

Assessment of Oral Health Delivery in Maine: An Analysis of Insurance Claims and Eligibility Data for Dental Services 2006--2010

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The Center for Health Workforce Studies is a not-for-profit research organization whose mission is to provide timely, accurate data and conduct policy-relevant research about the health workforce. The Center's work assists health, professional, and education organizations; policy makers and planners; and other stakeholders to understand issues related to the supply, demand, distribution, and use of health workers.

Preface

In recent years, oral health stakeholders in Maine, including provider organizations and policymakers have expressed concern about the oral health status of the state's population and the need to improve access to oral health services in certain geographic areas of the state. Identifying effective strategies to increase access to oral health services in Maine is complicated by the many factors that adversely affect access to care, including limited resources to pay for oral health services, lack of oral health infrastructure and workforce, and limited oral health literacy of patients. To date, Maine's strategies to increase access to care have included dental loan repayment programs, funding for a dental school in the state, and expansions in the scopes of practice for dental assistants and dental hygienists. Little is known, however, about the impact of these interventions on access to oral health services for Maine residents.

In 2011, the Maine Legislature passed Legislative Directive No. 1105 "Resolve, To Study Oral Health Care in Maine and Make Recommendations Regarding How to Address Maine's Oral Health Care Needs." The resolve called for a study of Maine's oral health care needs to include a review of public and private financial resources for oral health services, a description of limitations on oral health access in the state, a discussion of the sustainability of public financing for oral health programs, and an enumeration of the current oral health workforce in Maine. The legislature requested that this review be completed expeditiously and that it be financed through funding other than public resources. The Center for Health Workforce at the School of Public Health, University at Albany was selected to work with Medical Care Development in Augusta to answer the questions posed by the legislature about oral health in Maine.

The comprehensive study includes a contextual assessment of historical literature and data about Maine, a survey of oral health safety net providers in the state, and an analysis of historical insurance claims data to understand utilization of dental services in the state. This report is a technical summary of the analysis of medical and dental insurance claims and patient eligibility data from the years 2006, 2007, 2008, 2009, and 2010. This analysis and report were completed by Margaret Langelier and Simona Surdu of the Center for Health Workforce Studies. The authors can be contacted with any questions regarding its content at (518) 402-0250.

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Established in 1996, the Center for Health Workforce Studies is a not-for-profit research organization whose mission is to provide timely, accurate data and conduct policy-relevant research about the health workforce. The Center's work assists health, professional, and education organizations; policy makers and planners; and other stakeholders to understand issues related to the supply, demand, distribution, and use of health workers. Today the Center is a national leader in the field of health workforce studies. It supports and improves health workforce planning and access to quality health care through its collection, tracking, analysis,

interpretation, and dissemination of information about health professionals at the national, state, and local levels. Additional information about the Center can be found at <http://chws.albany.edu>.

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Executive Summary

In 2011, the Maine Legislature passed Legislative Directive #1105 requesting a study of oral health needs in Maine, a description of the oral health status of Maine's population, and an assessment of delivery of oral health services in the state. The Center for Health Workforce Studies (CHWS) at the School of Public Health, University at Albany was selected to work with Medical Care Development (MCD) of Augusta, Maine to answer the questions posed by the legislature.

The study was multifaceted including:

- a review of historical literature and oral health surveillance data about the oral health of Maine's population to understand past initiatives to improve oral health;
- interviews of a large number of oral health stakeholders to understand the context in which oral health care services are delivered in Maine;
- a review of oral health workforce initiatives across the United States to aid the legislature in understanding specific workforce models that might be useful to improve access to oral health care in Maine;
- analyses of five years (2006-2010) of medical and dental claims and eligibility data collected in the All Payer Claims Repository managed by the Maine Health Data Organization (MHDO) to understand eligibility for and utilization of oral health services; and
- a survey of dental safety net providers in the state to better understand their contributions to oral health care for Maine's people.

Maine's policymakers and stakeholders have had longstanding concerns about access to oral health services in the state. State leaders had the foresight to recognize the importance of data and information to better understand and evaluate access to and utilization of health and oral health services in the state. In 1996, MHDO was established by statutory mandate for the purpose of collecting clinical and financial health care information. In 2003, MHDO created the first All Payer Claims Repository in the U.S. and currently acts as the steward of those data. This central data repository is a valuable resource providing important information about patient utilization of health and dental services and was used for this report's extensive geographic, financial, and demographic analyses.

This report describes the analyses of claims and eligibility data. The analyses for this project were conducted pursuant to Legislative Directive 1105 to understand utilization of dental services by patients in different age groups, diverse geographic areas, and with different types of dental benefits in Maine. The findings are described and their implications discussed below.

Key Findings

Dental Insurance Status of the Population of Maine

While more Maine residents had dental insurance in 2010 than in 2006, a higher proportion of the state's population was covered by MaineCare insurance than in the past.

- In 2010, 70.1% of Maine's population had either public or private dental insurance coverage for some portion or all of the year. This was a 5.7% increase from 2006.
- In the five-year period, there was a decline in the proportion of people with dental insurance in Maine who were insured by preferred provider dental plans (PPO/POS) (-9.4%) and an increase in the proportion insured by MaineCare (7.8%).
- In every county in Maine, the percentage of the population that had dental insurance increased over the five-year period. In a few counties, the increases in the percent of the population with dental insurance were partly due to a decline in population numbers.
- There was wide variation by county in the percent of the population with dental insurance. In 2010, 78.0% of the population in Androscoggin County had dental insurance while just 61% of the residents of Lincoln County had dental insurance. However, a higher percentage of the insured population in Lincoln County had commercial dental insurance compared to the insured population in Androscoggin County.

The economic recession appeared to impact the dental insurance status of the population with a decline in the percent of the population with employer-sponsored dental insurance.

- In every county, there was a drop in the number of people with PPO/POS dental insurance between 2006 and 2010. There was also a decline in six counties in the number of people with indemnity dental insurance. Both PPO/POS and indemnity insurance plans were generally offered as a benefit to employees by their employers. Although these plans can be purchased by individuals, nationally only about 1% of dental plans were purchased by individuals.
- In places where there was a decline in the number of people with PPO/POS and/or indemnity dental insurance, there was a concomitant increase in the percent of the population covered by MaineCare insurance.
- There was a noticeable decline over the five-year period in the number of adults age 25 to 44 years with private dental insurance. This age group would generally obtain dental insurance through employers. The decline in dental insurance status for this age cohort began in 2008, which is recognized as the year in which the most recent economic recession began.
- Another effect of the economic downturn was the large increase in the number of people age 45 to 64 years eligible for MaineCare in all counties. This cohort would likely be employed with some access to employer-supported dental insurance. The increase in MaineCare eligibility may be a reflection of job losses or benefit losses resulting from a depressed economy.

The number of people with MaineCare insurance increased in all counties in all age cohorts from 2006-2010. The proportion of people with dental insurance who were insured by MaineCare also increased in every county.

- In 2010, 32.1% of the state's population qualified for MaineCare for a part of the year or for the full year.
- In all counties, the largest increases in MaineCare eligibility over the five-year period were in the age cohorts from birth to 3 years and in the two oldest groups of people (age 65 to 74 years and 75 years and older).
- The number of people age 12 to 18 years with any dental insurance declined by 5.1% between 2006 and 2010, and the number of people age 25 to 44 years with any dental insurance declined by 3.2% in the same period. These declines occurred despite increases in the number of people in both age groups who were insured by MaineCare suggesting that loss of private dental insurance coverage contributed to the change.
- In York County and Cumberland County, two of the most populous counties in Maine, the percent of adults age 45 to 64 years on MaineCare increased 75.3% and 60.7%, respectively, over the five-year period. The smallest increase in MaineCare eligibility for this age group was in Piscataquis County where there was a 35.7% increase between 2006 and 2010 in the number insured by MaineCare.

Utilization of Dental Services by People in Maine with Dental Insurance

More than 45% of people with dental insurance in Maine utilized dental services in each of the five years. There was observable variation in utilization of dental services by the type of dental insurance.

- On average, 65.8% of people with indemnity dental insurance received at least one dental service from 2006-2010. Conversely, on average, only 23.5% of people covered by MaineCare received at least one dental service during the five-year period. One possible reason for this is that adults on MaineCare have a limited dental benefit.
- Eighty percent of patients with dental insurance who received a dental service in any of the five years received a diagnostic service or a preventive dental service or both. About 30% of patients received a restorative service in each of the five years.
- MaineCare-insured children from birth to 3 years were more likely to receive a diagnostic or preventive dental service than commercially insured children in the same age cohort. They were also more likely to receive a restorative service than children in the comparable age cohort who were commercially insured.
- Children age 4 to 18 years on MaineCare were less likely than children of the same age with commercial insurance to receive a diagnostic or preventive dental service.
- MaineCare-insured children age 4 to 11 years represented between 45% and 54% of children in that age cohort who received a restorative dental service in each year.
- Adults age 25 to 44 years on MaineCare represented less than 1% of the population in that age group that received any preventive dental service.
- Between 5% and 7% of MaineCare-insured adults age 25 to 44 years received a restorative service in each year. The MaineCare dental benefit for adults is limited to dental care to relieve pain and infection.

The most frequently utilized dental specialty service was oral and maxillofacial surgery. In each of the five years, more than 10% of patients with dental insurance had an oral surgery service. People with MaineCare insurance used oral surgery services more often than their commercially insured counterparts.

- More than three-quarters of children age birth to 3 years and more than half of all children age 4 to 11 years who received an oral surgery service in the five-year period were insured by MaineCare.
- About 60% of adults age 19 to 24 years who received an oral surgery service in any of the five years were insured by MaineCare. The high proportion of MaineCare-insured people accessing these specialty dental services indicated a need for extensive reparative work or extractions.

Payment by Medical Insurance Carriers for Dental Diagnoses

Generally, commercial health and medical insurance plans do not cover dental care as part of their usual benefit package. However, there may be instances in which patients receive treatment for pain and infection due to dental disease that is covered by a health plan. Health maintenance organizations and Medicare Advantage plans may include some coverage for dental care.

There was noticeable variation in the age of patients who accessed a *medical* benefit to pay for treatment of a *dental* condition as well as the type of *medical* insurance that covered the cost of the services.

- Adults age 19 to 64 years were the most likely to receive treatment for a *dental* complaint in a hospital outpatient or emergency room setting that was reimbursed by *medical* insurance.
- Indemnity *medical* plans were the least likely of all health plans to pay claims for a *dental* diagnosis. In any of the five years, indemnity *medical* plans paid only 3% to 4% of all paid medical claims with a *dental* diagnosis.
- In each of the five years, PPO/POS health plans paid on average about one-third of all *medical* claims for treatment of a *dental* condition.
- In each of the five years, MaineCare paid between 40% and 50% of all *medical* claims for treatment of a *dental* condition.

Treatments for *dental* complaints that were covered by a *medical* insurance plan occurred in outpatient hospital settings, such as emergency rooms, more often than treatments for *dental* complaints that were covered by *dental* insurance.

- In each of the five years reviewed for this study, more than 43% of *dental* treatments paid by *medical* insurers occurred in hospital outpatient settings.
- The number of people treated in hospital emergency rooms for a primary or secondary dental complaint more than doubled from 2006 to 2010. (Note: These tabulations do not include treatment of the uninsured in hospital or outpatient settings).

- Over the five-year period, the proportion of *medical* claims for *dental* treatments provided in a dental office setting declined from 47% in 2006 to 40% in 2010.

Providers of Oral Health Services in Maine

Oral health services in Maine were mostly provided by general and specialty dentists, dental hygienists, and denturists. Medical professionals also provided some dental services to patients in Maine.

- More than 50% of licensed dentists in Maine treated at least one MaineCare-insured patient in all five years of dental claims data examined for this study, but many of these dentists did not treat large numbers of MaineCare-insured patients.
- Forty percent of oral health professionals (mainly dentists, but the tabulation includes a small number of dental hygienists and denturists) who treated any MaineCare patients in one year treated more than 100 people on MaineCare. However, more than 35% of oral health providers who treated any MaineCare-insured patients treated fewer than 50 patients in each year.
- The number of dental hygienists providing services to MaineCare patients declined by 26% between 2006 and 2010 with an accompanying 19% decline in volume of dental hygiene services provided to patients over the period. (Note: Only dental hygienists working under public health supervision status were permitted to directly bill MaineCare for services to patients during this period, so the contributions of independent practice dental hygienists were not included in these tabulations.)
- The number of medical providers billing dental insurance for a dental service increased substantially over the five years. In 2010, 56 medical providers billed dental insurance for a dental service to patients.

Settings in which Oral Health Services Were Provided

Treatments for *dental* complaints covered by *dental* insurance mainly occurred in dental office settings. About 45% of treatments for *dental* complaints covered by *medical* insurance occurred in hospital outpatient settings.

- Patients with both public and private *dental* insurance were mainly treated in dental offices and clinics such as federally qualified health centers (FQHCs) during the five-year period.
- Patients who accessed *medical* insurance to pay for treatment of a dental complaint were most often treated in hospital outpatient settings, such as emergency rooms. In every year, more than 45% of dental treatments paid by *medical* insurance occurred in a hospital outpatient or emergency room setting. Dentists were not generally available to provide care in hospital emergency room settings.
- Dental treatments in hospital outpatient settings were, on average, twice as expensive as dental treatments that occurred in office settings.

Payment for Dental Services by Dental and Medical Insurers and Patients

Expenditures for oral health services, including *medical* and *dental* insurance payments and patient co-pays, increased over the five-year period to more than \$290 million in 2010 in Maine.*

Dental Insurance Payments

- Expenditures for dental services by indemnity dental plans and PPO dental insurance plans were proportionately higher than MaineCare payments in each of the five years.
- One-third (33.4%) of Maine's population with dental insurance in 2010 were covered by an indemnity insurance plan. Payments by indemnity dental plans comprised almost half of all dental insurance payments in each year.
- In 2010, 19.8% of individuals with dental insurance were covered by a PPO/POS dental insurance plan. PPO/POS dental insurance payments comprised between 28% and 39% of total dental payments in each year.
- In 2010, 45.8% of people in Maine with dental insurance were insured by MaineCare. However, MaineCare expenditures for dental care represented only 15% to 20% of total dental plan expenditures each year. MaineCare-insured patients did not access dental services as often as commercially insured patients and MaineCare payments were, on average, less than commercial insurance payments for a dental service.
- Co-pay, co-insurance, and deductible responsibilities for patients with dental insurance totaled more than \$50 million dollars in each year.

Medical Insurance Payments

- In 2010, indemnity *medical* insurance carriers paid only a small fraction of *medical* insurance claims for *dental* complaints (less than 3% of medical insurance payments for dental treatment).
- MaineCare's share of *medical* expenditures for *dental* services in 2010 was 37.1%. PPO/POS *medical* insurance plans paid 47.5% of all *medical* insurance payments for treatment of *dental* complaints.
- Patient co-pay, co-insurance, and deductible responsibilities totaled between \$1.7 and \$2.7 million each year for patients who received treatment for a *dental* complaint that was paid by *medical* insurance.

(*Note: Patients also self-pay for dental services when they do not have dental insurance. Patient expenditures for dental services not covered by an insurance plan were not accounted for in expenditure tabulations in this report. Uncompensated care provided in hospital settings to patients with dental complaints is also not considered in this report.)

Mean payments by any dental insurer for preventive and diagnostic oral health services were less in each of the five years than mean payments for restorative dental services or for specialty dental services. MaineCare payments were, on average, lower than similar payments by commercial dental insurance companies in every year.

- Mean payments for diagnostic, preventive, restorative, and oral surgery services by MaineCare were lower than mean payments by other or commercial dental insurance

carriers for similar services in all years. Low MaineCare reimbursement rates were frequently cited as a reason for lack of participation by dentists in MaineCare.

- Not surprisingly, MaineCare disbursements for dental claims were highest for children in Maine since there is comprehensive coverage for dental services under the Early Periodic Screening, Diagnostic, and Treatment (EPSDT) dental benefit.
- On average, prosthetic and endodontic services were the most expensive dental services provided to patients in any of the five years, regardless of type of dental insurance coverage.

Adults between age 19 and 64 years were inordinately high users of a *medical* insurance benefit to pay for treatment of a *dental* complaint.

- The volume of services paid by MaineCare as *medical* payments for *dental* care was highest in all years for adults age 19 to 64 years who sought care for dental complaints in medical settings.
- The mean payment by any type of *medical* insurer for treatment of a *dental* complaint in hospital outpatient settings was twice the mean payment by medical insurers for care provided to patients in dental offices.

Commuting Distances

People with MaineCare insurance traveled almost twice as far, on average, to obtain dental services as people with private dental insurance in Maine.

- In the two-year period of 2009 and 2010, 595,223 unduplicated patients living in Maine with private dental insurance received at least one preventive or restorative dental service and traveled an average of 10.6 miles to obtain dental care.
- Over the same time period, 81,580 unduplicated patients living in Maine with MaineCare insurance received at least one preventive or restorative dental service and traveled an average of 21.3 miles to obtain dental care.
- Not surprisingly, people in rural areas traveled farther to obtain dental services than people who lived in more populous regions of the state. Overall, MaineCare-insured patients in rural areas traveled farther to obtain care than people who had commercial dental insurance in the same areas.

Discussion

Dental Insurance Coverage

Having dental insurance is predictive of utilization of oral health services with the type of dental benefits driving the behavior of the insured and the provider population. Utilization patterns in the data appear to reflect, at least in part, several underlying conditions that affect how, when, and where patients seek care. For instance, some dental insurance plans, particularly those offered by commercial insurance carriers, provide comprehensive coverage for preventive and basic restorative care but limit coverage for more extensive and expensive surgical, restorative, or cosmetic services. One way that insurance carriers discourage utilization of these more costly services is by requiring high patient co-insurance responsibility when a patient uses these benefits. Theoretically, this approach would encourage regular preventive care to avoid costlier and more complicated dental procedures.

Other dental plans may provide only a stated dollar amount for coverage of any dental services. This type of benefit may incentivize patients to access dental care during a coverage period only when there is a need for more expensive therapeutic or restorative services. Some plans, including MaineCare, provide coverage for only one preventive visit annually without any consideration for a patient's oral health status. Plans without flexible benefits may be detrimental to achieving desired outcomes such as control of caries processes if more frequent preventive services are not permitted. Caries is a disease process and some people are more prone than others to develop caries based on genetics, personal behavior, and other environmental risks.

More Maine residents have dental insurance than in the past but about 30% of the population does not have dental insurance currently. The uninsured are at risk for not receiving needed oral health services. The health care system is also at risk for increased volume of uncompensated care for treatment of emergent dental conditions when people lack dental benefits. Additionally, although a large percentage of the population in Maine has dental insurance, in some cases benefits are limited only to treatment for emergent dental conditions like pain and infection. This is especially true for adults on MaineCare.

The patterns of utilization of dental care in Maine reflect available dental benefits. Indemnity- and PPO/POS-insured adults were significantly more likely than MaineCare-insured adults to receive preventive services. People with indemnity dental plans in Maine were also more likely than all others in the state to receive at least one dental service in any of the five years examined for this study.

Utilization Patterns in Dental Insurance and Medical Insurance Data in Maine

The analyses of dental claims data support the supposition that the services covered by the dental benefit package influence the type of oral health services provided to patients. Many of the people in Maine who sought any dental service in each year were insured by indemnity or PPO/POS dental insurance plans, which are typically offered by employers as a benefit to employees and their families. The high percentage of people with these plans who regularly

received care was evidence that insurance is helpful in promoting utilization of oral health services, particularly preventive and diagnostic services.

Adults Receiving Dental Services

While about 30% of the state's population was covered by MaineCare for all or part of any one of the five years and over 45% of all people in Maine with dental insurance were covered by MaineCare, dental utilization patterns for this population reflected prevailing coverage limitations. The dental benefit for adults on MaineCare restricts coverage to treatment of pain and infection, which are generally symptomatic of progressed dental caries. Adults on MaineCare were only covered for restorative, therapeutic, or oral surgery services and for necessary diagnostic services.

The data revealed that adults on MaineCare did not receive preventive dental services (unless they paid out-of-pocket) and only received limited restorative care under the MaineCare dental benefit. MaineCare-insured adults between age 25 and 64 years were the most likely of all age cohorts to use a *medical* insurance benefit to seek services in a hospital outpatient or emergency room setting for treatment of a *dental* complaint. Treatment in outpatient settings under the medical insurance benefit was twice as expensive as treatment in dental offices. In addition, dentists may not be available in hospital settings and although medical personnel may be equipped to prescribe for dental infection they are not trained to perform therapeutic dental procedures. Not only is the care in hospital outpatient settings more expensive, it may be less efficacious. While some care in hospital outpatient settings might be provided by dentists, the necessity for hospital services would typically indicate the presence of extensive dental disease.

Treatment of dental caries in MaineCare-insured adults may result in tooth extraction more often than for the commercially insured. Endodontic treatments and final restoration services are expensive and not fully covered under MaineCare guidelines. A benefit that included some preventive or basic restorative oral health care for adults might encourage early intervention and foster better oral health outcomes. It might also shift some of the high cost of care in medical settings to less expensive community settings. Early intervention in the disease process would also reduce the need for extensive reparative procedures with a commensurate decrease in the cost of care.

Access to routine dental services for MaineCare-insured adults is compromised by both the limited dental benefit and also by the limited number of dentists in Maine who treat adult MaineCare patients. Historic workforce survey data, which were analyzed in the background report for this study, indicated that dentists in Maine were generally more willing to treat children on MaineCare than adults on MaineCare. Just over 50% of licensed dentists in Maine provided any dental service to a MaineCare patient between 2006 and 2010. However, not all participating dentists treated large numbers of MaineCare patients. In each year of data, more than 35% of dental providers (mainly dentists, but including some denturists and dental hygienists) who treated any MaineCare patients treated 50 or fewer patients.

Seeking *dental* care in *medical* settings is also indicative of a lack of patient understanding of the most appropriate settings in which to seek oral health care. It is important to continue to educate

the population about the efficacy of seeking treatment in suitable settings from appropriately trained providers. The likelihood of fully remediating a dental problem in settings other than a dental office or dental clinic is small unless the provider attending the patient in the hospital is a dental provider.

Oral Surgery Services in Maine

Children on MaineCare have a comprehensive dental benefit under the EPSDT benefit mandated by the federal government. The claims data revealed that young children from birth to 3 years on MaineCare were receiving preventive oral health services suggesting that early intervention and prevention programs were having an impact. While this was encouraging data, it was concerning that children in this age cohort were receiving both restorative and oral surgery services more often than their commercially insured peers.

MaineCare eligible children were disproportionately high users of oral surgery services. In 2010, MaineCare covered about 76% of all children from birth to 3 years who had dental insurance yet 87% of children in the age cohort who received any oral surgery service were MaineCare-insured children. Oral surgery for birth deformities of the mouth, jaw, palate, and face would likely occur in these early years but oral surgery related to a birth condition would be relatively rare. The need for oral surgery services at such a young age suggested extensive dental decay, which may also be predictive of poor oral health outcomes over the long term. This may indicate a need for education to improve the oral health literacy of parents and other caregivers about the importance of habitual oral hygiene behaviors including regular tooth brushing and good nutrition.

In every year of data examined for this study, MaineCare-insured patients age birth to 11 years and age 19 to 44 years received a higher volume of oral surgery services overall than commercially insured patients. Total MaineCare expenditures for oral surgery services were higher than expenditures by either indemnity dental insurers or PPO/POS dental plans for oral surgery services in each year even though MaineCare paid, on average, a lower mean reimbursement rate than commercial insurers (See Table 32, on page 72). It is not possible to determine the exact reasons why MaineCare-insured patients were more likely to receive an oral surgery service than their commercially insured peers. The data suggest, however, more progressed dental disease in the MaineCare population which required more specialized restorative or therapeutic intervention.

The Economic Recession and Dental Insurance

The study's data indicated that the economic recession had affected the dental insurance status of people in Maine. There were noticeable changes in the type of dental insurance coverage available to Maine residents over the five-year period. Beginning in 2008 and coinciding with the economic downturn, there was a decline in the number of adults age 25 to 44 years with dental insurance. Although there was some rebound in the number of insured people in this age group in 2009, there was another decline in the number insured in 2010. This is generally a group that would obtain employer-supported dental insurance.

There were also changes in the distribution of public and private dental insurance between 2006 and 2010 in many geographic areas in Maine. During the five years, there was a decrease in the percentage of the population with PPO/POS dental insurance in the state in all counties and a reduction in six counties in the number of people with indemnity dental insurance. In the remaining 10 counties, there was an increase in the percent of the population with indemnity dental insurance. At the same time, in all counties in Maine there was an increase in the percent of the county population with MaineCare insurance. From 2006 to 2010, there was a 9.4% decline in the proportion of the population with dental insurance covered by PPO/POS plans and a 7.8% increase in the proportion of the insured population enrolled in MaineCare.

It is not possible using available data to describe all the factors contributing to the changes in dental insurance coverage in Maine. Several possible explanations might contribute in some way to the observed changes.

- Since employers generally supply commercial dental insurance in the form of PPO/POS plans or indemnity plans, there may have been a shift in employer preference for indemnity plans over PPO/POS plans during the time period explaining the increase in indemnity coverage in some counties and the decrease in PPO/POS insurance in all counties.
- The economic recession, which began in 2008, may have had an impact on employers' abilities to offer dental insurance, which is a discretionary employee benefit. National literature suggests that employers may increase employee cost sharing provisions for insurance benefits during difficult economic times. As a result, employees may choose to no longer participate in an insurance plan.
- During the economic downturn, some employers dismissed workers or cut back hours. Unemployment increases the number of people in an area without health or dental insurance. It is likely that some of the growth in MaineCare over the five-year period was due to unemployment or underemployment of people who did not have access to dental insurance or could not pay the cost of participation in employer-sponsored insurance plans.

Providers

In general, people with dental insurance in Maine received dental care from dentists, dental hygienists, and denturists who were licensed oral health professionals. As expected, most of the dental insurance claims in the data files listed dentists as the providers of dental services. Claims submitted by dentists would also include oral health services provided by dental hygienists and dental assistants working under their supervision. More than 50% of licensed dentists in Maine provided services to at least one MaineCare-insured patient in each year but many of these dentists did not treat large numbers of MaineCare-eligible people.

While more than 40% of MaineCare participating providers (such as dentists, dental hygienists, and denturists) treated more than 100 people on MaineCare each year, more than 35% of participating providers treated fewer than 50 patients in each of the five years reviewed for the study.

There were only a small number of dental hygienist providers in the annual databases. Dental hygienists working under public health supervision status were permitted to bill MaineCare during the five-year period. Independent practice dental hygienists were permitted by some commercial insurance carriers to bill for services, but MaineCare did not permit them to bill for services to MaineCare patients during this period.

In the dental and medical insurance files examined for these analyses, a wide range of medical professionals were listed as providers of services to patients with either a primary or secondary diagnosis on the medical claim for a dental complaint. There was a much larger number of medical providers in the medical claims data than in the dental claims data. These medical professionals included primary care physicians, emergency room doctors, and specialty physicians whose specialty was inconsistent with providing dental care.

Some medical providers offered dental screenings and assessments and fluoride varnish treatment, especially to children. The number of medical providers in the dental claims files servicing patients in Maine increased to 56 in 2010.

Settings

In general, people in Maine with dental insurance sought oral health services in dental offices and clinics where oral health professionals were commonly found. The vast majority of dental services were provided in private dental practices. This was true regardless of the type of dental insurance coverage of patients.

The number of people seeking care in clinics increased between 2006 and 2010, although more people were treated in clinics in 2008 and 2009 than in 2010. The reason for the decline in numbers of patients treated or services provided in clinics between 2008 and 2010 was not apparent. Some informants who participated in the interviews for this project indicated that it continues to be difficult to recruit dentists to work in underserved areas. Dental vacancies in clinics affect the ability of the clinic to offer dental services to patients. Still more than 13,000 patients received a dental service in a FQHC in Maine in 2010, indicating that clinics continued to provide an important access point to oral health services for patients in Maine.

As previously discussed, treatment for dental complaints also occurred in medical settings, such as hospital outpatient facilities and emergency rooms. Dentists were typically not found in these settings.

Commuting Distances

The comprehensive data set permitted geographic analysis to understand how far, on average, patients commuted from their homes to obtain dental services and to cluster patients in common geographic areas to determine the general geographic boundaries within which patients in an area commuted to receive dental care.

As expected, people in the more populated metropolitan areas in southern Maine commuted shorter distances, on average, than people in the more sparsely populated areas of northern,

eastern, and western Maine. The rational dental service areas (RDSAs) (see explanation on page 77) for obtaining oral health services in northern Maine encompassed much larger areas than those in southern Maine. The rural character of northern Maine poses a significant challenge since increasing access to oral health care is most difficult in areas where there is not a sufficient population base to economically sustain an established dental practice. Safety net provider organizations, such as clinics, are essential to serve the dispersed populations living in rural areas.

RDSAs, which cluster patients in areas where they usually seek oral health services, were developed by analyzing utilization data for all patients in Maine with dental insurance, and then using only utilization data for MaineCare eligible patients. The overall RDSAs changed somewhat when using only MaineCare data, revealing different commuting patterns for MaineCare-insured patients than for their commercially insured counterparts.

Commuting distances were also analyzed based on the township of patients' residences and the townships of the dental practices or clinics where patients received dental services. People with MaineCare insurance traveled almost twice as far to obtain dental services than people with private dental insurance in Maine. In 2009 and 2010, 595,223 unduplicated people living in Maine with private dental insurance received at least one preventive or restorative dental service and traveled an average of 10.6 miles to obtain that care. By contrast, 81,580 unduplicated people with MaineCare insurance received at least one preventive or restorative dental service during the same time period and traveled an average of 21.3 miles to obtain dental care.

A number of factors might explain the lengthier commutes for MaineCare-insured people. There are higher proportions of MaineCare eligible people in rural counties. Not all dental providers in Maine participate in MaineCare requiring MaineCare-insured patients to travel greater distances to access care. Also, there are a small number of safety net providers relative to the large geographic areas in Maine so patients seeing dental providers at FQHCs or other community dental clinics may travel farther than people obtaining services from local dental offices.

Summary

Maine is experiencing many of the same challenges encountered by other states in their efforts to increase the availability of oral health services. The highly rural geography of Maine and the weak economy in the state complicate efforts to improve the oral health status of the population. Dental services are usually provided in private practices that are not generally well integrated into the larger health care system. In addition, dental insurance is not as common in the population as health insurance. This is an economic deterrent to increasing access to oral health care that is not easily remedied.

Dental services in Maine are primarily found in the more populous regions of the state. The weak economy hinders public and private efforts to expand availability of oral health care to high need populations due to limited public resources to support the costs of care. The oral health safety net in the state is limited by available resources from offering low cost services to more of those in need of dental services. These issues must be considered when developing strategies to improve oral health outcomes in an environment with restricted professional and financial assets.

Some opportunities identified in this data analysis are notable. Oral health literacy is an important factor in shaping patient behavior and efforts to increase the knowledge of all people in Maine, young and old, about the importance of good oral health would foster more appropriate care-seeking behavior and produce more positive oral health outcomes. School-based oral health programs, which emphasize education and prevention, are essential in building the foundation for future improvement in the oral health status of the population. Early intervention programs focused on oral health in Head Start and Early Head Start programs would empower young families. Public service announcements and public education campaigns are also effective methods for reaching the general public with important messages about oral health.

Public policy changes may also be a tool to encourage people to seek care in more appropriate settings and on a timelier basis. Funding routine oral health care for both children and adults would likely reduce the cost of treating urgent or emergent dental problems in medical settings. On average, more than \$20 million is spent annually by *medical* insurers for treatment of *dental* complaints, a portion of which is provided in medical settings by other than dental professionals. Much of this care would be more appropriately and effectively supplied by dental providers in properly equipped community settings. The cost of treating the uninsured in emergency rooms and hospital outpatient settings is not included in these figures. It is likely that the uninsured population would use an emergency room as the only apparent resource for treatment. The impact of the cost of uncompensated care for hospitals is a significant concern and one that must be considered when evaluating strategies to increase access to oral health services for low income adults.

Changing public policy to better align policy directives with desired health outcomes could improve the oral health of the state's population. Several examples of how policy can influence the system that delivers care and the patients that access services are listed below.

- To provide oral health education and improve the oral health literacy of the population, all opportunities to inform the public should be embraced. Education about the importance of oral health might happen in schools, medical offices, dental settings, social service programs, public service announcements, and through direct mail campaigns.
- To transition oral health care from outpatient medical settings to less expensive community dental settings, reimbursement policies and dental benefits should permit people access to regular preventive dental care and established dental homes so that as emergent issues arise, a patient has a customary provider.
- To encourage greater participation by dentists with public insurance programs, reimbursement rates should cover the reasonable costs of providing dental services.
- To improve oral health outcomes, public policy should foster prevention and encourage tooth restoration rather than extraction.
- To better integrate dental and medical care, efforts should be directed to building referral networks between medical and dental providers.
- To effectively use the competencies of all oral health professionals to address the need for improved access to services, team-based approaches to providing care that encourages full utilization of each profession's capabilities should be adopted.

These analyses combined with the other project reports should provide government policymakers and other stakeholders in Maine with important data to design future initiatives that support improvement in oral health outcomes for people in Maine.

Methodology

The data for this study were compiled by MHDO from their All Payer Claims Repository and provided to CHWS as secure, password protected files. The data were provided in annual compilations for the years 2006, 2007, 2008, 2009, and 2010. The files shared with CHWS included restricted medical eligibility files, dental eligibility files, dental claims files, and medical claims with dental diagnoses for all five years included in the study. The data were supplied in text format and were downloaded to SAS (Statistical Analysis System), the program in which the extensive analyses were completed.

The annual databases were extremely large and required extensive cleaning prior to data analyses. New variables were created to better manage the large volume of data available within the files.

This report provides selective tabulations which are presented to respond to the questions posed for this project. The analyses were conducted to describe public and private financial resources for oral health services, reveal limitations on access to oral health services for citizens of Maine, and identify gaps in oral health services.

The various analyses within this document are reported based on two criteria. The first is unduplicated patients. In all years, data about utilization is reported for unduplicated patients who received at least one oral health service. In some analyses, such as use of services, there is overlap in the count of unduplicated patients who accessed services. For example, a patient who had a diagnostic service would likely also have received a preventive or restorative service so that patient is counted under each of the relevant categories. However, in summary data, each patient is counted only once regardless of the number of oral health services they utilized.

The second criterion is claim lines. Some of the analyses within the report, particularly payment data, are presented using the number of claim lines as a proxy for services provided. It was reasoned that each line in an insurance claim represented a unique service so information about number of services and payment is based on that metric.

Limitations

Several limitations were associated with using administrative claims data to accomplish data analyses for a purpose other than that for which the data were originally collected, namely to enable payment to providers for services to patients. The following describes some of the limitations of the data analyses.

Patient eligibility files for a time period did not always exactly match with claims files for the same time period due to unexplained anomalies within the files. Quarterly eligibility files were

aggregated for each year, but this still did not resolve the problem. Despite repeated efforts to match claims and eligibility files on alternative variables other than patient identifiers, there remained a small percentage of files that did not match on any variable. In some cases, there were dental or medical claims that did not have a matching patient eligibility file. However, the fact that the claim was paid suggested that the patient was in fact eligible for the service. Ultimately, the numbers of unmatched files were relatively small in all years and did not materially affect the larger analyses. However, in some of the detailed analysis of utilization of dental services by county, there appeared to be more patients who received a dental service than were insurance-eligible for that year. As a result, in those instances, the percentage of insured patients who received a service is reported as greater than 100%. The discrepancies appear in red in the tables that were affected.

The analysis of the providers of dental services in Maine was restricted by a number of factors. The data sets provided to CHWS did not include any personal identifying information to permit CHWS to sort files by name of provider. The data files contained two provider identifier variables, one of which was designed as a unique provider identification number across all insurance payers. However, it was apparent from the number of unique provider identifiers in each of the annual data sets that there were more unique provider identifiers than unique dental workforce in Maine. Research staff surmised that billing entities and group practices would each have unique provider numbers that differed from the identifiers for the individual dentists within the practices and that practices with multiple locations might have different identifiers based on location. It was, therefore, impossible without personal identifying information to discern the actual provider of the dental service across all payers, especially in the data from private insurance companies.

As an example, in 2010, there were 4,528 unique general dentist provider identification numbers in the file from all states in the U.S. and 1,187 of these general dentists listed a practice zip code in Maine. Since the licensure file for 2009 indicated that there were only 671 licensed dentists (including specialty dentists) practicing in or out of state, it was obvious that there were more unique provider numbers for general dentists than licensed general dentists. This discrepancy could not be explained without further identifying information. Due to the limited time frame for the project and in consideration of privacy limitations for the dental providers, it was not possible to extensively analyze the provider data for commercial insurance claims. As a result, finite analysis of dental providers by patient insurance characteristics was not possible.

However, an analysis of MaineCare claims by provider was accomplished. Tabulations of the number of unique providers serving MaineCare patients in each year seemed reasonable in light of historic literature about dentists' participation with MaineCare and about dental hygienists working under public health supervision status who would be billing for their services. MaineCare claims would have consistent provider identifiers as they are filed under guidelines established by the government. Since MaineCare is a single payer, the identifiers in the files were likely consistent across years. This report, therefore, does present limited information about providers servicing MaineCare-insured patients.

Another area in which there were discrepant identifiers was in the variable identifying the specialty of the provider. While the data dictionary provided standard codes to be used by

payers, different insurers assigned different specialty codes to the same provider. One payer might list the dentist as a general dentist, while another payer might list the dentist as an orthodontist. In addition, in a number of cases, there was a specialty code that was a system generated assignment. Research staff assigned a single specialty to each provider using a decision tree to determine the dominance of a specialty in each provider file. For instance, a general dentist who provided 100 services and was listed as a general dentist 80 times but with another specialty 20 times was determined to be a general dentist.

A further limitation was the absence of complete geographic identifiers within the files. While almost all files contained either a town or zip code of patient residence, there were many files that did not contain both. Zip codes were an essential identifier to permit mapping and averaging of patient commuting patterns. Designating a zip code was challenging because towns of residence were spelled in multiple ways by the different payers submitting information to the data repository. Extensive recoding was required to standardize the files for the geographic analyses and to assure that selected zip codes were correct. Ultimately, zip codes were assigned to help describe commuting distances to obtain oral health services.

The data files contain a large volume of data that offered many opportunities for analysis. Due to the financial and time limitations of the project, CHWS staff was required to be discriminating about the information presented in this report. Selection of tabulations, graphs, and figures was guided by the questions posed by funders in the request for proposals for this project.

The Technical Report

The technical report is organized in chapters.

- The first chapter discusses dental insurance eligibility and counts the number of people with dental insurance in Maine in each year.
- The second chapter discusses utilization of oral health services in Maine and describes utilization patterns among people with dental insurance.
- The third chapter discusses medical claims payments for treatment of conditions with a dental diagnosis. People without dental insurance may access their medical insurance for treatment of dental pain and infection when that coverage is available.
- The fourth chapter discusses providers of dental services.
- The fifth chapter discusses the facilities in which oral health services are provided.
- The sixth chapter discusses payment for dental services.
- The seventh and final chapter presents information about patients' commuting patterns to obtain dental services in Maine.

This report has two appendices. The first appendix provides county-specific tabulations about insurance eligibility and utilization of oral health services by the people living in each county. The second appendix describes the data files used for the analyses and the cleaning that was necessary to prepare the data for analysis.

Technical Report

Chapter 1.

Dental Insurance Status of Maine's Population

The percentage of the population in Maine with dental insurance has increased from 64.4% of the total state population in 2006 to 70.1% in 2010. Over the five years for which data were examined, the number of children age 12 to 18 years with dental insurance decreased while the number of people age 65 years and older with dental insurance increased. These changes may be a function of demographic shifts within the state's population with fewer births and an aging cohort of people born during the baby boom. One concerning cohort, however, was adults age 25 to 44 years. Over the five-year period, there was a decline in the number insured as well as the cohort's share of the overall percentage of the state's population with dental insurance. This is generally a group that would obtain dental insurance through employers. The decline in dental insurance status for this age cohort began in 2008, coinciding with the recent economic recession. During this time, employers may have altered employee benefit packages. In addition, there was a rise in unemployment during the period which likely affected the number of people with dental insurance. Although there was some rebound in 2009 in the number of people age 25 to 44 years with dental insurance, the number declined again in 2010.

Table 1. Number of People in Maine with Dental Insurance, by Age, 2006-2010

Age of People With Dental Insurance in Maine	2006		2007		2008		2009		2010	
	Number	% of Total Insured	Number	% of Total Insured	Number	% of Total Insured	Number	% of Total Insured	Number	% of Total Insured
0-3 years	37,226	4.4%	46,384	5.2%	47,371	5.4%	50,759	5.6%	54,922	5.9%
4-11 years	101,590	11.9%	105,119	11.8%	102,561	11.8%	103,486	11.3%	103,832	11.2%
12-18 years	103,605	12.2%	104,861	11.8%	100,081	11.5%	100,118	11.0%	98,369	10.6%
19-24 years	73,589	8.6%	76,209	8.6%	71,883	8.2%	73,599	8.1%	76,382	8.2%
25-44 years	250,050	29.4%	250,229	28.1%	236,425	27.1%	244,294	26.7%	241,950	26.0%
45-64 years	223,386	26.2%	231,752	26.0%	230,238	26.4%	243,565	26.7%	253,591	27.2%
65-74 years	30,730	3.6%	36,271	4.1%	41,115	4.7%	50,386	5.5%	53,440	5.7%
75 years and older	30,920	3.6%	39,224	4.4%	42,842	4.9%	47,446	5.2%	48,477	5.2%
Total Population of Maine with Dental Insurance	851,096		890,049		872,516		913,653		930,963	
Total Population of Maine	1,321,574		1,317,207		1,316,456		1,318,301		1,328,361	
Percent of Maine's Population with Dental Insurance	64.4%		67.6%		66.3%		69.3%		70.1%	

Source: MHDO, CHWS, 2012

The percent of people with dental insurance increased in every county in Maine from 2006 to 2010. While there was growth in the absolute number of people with dental insurance in every county, a few counties (e.g., Aroostook, Knox, and York) saw an accompanying decrease in total population over the five-year period that contributed to the increase in rates of the county population with dental insurance. The percent of people with dental insurance varied by county from a low of 60.9% in Lincoln County to a high of 78.2% in Androscoggin County in 2010.

Table 2. Number and Percent of Maine Residents with Dental Insurance, by County of Residence, 2006-2010

County in Maine	2006			2007			2008			2009			2010		
	No. of Residents with Dental Insurance	Total Residents	% of Residents With Dental Insurance	No. of Residents with Dental Insurance	Total Residents	% of Residents With Dental Insurance	No. of Residents with Dental Insurance	Total Residents	% of Residents With Dental Insurance	No. of Residents with Dental Insurance	Total Residents	% of Residents With Dental Insurance	No. of Residents with Dental Insurance	Total Residents	% of Residents With Dental Insurance
Androscoggin	74,358	107,552	69.1%	78,541	106,815	73.5%	76,704	106,877	71.8%	81,131	106,539	76.2%	84,238	107,704	78.2%
Aroostook	38,609	73,008	52.9%	41,269	72,047	57.3%	41,748	71,676	58.2%	43,861	71,488	61.4%	45,776	71,870	63.7%
Cumberland	188,996	274,598	68.8%	199,521	275,374	72.5%	193,687	276,047	70.2%	202,410	278,559	72.7%	205,613	281,676	73.0%
Franklin	17,856	30,017	59.5%	19,059	29,927	63.7%	17,855	29,857	59.8%	19,006	29,735	63.9%	19,333	30,768	62.8%
Hancock	30,128	53,797	56.0%	31,179	53,278	58.5%	30,076	53,137	56.6%	31,904	53,447	59.7%	33,125	54,420	60.9%
Kennebec	83,081	121,068	68.6%	87,601	120,839	72.5%	85,844	120,959	71.0%	89,268	121,090	73.7%	90,404	122,151	74.0%
Knox	23,190	41,096	56.4%	23,650	40,781	58.0%	23,205	40,686	57.0%	23,648	40,801	58.0%	24,623	39,736	62.0%
Lincoln	19,085	35,234	54.2%	20,094	34,800	57.7%	19,926	34,628	57.5%	20,549	34,576	59.4%	20,985	34,457	60.9%
Oxford	36,538	57,118	64.0%	39,525	56,734	69.7%	39,070	56,741	68.9%	41,002	56,244	72.9%	42,340	57,831	73.2%
Penobscot	94,259	147,180	64.0%	97,681	148,784	65.7%	96,772	148,651	65.1%	100,842	149,419	67.5%	102,932	153,921	66.9%
Piscataquis	14,337	17,585	81.5%	15,273	17,180	88.9%	14,437	16,961	85.1%	14,891	16,795	88.7%	15,344	17,535	87.5%
Sagadahoc	19,640	36,837	53.3%	20,659	36,387	56.8%	21,103	36,332	58.1%	22,151	36,391	60.9%	21,659	35,293	61.4%
Somerset	31,897	52,249	61.0%	34,971	51,658	67.7%	33,849	51,377	65.9%	35,459	50,947	69.6%	36,637	52,226	70.2%
Waldo	25,809	38,715	66.7%	24,579	38,511	63.8%	24,160	38,342	63.0%	24,228	38,287	63.3%	25,275	38,786	65.2%
Washington	21,045	33,288	63.2%	22,145	32,751	67.6%	20,752	32,499	63.9%	21,958	32,107	68.4%	22,662	32,856	69.0%
York	132,268	202,232	65.4%	134,302	201,341	66.7%	133,328	201,686	66.1%	141,345	201,876	70.0%	140,017	197,131	71.0%
Total in Maine	851,096	1,321,574	64.4%	890,049	1,317,207	67.6%	872,516	1,316,456	66.3%	913,653	1,318,301	69.3%	930,963	1,328,361	70.1%

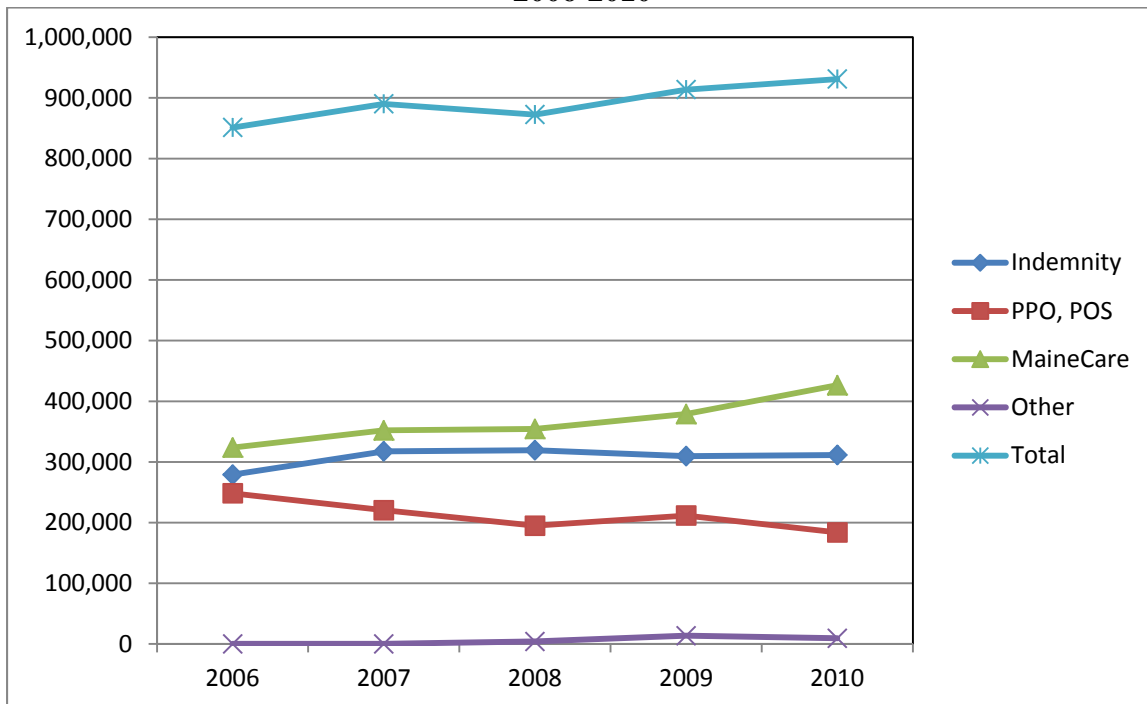
Source: MHDO, CHWS, 2012

Several types of dental insurance are generally offered by employers as an employee benefit and require various levels of employee participation in the cost of care, including indemnity insurance and PPO/POS. Some plans provide comprehensive low cost coverage, while others offer a limited benefit with high co-insurance or co-payment responsibilities. Some employer plans provide a benefit limited to a stated annual amount of coverage (e.g., \$1,500). Another type of dental insurance is coverage provided through state Medicaid programs. While Maine provides comprehensive dental insurance coverage to Medicaid-eligible children in the state under the EPSDT benefit, adults with MaineCare have only limited dental coverage to care for acute or emergent dental conditions, such as pain and infection.

“Other” insurance carriers provide coverage for dental services including some health maintenance organizations (HMOs). Medicare Part C plans, also known as Medicare Advantage Plans, which are often managed by HMOs, may provide a dental benefit. These plans were only recently available in Maine so their impact on utilization of dental services is not yet clear.

There was an increase in the number of people insured by indemnity dental insurance plans and MaineCare between 2006 and 2010. During the same five-year period, there was a decrease in the number of people insured by PPO/POS.

Figure 1. Number of People in Maine with Dental Insurance, by Type of Insurance Plan, 2006-2010



Source: MHDO, CHWS, 2012

People in the youngest (birth to 11 years) and oldest (age 65 and older) age cohorts were more likely to be insured by MaineCare than people age 12 to 64 years.

Table 3. Type of Dental Insurance, by Age Cohort, Maine, 2006-2010

Age Cohort	Indemnity	% of All Insured In Age Group	PPO/POS	% of All Insured In Age Group	MaineCare	% of All Insured In Age Group	HMO/Medicare/Risk	% of All Insured In Age Group	Total	Total
2006										
0-3 years	4,537	12.2%	7,264	19.5%	25,425	68.3%	0	0.0%	37,226	100.0%
4-11 years	25,115	24.7%	24,669	24.3%	51,806	51.0%	0	0.0%	101,590	100.0%
12-18 years	30,613	29.5%	27,099	26.2%	45,893	44.3%	0	0.0%	103,605	100.0%
19-24 years	23,229	31.6%	20,628	28.0%	29,732	40.4%	0	0.0%	73,589	100.0%
25-44 years	91,745	36.7%	78,404	31.4%	79,901	32.0%	0	0.0%	250,050	100.0%
45-64 years	94,464	42.3%	77,883	34.9%	51,038	22.8%	1	0.0%	223,386	100.0%
65-74 years	6,928	22.5%	7,681	25.0%	16,121	52.5%	0	0.0%	30,730	100.0%
75 years or older	2,444	7.9%	4,649	15.0%	23,826	77.1%	1	0.0%	30,920	100.0%
Totals	279,075		248,277		323,742		2		851,096	
2007										
0-3 years	8,078	17.4%	6,195	13.4%	32,111	69.2%	0	0.0%	46,384	100.0%
4-11 years	31,591	30.1%	21,355	20.3%	52,172	49.6%	0	0.0%	105,118	100.0%
12-18 years	35,803	34.1%	23,646	22.5%	45,412	43.3%	0	0.0%	104,861	100.0%
19-24 years	25,947	34.0%	19,763	25.9%	30,499	40.0%	0	0.0%	76,209	100.0%
25-44 years	98,849	39.5%	69,919	27.9%	81,453	32.6%	8	0.0%	250,229	100.0%
45-64 years	106,352	45.9%	69,945	30.2%	55,444	23.9%	10	0.0%	231,751	100.0%
65-74 years	8,053	22.2%	6,290	17.3%	21,895	60.4%	33	0.1%	36,271	100.0%
75 years or older	2,733	7.0%	3,342	8.5%	33,112	84.4%	37	0.1%	39,224	100.0%
Totals	317,406		220,455		352,098		88		890,047	
2008										
0-3 years	8,654	18.3%	6,176	13.0%	32,522	68.7%	13	0.0%	47,365	100.0%
4-11 years	30,852	30.1%	18,772	18.3%	52,845	51.5%	61	0.1%	102,530	100.0%
12-18 years	34,898	34.9%	20,111	20.1%	44,895	44.9%	100	0.1%	100,004	100.0%
19-24 years	25,742	35.8%	16,587	23.1%	29,425	41.0%	91	0.1%	71,845	100.0%
25-44 years	97,013	41.1%	59,245	25.1%	79,889	33.8%	175	0.1%	236,322	100.0%
45-64 years	109,876	47.8%	62,005	27.0%	56,841	24.7%	1,179	0.5%	229,901	100.0%
65-74 years	9,251	22.5%	7,550	18.4%	23,523	57.2%	785	1.9%	41,109	100.0%
75 years or older	2,919	6.8%	4,540	10.6%	34,334	80.1%	1,049	2.4%	42,842	100.0%
Totals	319,205		194,986		354,274		3,453		871,918	
2009										
0-3 years	8,048	15.9%	6,588	13.0%	36,085	71.1%	34	0.1%	50,755	100.0%
4-11 years	29,098	28.1%	19,874	19.2%	54,369	52.5%	122	0.1%	103,463	100.0%
12-18 years	33,003	33.0%	21,576	21.6%	45,285	45.3%	193	0.2%	100,057	100.0%
19-24 years	25,013	34.0%	17,613	23.9%	30,730	41.8%	200	0.3%	73,556	100.0%
25-44 years	90,597	37.1%	63,130	25.9%	90,040	36.9%	444	0.2%	244,211	100.0%
45-64 years	110,160	45.3%	68,156	28.0%	61,785	25.4%	3,129	1.3%	243,230	100.0%
65-74 years	10,377	20.6%	9,931	19.7%	25,220	50.1%	4,853	9.6%	50,381	100.0%
75 years or older	3,150	6.6%	4,770	10.1%	35,511	74.8%	4,015	8.5%	47,446	100.0%
Totals	309,446		211,638		379,025		12,990		913,099	
2010										
0-3 years	7,910	14.4%	5,369	9.8%	41,622	75.8%	21	0.0%	54,922	100.0%
4-11 years	29,045	28.0%	17,116	16.5%	57,606	55.5%	65	0.1%	103,832	100.0%
12-18 years	32,440	33.0%	18,116	18.4%	47,717	48.5%	96	0.1%	98,369	100.0%
19-24 years	25,311	33.1%	15,257	20.0%	35,715	46.8%	99	0.1%	76,382	100.0%
25-44 years	88,918	36.8%	53,000	21.9%	99,766	41.2%	266	0.1%	241,950	100.0%
45-64 years	112,612	44.4%	60,637	23.9%	78,470	30.9%	1,872	0.7%	253,591	100.0%
65-74 years	11,674	21.8%	9,814	18.4%	28,227	52.8%	3,725	7.0%	53,440	100.0%
75 years or older	3,419	7.1%	4,576	9.4%	37,357	77.1%	3,125	6.4%	48,477	100.0%
Totals	311,329		183,885		426,480		9,269		930,963	

Source: MHDO, CHWS, 2012. Note: Totals presented here may vary from totals in other charts in this report due to missing information in one or more variables used in the cross-tabulations.

There was a 9.4% decline in the proportion of the population with dental insurance that was a PPO/POS dental plan during the five-year period and a 7.8% increase in the proportion of the insured population covered by MaineCare.

Table 4. The Proportion of People in Maine with Dental Insurance, by Type of Dental Insurance, by Year, 2006-2010

Year	Indemnity	PPO	MaineCare	Other	Total
2006	32.8%	29.2%	38.0%	0.0%	100.0%
2007	35.7%	24.8%	39.6%	0.0%	100.0%
2008	36.6%	22.4%	40.6%	0.4%	100.0%
2009	33.9%	23.2%	41.5%	1.4%	100.0%
2010	33.4%	19.8%	45.8%	1.0%	100.0%
Net Change 2006 to 2010	0.7%	-9.4%	7.8%	1.0%	

Source: MHDO, CHWS, 2012

The following tables show the percentage of the population with dental insurance in each county by type of insurance from 2006-2010. There was wide variation in the kinds of dental insurance carried by county residents.

In 2010, 72.5% of people with dental insurance in Washington County and 69.1% of people with dental insurance in York County were insured by MaineCare. In Cumberland County, just 32.6% of the county population with dental insurance was insured by MaineCare, despite the fact that Cumberland County, the most populous county in Maine, had the highest number of people from any county who were eligible for MaineCare. There was a 14% increase over the five-year period in the percent of the population in Waldo County with MaineCare with a concomitant drop (17.2%) in the percent of the population in that county with PPO dental insurance.

In some counties including Aroostook, Washington, Piscataquis, Somerset, Waldo, and Washington, high percentages of people with dental insurance were insured by MaineCare with fewer people having indemnity or PPO insurance. Dentists working in these counties and participating with the MaineCare program likely have a higher percentage of MaineCare-insured patients in their caseloads. The lower reimbursement rates for services to MaineCare patients and the high numbers of MaineCare patients on dental caseloads would likely have some economic impact on those practices.

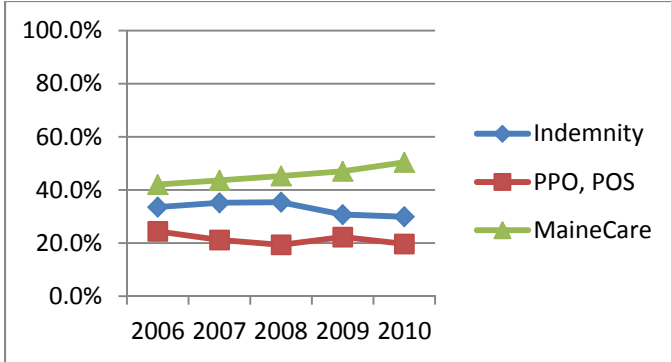
Table 5. Number and Percent of Insured Patients by Type of Dental Plan, by County in Maine, 2006-2010

County	Type of Insurance	2006		2007		2008		2009		2010	
		# of Insured	% of Insured	# of Insured	% of Insured	# of Insured	% of Insured	# of Insured	% of Insured	# of Insured	% of Insured
Androscoggin	Indemnity	24,938	33.5%	27,616	35.2%	26,959	35.4%	24,275	30.7%	24,678	29.9%
	PPO, POS	18,154	24.4%	16,650	21.2%	14,754	19.4%	17,617	22.3%	16,240	19.7%
	MaineCare	31,266	42.0%	34,267	43.6%	34,473	45.2%	37,180	47.0%	41,596	50.4%
	Total	74,358	100.0%	78,533	100.0%	76,186	100.0%	79,072	100.0%	82,514	100.0%
Aroostook	Indemnity	6,795	17.6%	8,117	19.7%	8,057	19.4%	8,406	19.4%	8,031	17.7%
	PPO, POS	6,500	16.8%	6,254	15.2%	6,496	15.6%	6,631	15.3%	6,016	13.2%
	MaineCare	25,314	65.6%	26,896	65.2%	27,006	65.0%	28,279	65.3%	31,368	69.1%
	Total	38,609	100.0%	41,267	100.0%	41,559	100.0%	43,316	100.0%	45,415	100.0%
Cumberland	Indemnity	71,344	37.7%	83,258	41.9%	85,456	44.3%	83,021	41.6%	83,965	41.3%
	PPO, POS	69,312	36.7%	63,117	31.8%	54,641	28.3%	59,039	29.6%	53,132	26.1%
	MaineCare	48,349	25.6%	52,132	26.3%	53,000	27.4%	57,726	28.9%	66,391	32.6%
	Total	188,995	100.0%	198,507	100.0%	193,097	100.0%	199,786	100.0%	203,488	100.0%
Franklin	Indemnity	6,780	38.0%	7,366	38.6%	6,113	34.3%	6,048	32.1%	5,608	29.2%
	PPO, POS	2,698	15.1%	2,507	13.2%	2,331	13.1%	2,803	14.9%	2,580	13.4%
	MaineCare	8,378	46.9%	9,186	48.2%	9,354	52.6%	10,014	53.1%	11,019	57.4%
	Total	17,856	100.0%	19,059	100.0%	17,798	100.0%	18,865	100.0%	19,207	100.0%
Hancock	Indemnity	9,354	31.0%	10,207	32.7%	9,657	32.2%	9,821	31.2%	9,469	28.8%
	PPO, POS	8,868	29.4%	7,960	25.5%	6,884	23.0%	7,426	23.6%	6,948	21.1%
	MaineCare	11,905	39.5%	13,004	41.7%	13,419	44.8%	14,242	45.2%	16,446	50.0%
	Total	30,127	100.0%	31,171	100.0%	29,960	100.0%	31,489	100.0%	32,863	100.0%
Kennebec	Indemnity	32,817	39.5%	35,832	40.9%	35,776	41.9%	34,735	39.4%	34,734	38.6%
	PPO, POS	18,299	22.0%	17,007	19.4%	14,900	17.4%	16,284	18.5%	14,246	15.9%
	MaineCare	31,965	38.5%	34,746	39.7%	34,769	40.7%	37,121	42.1%	40,891	45.5%
	Total	83,081	100.0%	87,585	100.0%	85,445	100.0%	88,140	100.0%	89,871	100.0%
Knox	Indemnity	6,850	29.5%	7,781	32.9%	8,239	35.6%	8,265	35.2%	8,251	33.7%
	PPO, POS	6,455	27.8%	4,987	21.1%	4,089	17.7%	3,888	16.6%	3,513	14.3%
	MaineCare	9,885	42.6%	10,881	46.0%	10,797	46.7%	11,333	48.3%	12,745	52.0%
	Total	23,190	100.0%	23,649	100.0%	23,125	100.0%	23,486	100.0%	24,509	100.0%
Lincoln	Indemnity	6,722	35.2%	7,609	37.9%	7,775	39.2%	7,494	36.9%	7,594	36.5%
	PPO, POS	4,826	25.3%	4,235	21.1%	3,678	18.6%	3,910	19.3%	3,218	15.4%
	MaineCare	7,537	39.5%	8,250	41.1%	8,356	42.2%	8,897	43.8%	10,017	48.1%
	Total	19,085	100.0%	20,094	100.0%	19,809	100.0%	20,301	100.0%	20,829	100.0%
Oxford	Indemnity	12,023	32.9%	13,772	34.8%	13,523	34.7%	12,608	31.1%	12,601	29.9%
	PPO, POS	7,613	20.8%	7,118	18.0%	6,445	16.6%	7,549	18.6%	6,445	15.3%
	MaineCare	16,902	46.3%	18,630	47.1%	18,971	48.7%	20,376	50.3%	23,038	54.7%
	Total	36,538	100.0%	39,520	100.0%	38,939	100.0%	40,533	100.0%	42,084	100.0%
Penobscot	Indemnity	30,560	32.4%	35,134	36.0%	35,419	36.7%	34,292	34.3%	34,776	34.0%
	PPO, POS	24,320	25.8%	19,699	20.2%	17,952	18.6%	20,126	20.2%	16,661	16.3%
	MaineCare	39,379	41.8%	42,839	43.9%	43,190	44.7%	45,418	45.5%	50,877	49.7%
	Total	94,259	100.0%	97,672	100.0%	96,561	100.0%	99,836	100.0%	102,314	100.0%
Piscataquis	Indemnity	3,615	25.2%	4,403	28.8%	4,023	28.0%	3,971	26.9%	3,935	25.7%
	PPO, POS	2,925	20.4%	2,513	16.5%	2,177	15.1%	2,234	15.1%	1,993	13.0%
	MaineCare	7,797	54.4%	8,356	54.7%	8,191	56.9%	8,564	58.0%	9,393	61.3%
	Total	14,337	100.0%	15,272	100.0%	14,391	100.0%	14,769	100.0%	15,321	100.0%
Sagadahoc	Indemnity	6,844	34.8%	7,810	37.8%	7,878	37.5%	7,677	35.3%	7,611	35.7%
	PPO, POS	6,574	33.5%	6,049	29.3%	6,178	29.4%	6,561	30.2%	5,046	23.6%
	MaineCare	6,222	31.7%	6,799	32.9%	6,943	33.1%	7,504	34.5%	8,680	40.7%
	Total	19,640	100.0%	20,658	100.0%	20,999	100.0%	21,742	100.0%	21,337	100.0%
Somerset	Indemnity	7,897	24.8%	10,007	28.6%	10,175	30.1%	10,046	28.6%	9,764	26.8%
	PPO, POS	5,991	18.8%	5,685	16.3%	4,474	13.2%	4,931	14.1%	4,204	11.5%
	MaineCare	18,009	56.5%	19,277	55.1%	19,150	56.7%	20,106	57.3%	22,485	61.7%
	Total	31,897	100.0%	34,969	100.0%	33,799	100.0%	35,083	100.0%	36,453	100.0%
Waldo	Indemnity	6,176	23.9%	6,724	27.4%	6,600	27.4%	6,809	28.5%	6,804	27.1%
	PPO, POS	8,641	33.5%	6,041	24.6%	5,579	23.2%	4,376	18.3%	4,081	16.3%
	MaineCare	10,992	42.6%	11,809	48.1%	11,906	49.4%	12,746	53.3%	14,185	56.6%
	Total	25,809	100.0%	24,574	100.0%	24,085	100.0%	23,931	100.0%	25,070	100.0%
Washington	Indemnity	3,750	17.8%	4,132	18.7%	4,062	19.7%	4,123	19.0%	3,985	17.7%
	PPO, POS	3,544	16.8%	3,394	15.3%	2,122	10.3%	2,731	12.6%	2,206	9.8%
	MaineCare	13,751	65.3%	14,617	66.0%	14,453	70.0%	14,877	68.5%	16,356	72.5%
	Total	21,045	100.0%	22,143	100.0%	20,637	100.0%	21,731	100.0%	22,547	100.0%
York	Indemnity	42,620	32.2%	47,638	35.5%	49,493	37.5%	47,855	34.7%	49,523	35.9%
	PPO, POS	53,557	40.5%	47,239	35.2%	42,286	32.0%	45,532	33.0%	37,416	27.1%
	MaineCare	36,091	27.3%	39,409	29.3%	40,296	30.5%	44,642	32.3%	50,993	37.0%
	Total	132,268	100.0%	134,286	100.0%	132,075	100.0%	138,029	100.0%	137,932	100.0%

Source: MHDO, CHWS, 2012

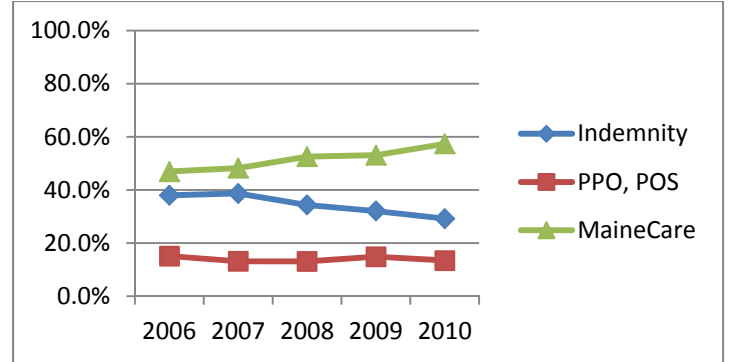
Figure 2. Percent of the Population with Indemnity, PPO/POS, or MaineCare Insurance, by County in Maine, 2006-2010 (continued)

Androscoggin



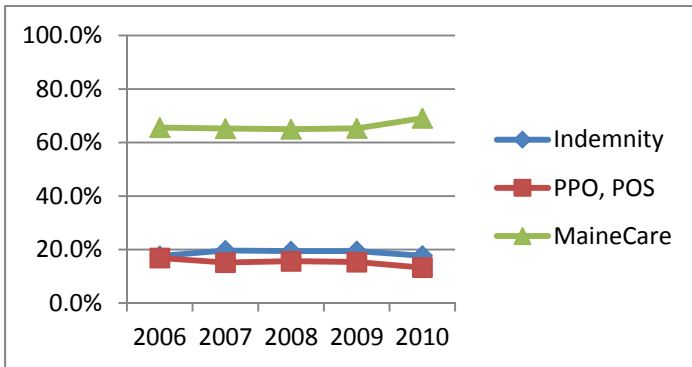
Source: MHDO, CHWS, 2012

Franklin



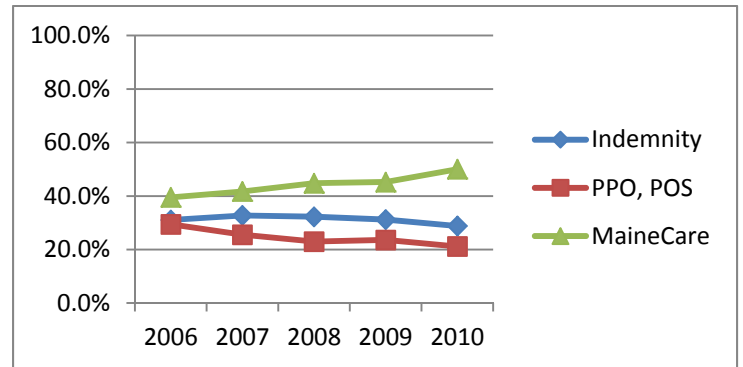
Source: MHDO, CHWS, 2012

Aroostook



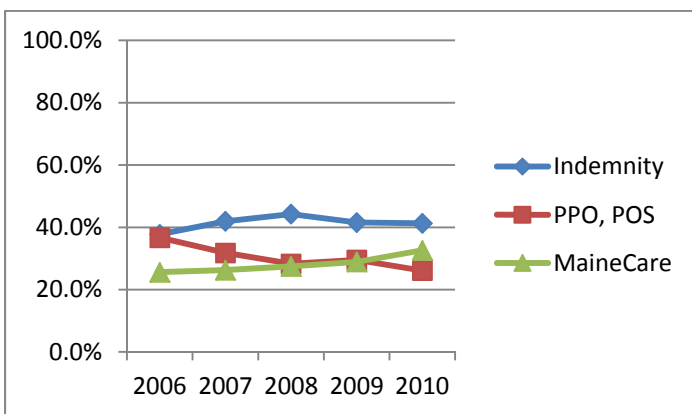
Source: MHDO, CHWS, 2012

Hancock



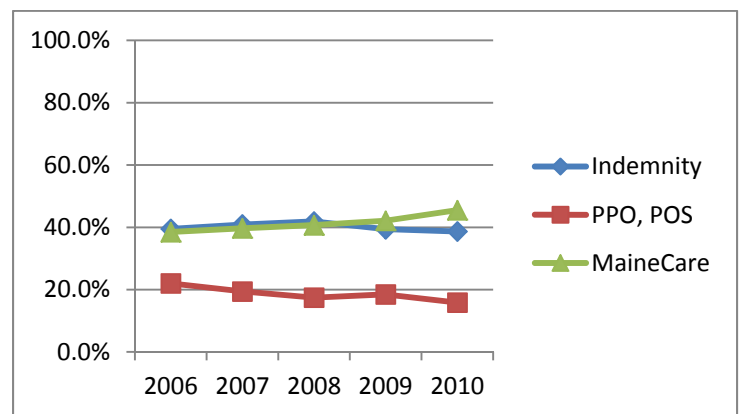
Source: MHDO, CHWS, 2012

Cumberland



Source: MHDO, CHWS, 2012

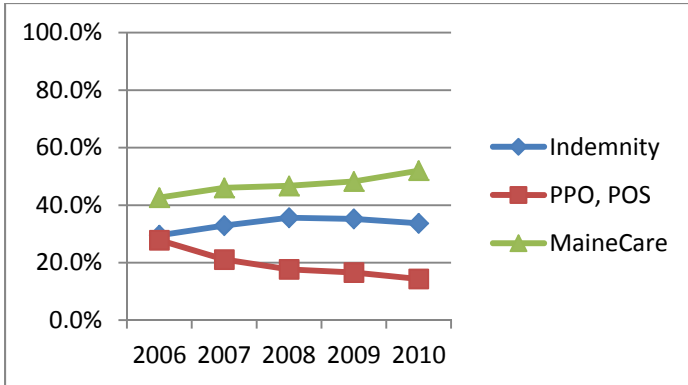
Kennebec



Source: MHDO, CHWS, 2012

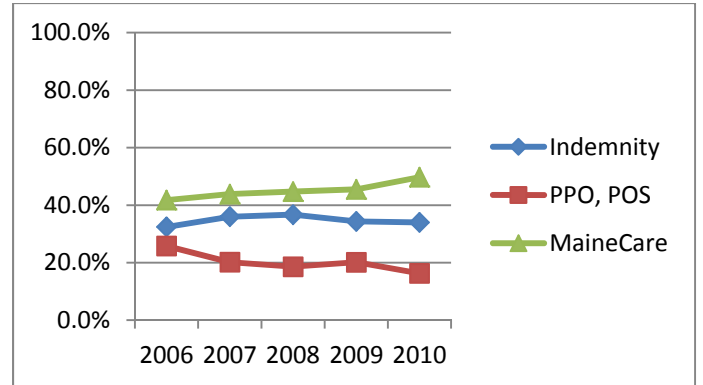
Figures 2: Percent of the Population with Indemnity, PPO/POS, or MaineCare Insurance, by County in Maine, 2006-2010 (continued)

Knox



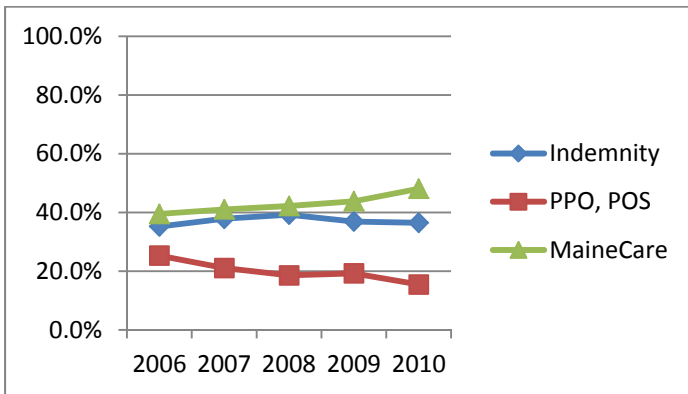
Source: MHDO, CHWS, 2012

Penobscot



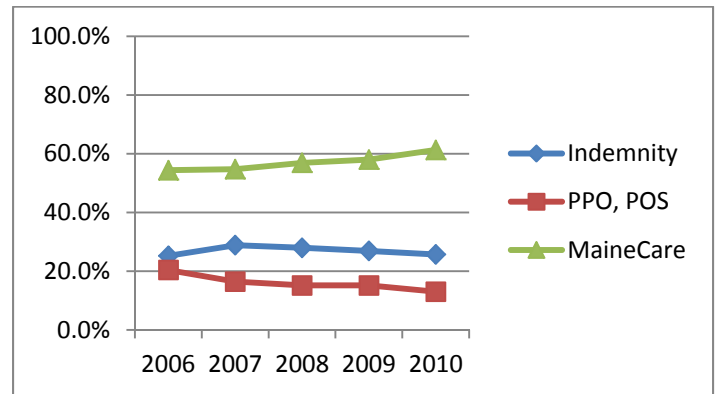
Source: MHDO, CHWS, 2012

Lincoln



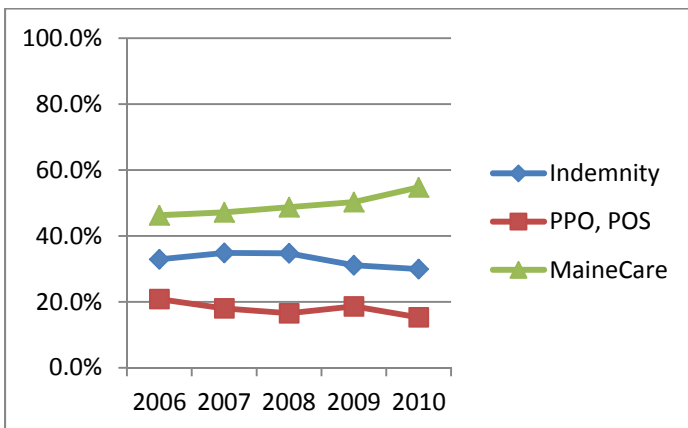
Source: MHDO, CHWS, 2012

Piscataquis



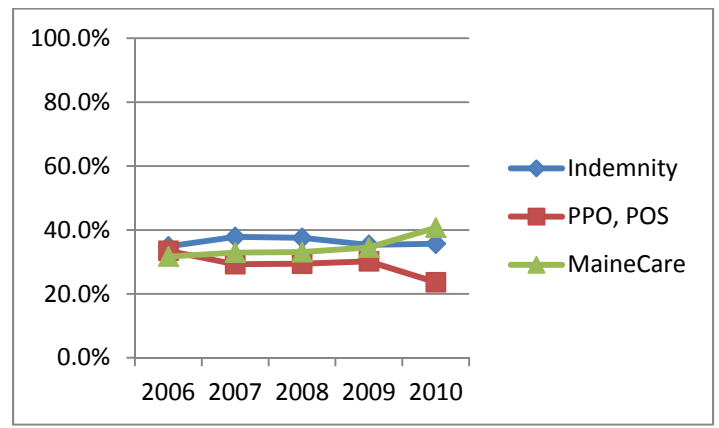
Source: MHDO, CHWS, 2012

Oxford



Source: MHDO, CHWS, 2012

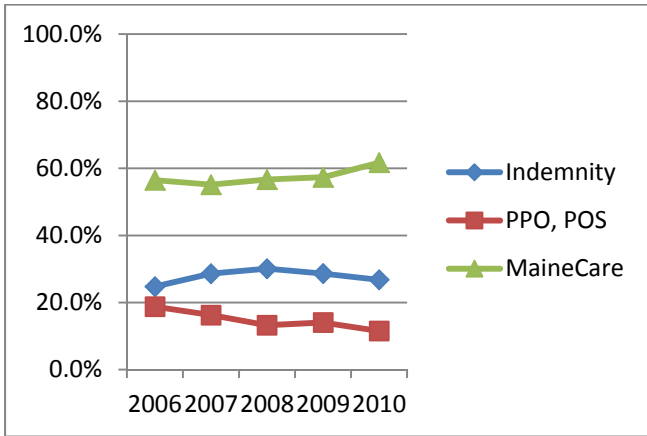
Sagadahoc



Source: MHDO, CHWS, 2012

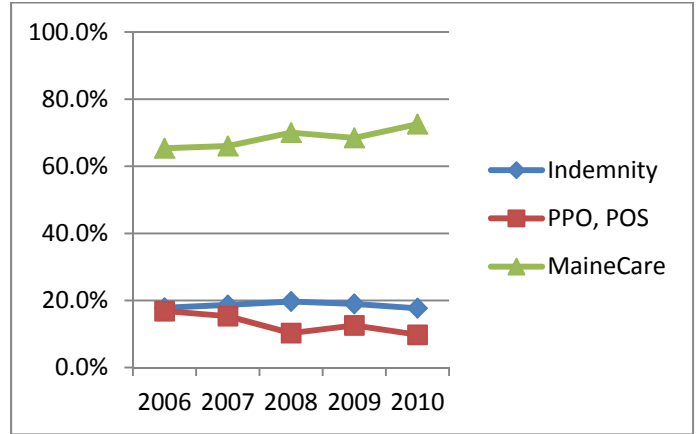
Figures 2: Percent of the Population with Indemnity, PPO/POS, or MaineCare Insurance, by County in Maine, 2006-2010

Somerset



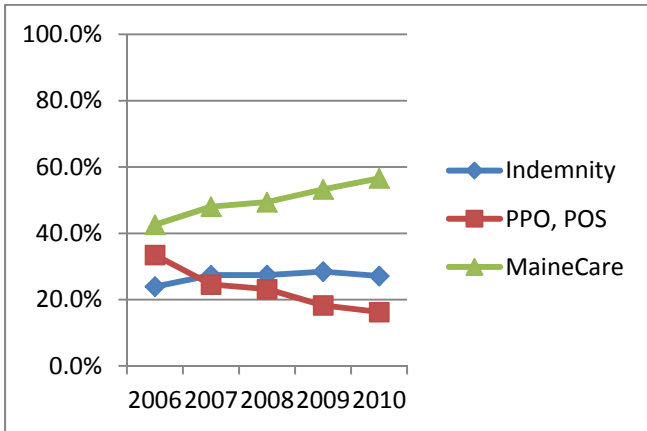
Source: MHDO, CHWS, 2012

Washington



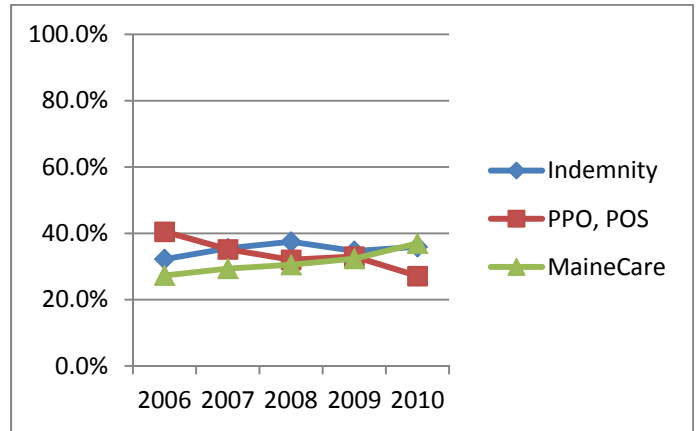
Source: MHDO, CHWS, 2012

Waldo



Source: MHDO, CHWS, 2012

York



Source: MHDO, CHWS, 2012

From 2006 to 2010, there was a decrease in the percentage of people covered by PPO/POS dental insurance plans in every county and an increase in every county in the percentage of the population with MaineCare. The percentage of people with indemnity insurance declined in six counties over the five-year period but increased in 10 counties. The reasons for these changes cannot be determined from available data. One possible explanation is a decline in employer supported dental benefits with an accompanying decrease in the percent of people with PPO/POS insurance. Another explanation is that employers changed the types of dental plans offered to employees selecting instead to offer indemnity plans. Also, it may be that some employees lost dental benefits altogether during the recent economic recession. Some of those who lost jobs likely then qualified for MaineCare, which would partly explain the rise in the percentage of people with MaineCare insurance. Some of the increase in MaineCare eligibility may also be attributed to enrollment efforts in the state.

Table 6. Rates of Increase or Decrease in Type of Dental Insurance Plan in a Five-Year Period, by County of Patient Residence in Maine, 2006-2010

County	Type of Insurance	Rate of Increase/Decrease in Insured Patients	County	Type of Insurance	Rate of Increase/Decrease in Insured Patients
Androscoggin	Indemnity	-3.6%	Oxford	Indemnity	-3.0%
	PPO, POS	-4.7%		PPO, POS	-5.5%
	MaineCare	8.4%		MaineCare	8.5%
Aroostook	Indemnity	0.1%	Penobscot	Indemnity	1.6%
	PPO, POS	-3.6%		PPO, POS	-9.5%
	MaineCare	3.5%		MaineCare	7.9%
Cumberland	Indemnity	3.5%	Piscataquis	Indemnity	0.5%
	PPO, POS	-10.6%		PPO, POS	-7.4%
	MaineCare	7.0%		MaineCare	6.9%
Franklin	Indemnity	-8.8%	Sagadahoc	Indemnity	0.8%
	PPO, POS	-1.7%		PPO, POS	-9.8%
	MaineCare	10.4%		MaineCare	9.0%
Hancock	Indemnity	-2.2%	Somerset	Indemnity	2.0%
	PPO, POS	-8.3%		PPO, POS	-7.2%
	MaineCare	10.5%		MaineCare	5.2%
Kennebec	Indemnity	-0.9%	Waldo	Indemnity	3.2%
	PPO, POS	-6.2%		PPO, POS	-17.2%
	MaineCare	7.0%		MaineCare	14.0%
Knox	Indemnity	4.1%	Washington	Indemnity	-0.1%
	PPO, POS	-13.5%		PPO, POS	-7.1%
	MaineCare	9.4%		MaineCare	7.2%
Lincoln	Indemnity	1.2%	York	Indemnity	3.7%
	PPO, POS	-9.8%		PPO, POS	-13.4%
	MaineCare	8.6%		MaineCare	9.7%

Source: MHDO, CHWS, 2012

The percent of people in Maine who were eligible for MaineCare varied each year. The data presented below counted any person who was eligible for MaineCare for at least one month of each year. MaineCare is an entitlement program and relies on means testing to determine eligibility. People may be eligible for MaineCare for a short period in a year but as personal financial status improves may no longer qualify. Therefore, not all people counted as having MaineCare insurance in a particular year were insured for that full year. Cumberland, York, and Penobscot counties had the highest number of people eligible for MaineCare in all years.

Table 7. Number and Percent of MaineCare-Insured People, by County in Maine, 2006 to 2010

County	2006			2007			2008			2009			2010		
	Total # People on Maine Care	% of All Maine Care Insured People	% of Total State Population	Total # People on Maine Care	% of All Maine Care Insured People	% of Total State Population	Total # People on Maine Care	% of All Maine Care Insured People	% of Total State Population	Total # People on Maine Care	% of All Maine Care Insured People	% of Total State Population	Total # People on Maine Care	% of All Maine Care Insured People	% of Total State Population
Androscoggin	31,266	9.7%	2.4%	34,267	9.8%	2.6%	34,473	9.7%	2.6%	37,180	9.8%	2.8%	41,596	9.8%	3.1%
Aroostook	25,314	7.8%	1.9%	26,896	7.7%	2.0%	27,006	7.6%	2.1%	28,279	7.5%	2.1%	31,368	7.4%	2.4%
Cumberland	48,349	14.9%	3.7%	52,132	14.8%	4.0%	53,000	15.0%	4.0%	57,726	15.2%	4.4%	66,391	15.6%	5.0%
Franklin	8,378	2.6%	0.6%	9,186	2.6%	0.7%	9,354	2.6%	0.7%	10,014	2.6%	0.8%	11,019	2.6%	0.8%
Hancock	11,905	3.7%	0.9%	13,004	3.7%	1.0%	13,419	3.8%	1.0%	14,242	3.8%	1.1%	16,446	3.9%	1.2%
Kennebec	31,965	9.9%	2.4%	34,746	9.9%	2.6%	34,769	9.8%	2.6%	37,121	9.8%	2.8%	40,891	9.6%	3.1%
Knox	9,885	3.1%	0.7%	10,881	3.1%	0.8%	10,797	3.0%	0.8%	11,333	3.0%	0.9%	12,745	3.0%	1.0%
Lincoln	7,537	2.3%	0.6%	8,250	2.3%	0.6%	8,356	2.4%	0.6%	8,897	2.3%	0.7%	10,017	2.3%	0.8%
Oxford	16,902	5.2%	1.3%	18,630	5.3%	1.4%	18,971	5.4%	1.4%	20,376	5.4%	1.5%	23,038	5.4%	1.7%
Penobscot	39,379	12.2%	3.0%	42,839	12.2%	3.3%	43,190	12.2%	3.3%	45,418	12.0%	3.4%	50,877	11.9%	3.8%
Piscataquis	7,797	2.4%	0.6%	8,356	2.4%	0.6%	8,191	2.3%	0.6%	8,564	2.3%	0.6%	9,393	2.2%	0.7%
Sagadahoc	6,222	1.9%	0.5%	6,799	1.9%	0.5%	6,943	2.0%	0.5%	7,504	2.0%	0.6%	8,680	2.0%	0.7%
Somerset	18,009	5.6%	1.4%	19,277	5.5%	1.5%	19,150	5.4%	1.5%	20,106	5.3%	1.5%	22,485	5.3%	1.7%
Waldo	10,992	3.4%	0.8%	11,809	3.4%	0.9%	11,906	3.4%	0.9%	12,746	3.4%	1.0%	14,185	3.3%	1.1%
Washington	13,751	4.2%	1.0%	14,617	4.2%	1.1%	14,453	4.1%	1.1%	14,877	3.9%	1.1%	16,356	3.8%	1.2%
York	36,091	11.1%	2.7%	39,409	11.2%	3.0%	40,296	11.4%	3.1%	44,642	11.8%	3.4%	50,993	12.0%	3.8%
State of Maine	323,742	100.0%	24.5%	351,098	100.0%	26.7%	354,274	100.0%	26.9%	379,025	100.0%	28.8%	426,480	100.0%	32.1%
Total State Population	1,321,574			1,317,207			1,316,456			1,318,301			1,328,361		

Source : MHDO, CHWS, 2012 Totals presented here may vary from totals in other charts in this report due to missing information in one or more variables used in the cross tabulations.

The following tables show the counts of MaineCare patients by age group by county for the five-year period from 2006-2010 and the rate of increased or decreased enrollment by age. All counties experienced growth in the percentage of people enrolled in MaineCare. In most counties, the number of people in the youngest and oldest cohorts enrolled in MaineCare substantially increased during the five-year period. The increase in the number of people age 45 to 64 years in MaineCare over the period was concerning.

Table 8. Number of People by Age Cohort and County of Residence with MaineCare Insurance for Any Period of Eligibility in Each Year, 2006-2010 (continued)

Androscoggin	2006	2007	2008	2009	2010	% Increase/Decrease 2006-10
0-3 years	2,818	3,643	3,716	4,245	4,706	67.0%
4-11 years	5,307	5,400	5,467	5,653	6,049	14.0%
12-18 years	4,260	4,275	4,235	4,224	4,476	5.1%
19-24 years	3,132	3,156	3,000	3,247	3,700	18.1%
25-44 years	7,690	7,846	7,677	8,732	9,661	25.6%
45-64 years	4,210	4,597	4,785	5,184	6,721	59.6%
65-74 years	1,496	2,066	2,177	2,288	2,541	69.9%
75 years or older	2,353	3,284	3,416	3,607	3,742	59.0%
Total	31,266	34,267	34,473	37,180	41,596	33.0%
Aroostook	2006	2007	2008	2009	2010	Change
0-3 years	1,618	2,008	2,069	2,278	2,461	52.1%
4-11 years	3,503	3,437	3,509	3,556	3,690	5.3%
12-18 years	3,353	3,286	3,147	3,245	3,378	0.7%
19-24 years	2,319	2,290	2,115	2,123	2,627	13.3%
25-44 years	5,565	5,583	5,450	5,882	6,423	15.4%
45-64 years	4,379	4,599	4,644	4,931	6,121	39.8%
65-74 years	1,834	2,300	2,494	2,669	2,936	60.1%
75 years or older	2,743	3,393	3,578	3,595	3,732	36.1%
Total	25,314	26,896	27,006	28,279	31,368	23.9%
Cumberland	2006	2007	2008	2009	2010	Change
0-3 years	3,965	5,031	5,054	5,555	6,574	65.8%
4-11 years	7,705	7,756	7,921	8,282	8,966	16.4%
12-18 years	6,822	6,794	6,729	6,852	7,294	6.9%
19-24 years	4,421	4,638	4,410	4,676	5,657	28.0%
25-44 years	12,266	12,510	12,033	13,976	16,290	32.8%
45-64 years	7,406	8,200	8,404	9,318	11,898	60.7%
65-74 years	2,173	2,921	3,067	3,415	3,828	76.2%
75 years or older	3,591	5,282	5,382	5,652	5,884	63.9%
Total	48,349	53,132	53,000	57,726	66,391	37.3%
Franklin	2006	2007	2008	2009	2010	Change
0-3 years	615	812	837	982	1,092	77.6%
4-11 years	1,288	1,276	1,339	1,380	1,432	11.2%
12-18 years	1,240	1,213	1,212	1,180	1,258	1.5%
19-24 years	777	839	794	874	976	25.6%
25-44 years	2,038	2,049	2,050	2,288	2,434	19.4%
45-64 years	1,461	1,625	1,686	1,788	2,186	49.6%
65-74 years	410	581	621	674	744	81.5%
75 years or older	549	791	815	848	897	63.4%
Total	8,378	9,186	9,354	10,014	11,019	31.5%

Source: MHDO, CHWS, 2012

Table 8. Number of People by Age Cohort and County of Residence with MaineCare Insurance for Any Period of Eligibility in Each Year, 2006-2010 (continued)

Hancock	2006	2007	2008	2009	2010	% Increase/Decrease 2006-10
0-3 years	922	1,152	1,273	1,405	1,606	74.2%
4-11 years	1,798	1,817	1,877	1,984	2,175	21.0%
12-18 years	1,703	1,687	1,734	1,740	1,828	7.3%
19-24 years	959	1,073	1,125	1,121	1,298	35.3%
25-44 years	2,896	2,993	2,985	3,334	3,840	32.6%
45-64 years	2,055	2,225	2,281	2,438	3,236	57.5%
65-74 years	642	820	874	934	1,092	70.1%
75 years or older	930	1,237	1,270	1,286	1,371	47.4%
Total	11,905	13,004	13,419	14,242	16,446	38.1%
Kennebec	2006	2007	2008	2009	2010	Change
0-3 years	2,568	3,228	3,244	3,541	4,158	61.9%
4-11 years	5,313	5,357	5,384	5,554	5,847	10.1%
12-18 years	4,412	4,454	4,394	4,397	4,535	2.8%
19-24 years	3,054	3,066	2,953	3,053	3,502	14.7%
25-44 years	8,045	8,227	8,094	9,257	9,850	22.4%
45-64 years	4,870	5,249	5,364	5,822	7,144	46.7%
65-74 years	1,410	2,041	2,111	2,234	2,492	76.7%
75 years or older	2,293	3,124	3,225	3,263	3,363	46.7%
Total	31,965	34,746	34,769	37,121	40,891	27.9%
Knox	2006	2007	2008	2009	2010	Change
0-3 years	802	1,002	989	1,072	1,288	60.6%
4-11 years	1,545	1,607	1,608	1,617	1,704	10.3%
12-18 years	1,385	1,332	1,359	1,345	1,434	3.5%
19-24 years	912	960	902	944	1,018	11.6%
25-44 years	2,505	2,607	2,479	2,699	3,000	19.8%
45-64 years	1,525	1,675	1,729	1,896	2,364	55.0%
65-74 years	503	668	688	718	806	60.2%
75 years or older	708	1,030	1,043	1,042	1,131	59.7%
Total	9,885	10,881	10,797	11,333	12,745	28.9%
Lincoln	2006	2007	2008	2009	2010	Change
0-3 years	588	735	743	765	923	57.0%
4-11 years	1,332	1,324	1,350	1,420	1,424	6.9%
12-18 years	1,082	1,135	1,146	1,136	1,211	11.9%
19-24 years	593	587	609	651	723	21.9%
25-44 years	1,867	1,934	1,935	2,148	2,367	26.8%
45-64 years	1,208	1,295	1,333	1,471	1,885	56.0%
65-74 years	349	482	495	515	618	77.1%
75 years or older	518	758	745	791	866	67.2%
Total	7,537	8,250	8,356	8,897	10,017	32.9%

Source: MHDO, CHWS, 2012

Table 8. Number of People by Age Cohort and County of Residence with MaineCare Insurance for Any Period of Eligibility in Each Year, 2006-2010 (continued)

Oxford	2006	2007	2008	2009	2010	% Increase/Decrease 2006-10
0-3 years	1,231	1,581	1,594	1,794	1,974	60.4%
4-11 years	2,693	2,736	2,793	2,915	3,106	15.3%
12-18 years	2,597	2,562	2,583	2,579	2,762	6.4%
19-24 years	1,410	1,514	1,540	1,647	1,907	35.2%
25-44 years	4,072	4,218	4,184	4,716	5,266	29.3%
45-64 years	2,786	3,054	3,166	3,462	4,479	60.8%
65-74 years	849	1,217	1,337	1,438	1,606	89.2%
75 years or older	1,264	1,748	1,774	1,825	1,938	53.3%
Total	16,902	18,630	18,971	20,376	23,038	36.3%
Penobscot	2006	2007	2008	2009	2010	Change
0-3 years	3,121	3,931	3,936	4,477	5,107	63.6%
4-11 years	6,080	6,230	6,308	6,323	6,656	9.5%
12-18 years	5,480	5,375	5,209	5,098	5,377	-1.9%
19-24 years	4,045	4,196	4,082	4,058	4,745	17.3%
25-44 years	10,018	10,254	10,082	11,101	12,278	22.6%
45-64 years	6,399	6,920	7,193	7,792	9,620	50.3%
65-74 years	1,764	2,479	2,737	2,872	3,167	79.5%
75 years or older	2,472	3,454	3,643	3,697	3,927	58.9%
Total	39,379	42,839	43,190	45,418	50,877	29.2%
Piscataquis	2006	2007	2008	2009	2010	Change
0-3 years	547	657	618	680	761	39.1%
4-11 years	1,160	1,144	1,117	1,133	1,151	-0.8%
12-18 years	1,098	1,110	1,050	1,026	1,047	-4.6%
19-24 years	645	630	579	609	662	2.6%
25-44 years	1,874	1,857	1,763	1,920	2,018	7.7%
45-64 years	1,475	1,583	1,580	1,622	2,001	35.7%
65-74 years	442	607	680	738	845	91.2%
75 years or older	556	768	804	836	908	63.3%
Total	7,797	8,356	8,191	8,564	9,393	20.5%
Sagadahoc	2006	2007	2008	2009	2010	Change
0-3 years	599	710	731	799	1,024	71.0%
4-11 years	1,122	1,158	1,167	1,163	1,304	16.2%
12-18 years	903	867	890	922	968	7.2%
19-24 years	616	621	596	594	722	17.2%
25-44 years	1,539	1,578	1,653	1,901	2,126	38.1%
45-64 years	879	984	1,026	1,153	1,458	65.9%
65-74 years	237	342	347	398	477	101.3%
75 years or older	327	539	533	574	601	83.8%
Total	6,222	6,799	6,943	7,504	8,680	39.5%

Source: MHDO, CHWS, 2012

Table 8. Number of People by Age Cohort and County of Residence with MaineCare Insurance for Any Period of Eligibility in Each Year, 2006-2010

Somerset	2006	2007	2008	2009	2010	% Increase/Decrease 2006-10
0-3 years	1,245	1,568	1,540	1,712	2,052	64.8%
4-11 years	2,802	2,795	2,783	2,792	2,892	3.2%
12-18 years	2,589	2,514	2,402	2,407	2,527	-2.4%
19-24 years	1,629	1,611	1,537	1,578	1,801	10.6%
25-44 years	4,609	4,698	4,547	4,922	5,335	15.8%
45-64 years	2,978	3,249	3,267	3,438	4,361	46.4%
65-74 years	945	1,252	1,419	1,521	1,696	79.5%
75 years or older	1,212	1,590	1,655	1,736	1,821	50.2%
Total	18,009	19,277	19,150	20,106	22,485	24.9%
Waldo	2006	2007	2008	2009	2010	Change
0-3 years	806	1,028	1,043	1,167	1,460	81.1%
4-11 years	1,830	1,866	1,873	1,875	1,915	4.6%
12-18 years	1,610	1,583	1,573	1,583	1,686	4.7%
19-24 years	889	928	922	944	1,011	13.7%
25-44 years	2,683	2,715	2,674	3,090	3,291	22.7%
45-64 years	1,858	1,983	1,982	2,139	2,709	45.8%
65-74 years	603	752	855	885	973	61.4%
75 years or older	713	954	984	1,063	1,140	59.9%
Total	10,992	11,809	11,906	12,746	14,185	29.0%
Washington	2006	2007	2008	2009	2010	Change
0-3 years	949	1,164	1,165	1,206	1,368	44.2%
4-11 years	1,928	1,943	1,942	1,926	2,012	4.4%
12-18 years	1,847	1,808	1,734	1,774	1,814	-1.8%
19-24 years	1,194	1,208	1,125	1,128	1,210	1.3%
25-44 years	3,433	3,444	3,321	3,504	3,834	11.7%
45-64 years	2,487	2,628	2,655	2,782	3,412	37.2%
65-74 years	820	1,037	1,078	1,140	1,244	51.7%
75 years or older	1,093	1,385	1,433	1,417	1,462	33.8%
Total	13,751	14,617	14,453	14,877	16,356	18.9%
York	2006	2007	2008	2009	2010	Change
0-3 years	3,031	3,861	3,970	4,407	5,068	67.2%
4-11 years	6,400	6,326	6,407	6,796	7,283	13.8%
12-18 years	5,512	5,417	5,498	5,777	6,122	11.1%
19-24 years	3,137	3,182	3,136	3,483	4,156	32.5%
25-44 years	8,801	8,940	8,962	10,570	11,753	33.5%
45-64 years	5,062	5,578	5,746	6,549	8,875	75.3%
65-74 years	1,644	2,330	2,543	2,781	3,162	92.3%
75 years or older	2,504	3,775	4,034	4,279	4,574	82.7%
Total	36,091	39,409	40,296	44,642	50,993	41.3%

Source: MHDO, CHWS, 2012

Chapter 2.

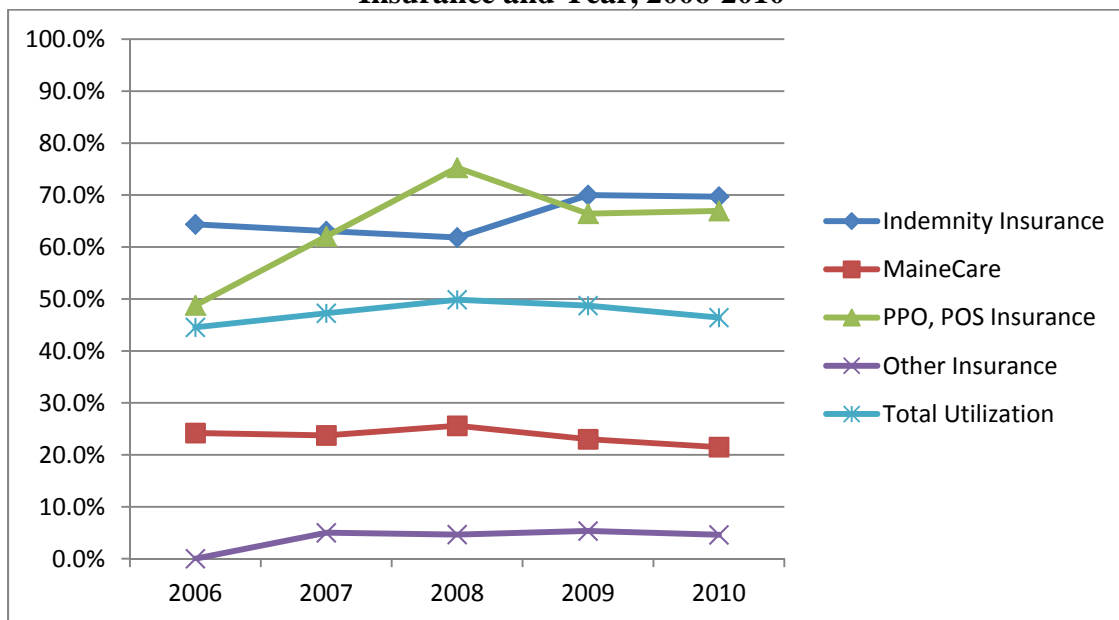
Utilization of Dental Services by Patients with Dental Insurance in Maine

Eligibility for dental insurance is predictive of utilization of dental services, but not all people with dental insurance utilize dental services. The reasons for this are many. Some people lack oral health literacy and do not have a good understanding of the importance of establishing a dental home and obtaining routine dental services to produce good oral health outcomes. For others with dental insurance, the cost of care may be a barrier to routine utilization if the plan requires high patient co-pays or cost sharing. People with these plans may only utilize services for urgent or emergent conditions. The following analyses are based on the dental eligibility and dental claims and utilization files. Medical claims for dental complaints are analyzed separately in a subsequent chapter of this report.

Dental utilization rates for insured individuals in Maine ranged from a low of 44.5% in 2006 to a high of 49.9% in 2008, averaging 47.4% during the five-year period. Utilization varied by type of insurance coverage. On average, 65.8% of people with indemnity insurance coverage received at least one dental service during the five-year period. However, on average only 23.5% of people covered by MaineCare received at least one dental service during the five-year period. This lower percentage may be due in part to the limited coverage for adult dental services. Poor oral health literacy may also be a contributor to lower levels of utilization in this group.

“Other” insurance referenced in these analyses includes HMOs that provide a dental benefit in their health insurance packages and Medicare Part C carriers, also known as Medicare Advantage plans. These latter plans were only recently available in Maine and only small numbers of people are covered by them. Still utilization of dental services was remarkably low in this group, mainly elderly or disabled adults.

Figure 3. Percentage of Insured People in Maine Utilizing Any Dental Service by Type of Insurance and Year, 2006-2010



Source: MHDO, CHWS, 2012

The percent of MaineCare-insured people that received at least one dental service in any year was consistently lower than the percent of commercially insured individuals that received dental care. One reason for this was the limited dental benefit available to adults on MaineCare. While there was a surge in the number of patients utilizing dental services in 2009, the number of patients accessing a dental service in 2010 dropped to a rate below that of 2008. Dentists in Maine have anecdotally suggested a recent drop in demand for dental services related to the longer term impacts of the economic downturn.

Table 9. Dental Insurance Eligibility and Utilization of at Least One Dental Service, Maine, 2006-2010

Type of Insurance	2006			2007			2008		
	Eligible	Population with a Paid Service	Percent of Insured With A Dental Visit	Eligible	Population with a Paid Service	Percent of Insured With A Dental Visit	Eligible	Population with a Paid Service	Percent of Insured With A Dental Visit
Indemnity	279,075	179,584	64.3%	317,406	200,116	63.0%	319,205	197,349	61.8%
PPO, POS	248,277	121,083	48.8%	220,455	136,767	62.0%	194,986	146,769	75.3%
MaineCare	323,742	78,308	24.2%	352,098	83,545	23.7%	354,274	90,658	25.6%
Other	2	0	0.0%	100	5	5.0%	4,051	188	4.6%
Total	851,096	378,975	44.5%	890,059	420,433	47.2%	872,516	434,964	49.9%
Type of Insurance	2009			2010			Five Year Average 2006-2010		
	Eligible	Population with a Paid Service	Percent of Insured With A Dental Visit	Eligible	Population with a Paid Service	Percent of Insured With A Dental Visit	Eligible*	Population with a Paid Service*	Percent of Insured With A Dental Visit
Indemnity	309,446	216,551	70.0%	311,329	216,910	69.7%	307,292	202,102	65.8%
PPO, POS	211,638	140,570	66.4%	183,885	123,083	66.9%	367,124	86,273	23.5%
MaineCare	379,025	87,197	23.0%	426,480	91,657	21.5%	211,848	133,654	63.1%
Other	13,544	723	5.3%	9,269	426	4.6%	5,393	268	5.0%
Total	913,653	445,041	48.7%	930,963	432,076	46.4%	891,657	422,298	47.4%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

An analysis of the types of dental services that patients received revealed that most patients (greater than 80%) who received a dental service in a given year received at least one diagnostic service and more than three-quarters of all patients receiving a dental service received at least one preventive service. The most common specialty service for patients was oral and maxillofacial surgery with about 10% of insured patients receiving at least one oral surgery service in any year. Prosthodontics was consistently the least accessed of dental specialty services.

Table 10. Number and Percentage of Patients with Dental Insurance in Maine Who Received at Least one Dental Service, by Type of Service, 2006-2010

Type of Dental Service	2006			2007			2008			2009			2010		
	# of Insured Patients Receiving at Least One Service	% Of Patients Who Received Any Dental Service by Type of Service	% of All Insured Patients in Maine Receiving Any Dental Service by Type	# of Insured Patients Receiving at Least One Service	% Of Patients Who Received Any Dental Service by Type of Service	% of All Insured Patients in Maine Receiving Any Dental Service by Type	# of Insured Patients Receiving at Least One Service	% Of Patients Who Received Any Dental Service by Type of Service	% of All Insured Patients in Maine Receiving Any Dental Service by Type	# of Insured Patients Receiving at Least One Service	% Of Patients Who Received Any Dental Service by Type of Service	% of All Insured Patients in Maine Receiving Any Dental Service by Type	# of Insured Patients Receiving at Least One Service	% Of Patients Who Received Any Dental Service by Type of Service	% of All Insured Patients in Maine Receiving Any Dental Service by Type
Diagnostic	319,200	84.2%	37.5%	353,170	84.0%	39.7%	362,822	83.4%	41.6%	374,923	84.2%	41.0%	373,224	86.4%	40.1%
Preventive	302,111	79.7%	35.5%	335,705	79.8%	37.7%	345,946	79.5%	39.6%	352,073	79.1%	38.5%	351,891	81.4%	37.8%
Restorative	125,667	33.2%	14.8%	134,514	32.0%	15.1%	137,245	31.6%	15.7%	139,987	31.5%	15.3%	136,793	31.7%	14.7%
Oral and Maxillofacial Surgery	40,736	10.7%	4.8%	44,423	10.6%	5.0%	45,934	10.6%	5.3%	47,082	10.6%	5.2%	47,767	11.1%	5.1%
Adjunctive General Services	29,781	7.9%	3.5%	32,145	7.6%	3.6%	31,995	7.4%	3.7%	33,062	7.4%	3.6%	34,200	7.9%	3.7%
Periodontics	21,189	5.6%	2.5%	24,060	5.7%	2.7%	23,944	5.5%	2.7%	24,406	5.5%	2.7%	23,193	5.4%	2.5%
Endodontics	14,270	3.8%	1.7%	14,978	3.6%	1.7%	14,722	3.4%	1.7%	15,060	3.4%	1.6%	15,144	3.5%	1.6%
Orthodontics	9,550	2.5%	1.1%	10,984	2.6%	1.2%	11,126	2.6%	1.3%	10,989	2.5%	1.2%	9,213	2.1%	1.0%
Prosthodontics	6,110	1.6%	0.7%	6,811	1.6%	0.8%	6,784	1.6%	0.8%	6,800	1.5%	0.7%	6,905	1.6%	0.7%
Prosthetics & Implants	2,760	0.7%	0.3%	3,172	0.8%	0.4%	3,190	0.7%	0.4%	3,226	0.7%	0.4%	3,374	0.8%	0.4%
FQHC	13,713	3.6%	1.6%	14,803	3.5%	1.7%	14,928	3.4%	1.7%	10,989	2.5%	1.2%	13,097	3.0%	1.4%
Indian Health Centers	325	0.1%	0.0%	515	0.1%	0.1%	627	0.1%	0.1%	610	0.1%	0.1%	440	0.1%	0.0%
Clinic Visits	294	0.1%	0.0%	355	0.1%	0.0%	723	0.2%	0.1%	837	0.2%	0.1%	491	0.1%	0.1%
Total Number of Insured Patients Receiving Any Dental Service	378,975			420,433			434,964			445,041			432,076		
Total Number of People with Dental Insurance	851,096		44.5%	890,047		47.2%	872,516		49.9%	913,653		48.7%	930,963		46.4%

Source: MHDO, CHWS, 2012. Notes: The data contain overlapping patients although they count only one type of service per patient. A patient who received two preventive services is counted only once in the table. A patient who received both a preventive and diagnostic service is counted in each category. Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Utilization of Preventive, Diagnostic, and Restorative Oral Health Services

Utilization patterns of insured people in Maine are reflective of the dental benefits available to them. For example, adults insured by MaineCare do not have coverage for preventive care so they may not receive preventive services. On the other hand, MaineCare-insured children do have preventive coverage under the EPSDT benefit and some MaineCare-insured children received preventive services during all five years of this study.

In most years, MaineCare-insured children from birth to 3 years constituted about half of all insured children in that age group receiving a diagnostic services. However, fewer than one-third of the insured children in the cohorts age 4 to 18 years who received a diagnostic service in any of the years examined for this study were children with MaineCare insurance (See Table 12, on page 49). Adults on MaineCare represented a small portion of patients receiving a diagnostic service in any year. Diagnostic services would likely precede restorative care or oral surgery services for an emergent condition that are a covered benefit for adults on MaineCare.

The youngest age cohort (birth to age 3 years) of MaineCare-insured children was the most likely to have received a preventive dental service. In all five years, 60% of children in Maine from birth to 3 years who received a preventive service were insured by MaineCare. Children on MaineCare (age 4 years and older) were less likely than commercially insured children in the same age cohorts to have received a preventive service. In 2010, 42.8% of insured children age 4 to 11 years who received a preventive oral health service were insured by MaineCare, despite the fact that 55.5% of all children with dental insurance in this age group were insured by MaineCare (See Table 11, on page 48).

While it is desirable for young children to receive a preventive oral health service, it is not desirable for young children to need a restorative service. Half of all children age 4 to 11 years who received a restorative service in almost every year were MaineCare-insured children. While it is commendable that children in need of restorative oral health services receive them, it is also desirable that the need for restorative care be reduced by good oral hygiene and regular preventive care.

Adults on MaineCare represented a very small proportion of all adults receiving restorative services in any of the five years. This is likely due to the limited restorative benefit available through MaineCare and may also be partly due to the number of providers willing to treat adult patients insured by MaineCare (See Table 13, on page 50).

Table 11. Number of Insured Patients and Number of MaineCare-Insured Patients Receiving at Least One Preventive Service Annually, Maine, 2006-2010

Age	2006			2007			2008			2009			2010		
	Total Insured Patients Receiving at Least 1 Preventive Service	Total MaineCare Insured Patients Receiving at Least 1 Preventive Service	% of All Patients Receiving at Least 1 Preventive Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Preventive Service	Total MaineCare Insured Patients Receiving at Least 1 Preventive Service	% of All Patients Receiving at Least 1 Preventive Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Preventive Service	Total MaineCare Insured Patients Receiving at Least 1 Preventive Service	% of All Patients Receiving at Least 1 Preventive Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Preventive Service	Total MaineCare Insured Patients Receiving at Least 1 Preventive Service	% of All Patients Receiving at Least 1 Preventive Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Preventive Service	Total MaineCare Insured Patients Receiving at Least 1 Preventive Service	% of All Patients Receiving at Least 1 Preventive Service Who Were Insured by MaineCare
0-3 years	6,275	3,943	62.8%	8,252	5,023	60.9%	9,241	5,838	63.2%	9,019	5,504	61.0%	9,983	6,327	63.4%
4-11 years	53,726	21,538	40.1%	60,441	22,723	37.6%	63,936	26,219	41.0%	62,919	25,519	40.6%	65,014	27,811	42.8%
12-18 years	49,756	15,167	30.5%	54,320	15,498	28.5%	55,047	16,654	30.3%	54,634	16,317	29.9%	54,217	17,527	32.3%
19-24 years	16,820	1,949	11.6%	18,628	2,023	10.9%	19,380	2,147	11.1%	19,961	2,334	11.7%	20,206	2,667	13.2%
25-44 years	74,535	61	0.1%	79,676	50	0.1%	78,214	80	0.1%	78,513	57	0.1%	75,915	111	0.1%
45-64 years	90,090	25	0.0%	101,485	27	0.0%	105,067	40	0.0%	109,761	46	0.0%	108,415	59	0.1%
65-74 years	7,859	8	0.1%	9,266	5	0.1%	10,934	4	0.0%	12,686	1	0.0%	13,411	3	0.0%
75 years and older	3,050	2	0.1%	3,637	2	0.1%	4,127	3	0.1%	4,580	3	0.1%	4,730	4	0.1%
Total	302,111	42,693		335,705	45,351		345,946	50,985		352,073	49,781		351,891	54,509	
Payer	2006			2007			2008			2009			2010		
Indemnity Ins.	156,230			174,331			171,780			185,725			191,289		
PPO, POS	103,188			116,023			123,055			115,955			105,761		
MaineCare	42,693			45,351			50,985			49,781			54,509		
Other							126			612			332		
Total	302,111			335,705			345,946			352,073			351,891		

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Table 12. Number of Insured Patients and Number of MaineCare-Insured Patients Receiving at Least One Diagnostic Service Annually, Maine, 2006-2010

	2006			2007			2008			2009			2010		
	Total Insured Patients Receiving at Least 1 Diagnostic Service	Total MaineCare Insured Patients Receiving at Least 1 Diagnostic Service	% of All Patients Receiving at Least 1 Diagnostic Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Diagnostic Service	Total MaineCare Insured Patients Receiving at Least 1 Diagnostic Service	% of All Patients Receiving at Least 1 Diagnostic Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Diagnostic Service	Total MaineCare Insured Patients Receiving at Least 1 Diagnostic Service	% of All Patients Receiving at Least 1 Diagnostic Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Diagnostic Service	Total MaineCare Insured Patients Receiving at Least 1 Diagnostic Service	% of All Patients Receiving at Least 1 Diagnostic Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Diagnostic Service	Total MaineCare Insured Patients Receiving at Least 1 Diagnostic Service	% of All Patients Receiving at Least 1 Diagnostic Service Who Were Insured by MaineCare
0-3 years	4,833	2,539	52.5%	6,099	2,844	46.6%	7,094	3,682	51.9%	7,712	4,211	54.6%	8,038	4,387	54.6%
4-11 years	48,424	18,169	37.5%	54,091	18,608	34.4%	56,961	21,454	37.7%	57,658	22,189	38.5%	58,564	23,153	39.5%
12-18 years	47,988	14,873	31.0%	52,200	14,953	28.6%	52,917	16,178	30.6%	53,012	16,140	30.4%	52,211	16,787	32.2%
19-24 years	19,905	4,561	22.9%	21,849	4,840	22.2%	22,540	5,111	22.7%	23,214	5,244	22.6%	23,364	5,540	23.7%
25-44 years	87,070	8,628	9.9%	93,049	9,059	9.7%	91,474	9,986	10.9%	92,762	10,429	11.2%	90,345	11,039	12.2%
45-64 years	98,820	3,308	3.3%	111,543	3,863	3.5%	115,161	4,206	3.7%	121,256	4,296	3.5%	120,360	4,804	4.0%
65-74 years	8,636	364	4.2%	10,136	408	4.0%	12,009	448	3.7%	14,054	494	3.5%	14,867	515	3.5%
75 years and older	3,524	363	10.3%	4,203	416	9.9%	4,666	398	8.5%	5,255	391	7.4%	5,475	445	8.1%
Total	319,200	52,805		353,170	54,991		362,822	61,463		374,923	63,394		373,224	66,670	
Payer	2006			2007			2008			2009			2010		
Indemnity Ins.	160,038			178,645			175,416			190,114			195,991		
PPO, POS	106,357			119,532			125,788			120,800			110,190		
MaineCare	52,805			54,991			61,463			63,394			66,670		
Other							155			615			373		
Total	319,200			353,170			362,822			374,923			373,224		

Source: MHDO, CHWS, 2012. Note: Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Table 13. Number of Insured Patients and Number of MaineCare-Insured Patients Receiving at Least One Restorative Service Annually, Maine, 2006-2010

Age	2006			2007			2008			2009			2010		
	Total Insured Patients Receiving at Least 1 Restorative Service	Total MaineCare Insured Patients Receiving at Least 1 Restorative Service	% of All Patients Receiving at Least 1 Restorative Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Restorative Service	Total MaineCare Insured Patients Receiving at Least 1 Restorative Service	% of All Patients Receiving at Least 1 Restorative Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Restorative Service	Total MaineCare Insured Patients Receiving at Least 1 Restorative Service	% of All Patients Receiving at Least 1 Restorative Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Restorative Service	Total MaineCare Insured Patients Receiving at Least 1 Restorative Service	% of All Patients Receiving at Least 1 Restorative Service Who Were Insured by MaineCare	Total Insured Patients Receiving at Least 1 Restorative Service	Total MaineCare Insured Patients Receiving at Least 1 Restorative Service	% of All Patients Receiving at Least 1 Restorative Service Who Were Insured by MaineCare
0-3 years	659	420	63.7%	823	493	59.9%	842	559	66.4%	926	614	66.3%	997	690	69.2%
4-11 years	13,187	6,396	48.5%	13,899	6,303	45.3%	14,712	7,373	50.1%	14,804	7,694	52.0%	14,884	8,031	54.0%
12-18 years	15,959	5,968	37.4%	16,494	5,825	35.3%	16,352	5,926	36.2%	16,141	6,245	38.7%	15,768	6,470	41.0%
19-24 years	7,224	1,382	19.1%	7,576	1,439	19.0%	7,770	1,452	18.7%	7,904	1,687	21.3%	7,993	1,814	22.7%
25-44 years	33,704	1,675	5.0%	34,800	1,627	4.7%	34,453	1,848	5.4%	33,864	2,002	5.9%	32,375	2,096	6.5%
45-64 years	48,552	651	1.3%	53,429	659	1.2%	54,626	844	1.5%	56,725	881	1.6%	54,939	833	1.5%
65-74 years	4,578	64	1.4%	5,295	76	1.4%	6,192	90	1.5%	7,045	97	1.4%	7,190	91	1.3%
75 years and older	1,804	57	3.2%	2,198	66	3.0%	2,298	80	3.5%	2,578	64	2.5%	2,647	59	2.2%
Total	125,667	16,613		134,514	16,488		137,245	18,172		139,987	19,284		136,793	20,084	
Payer	2006			2007			2008			2009			2010		
Indemnity Ins.	65,614			70,907			69,564			73,616			74,518		
PPO, POS	43,440			47,119			49,438			46,776			42,010		
MaineCare	16,613			16,488			18,172			19,284			20,084		
Other							71			311			181		
Total	125,667			134,514			137,245			139,987			136,793		

Source: MHDO, CHWS, 2012. Note: Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Utilization of Oral Surgery Services

Oral surgeons provide a range of important dental services including difficult extractions and reconstructive or cosmetic surgery. In general, oral surgeons provide services not commonly provided in general dental practices. The use of oral surgeons for removal of wisdom teeth or third molars in the young adult population is an example of expected utilization. Children with orthodontic needs may also see an oral surgeon for removal of deciduous or primary teeth that are not naturally lost prior to having braces placed. However, the analysis of dental data in Maine revealed some utilization patterns for oral surgery services that were not expected.

The use of oral surgery services in the younger age cohorts was concerning. While some oral surgery may be necessary to correct defects of the mouth, palate, and dentition that were birth conditions, the percentage of children needing surgery for birth deformities is generally small. The high rate of oral surgery in children insured by MaineCare suggested the need for reparative services for extensive decay. Children age birth to 3 years with MaineCare insurance represented, on average, more than three-quarters of all insured children in that age group receiving oral surgery services. More than half of all children age 4 to 11 years who received an oral surgery service in any of the five years were also insured by MaineCare. Extensive decay at such young age is predictive of poor oral health outcomes over a lifetime.

In addition, more than half of all adults age 19 to 44 years who received an oral surgery service in any given year were insured by MaineCare. The need for oral surgery services suggests the presence of infection or widespread decay, which could be prevented with routine oral health care and good oral hygiene. MaineCare does not provide coverage for preventive services for the adult population. Preventive services are usually much less costly than oral surgery services and good preventive care over the long term would likely enhance oral health outcomes.

Table 14. Number of Insured Patients and Number of MaineCare-Insured Patients Receiving at Least One Oral Surgery Service Annually, Maine, 2006-2010

	2006			2007			2008			2009			2010		
Age	Total Insured Patients	Total MaineCare Insured Patients	% of All Patients Receiving at Least 1 Oral Surgery	Total Insured Patients	Total MaineCare Insured Patients	% of All Patients Receiving at Least 1 Oral Surgery	Total Insured Patients	Total MaineCare Insured Patients	% of All Patients Receiving at Least 1 Oral Surgery	Total Insured Patients	Total MaineCare Insured Patients	% of All Patients Receiving at Least 1 Oral Surgery	Total Insured Patients	Total MaineCare Insured Patients	% of All Patients Receiving at Least 1 Oral Surgery
	Receiving at Least 1 Oral Surgery Service	Receiving at Least 1 Oral Surgery Service	Service Who Were Insured by MaineCare	Receiving at Least 1 Oral Surgery Service	Receiving at Least 1 Oral Surgery Service	Service Who Were Insured by MaineCare	Receiving at Least 1 Oral Surgery Service	Receiving at Least 1 Oral Surgery Service	Service Who Were Insured by MaineCare	Receiving at Least 1 Oral Surgery Service	Receiving at Least 1 Oral Surgery Service	Service Who Were Insured by MaineCare	Receiving at Least 1 Oral Surgery Service	Receiving at Least 1 Oral Surgery Service	Service Who Were Insured by MaineCare
0-3 years	216	176	81.5%	271	211	77.9%	272	202	74.3%	294	235	79.9%	295	256	86.8%
4-11 years	4,920	2,722	55.3%	5,080	2,659	52.3%	5,464	3,037	55.6%	5,525	3,116	56.4%	5,562	3,187	57.3%
12-18 years	6,324	2,726	43.1%	7,033	2,842	40.4%	7,115	3,228	45.4%	7,354	3,484	47.4%	7,351	3,421	46.5%
19-24 years	4,092	2,397	58.6%	4,436	2,633	59.4%	4,602	2,809	61.0%	4,669	2,929	62.7%	4,653	2,983	64.1%
25-44 years	12,684	6,428	50.7%	13,518	6,849	50.7%	13,791	7,506	54.4%	14,009	8,006	57.1%	14,107	8,509	60.3%
45-64 years	10,723	2,382	22.2%	12,114	2,820	23.3%	12,523	3,144	25.1%	12,643	3,197	25.3%	13,169	3,602	27.4%
65-74 years	1,114	256	23.0%	1,224	275	22.5%	1,423	302	21.2%	1,698	322	19.0%	1,731	329	19.0%
75 years and older	663	268	40.4%	747	282	37.8%	744	265	35.6%	890	261	29.3%	899	256	28.5%
Total	40,736	17,355		44,423	18,571		45,934	20,493		47,082	21,550		47,767	22,543	
Payer	2006			2007			2008			2009			2010		
Indemnity Ins.	13,937			15,389			14,760			15,239			15,739		
PPO, POS	9,444			10,463			10,665			10,237			9,429		
MaineCare	17,355			18,571			20,493			21,550			22,543		
Other							16			56			56		
Total	40,736			44,423			45,934			47,082			44,767		

Source: MHDO, CHWS, 2012. Note: Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Chapter 3.

Medical Claims for Dental Diagnoses

In each year, 2006 to 2010, private medical insurers and MaineCare paid for services to insured patients related to a dental complaint under the patient’s medical benefit. Dental services covered by medical insurance benefits are usually related to treatment of pain and infection or for surgical interventions related to an oral condition. The analyses in the following pages describes patients with dental complaints whose treatment was paid through their medical insurance plans. For these analyses, patient files with diagnosis codes related to dental complaints were extracted from the medical claims files. The codes included in the analyses were all services coded as the following:

- CDT 520 to CDT 529 for diseases of the oral cavity, salivary glands, and jaws;
- CDT 140 to CDT 149 for malignant neoplasms of the lip, oral cavity, and pharynx; and
- CDT 210 for benign neoplasms of the lip, oral cavity, and pharynx.

Only CDT codes that were either primary or secondary diagnoses on the medical claim were included in the analyses. In each of the five years of data, more than half of the medical claims for dental conditions were for services provided to adults between age 25 and 64 years.

Table 15. Number of People in Maine by Age for Whom a Medical Insurer Paid a Claim for Services with a Dental Diagnosis, 2006-2010

Age Group	2006		2007		2008		2009		2010	
0 to 3 years	2,751	6.9%	2,854	7.4%	3,506	8.2%	3,178	7.7%	2,982	7.7%
4 to 11 years	2,061	5.2%	2,106	5.4%	2,610	6.1%	2,430	5.9%	2,513	6.5%
12 to 18 years	5,750	14.4%	5,888	15.2%	6,276	14.7%	6,094	14.8%	5,459	14.0%
19 to 24 years	5,342	13.4%	5,608	14.5%	5,681	13.3%	5,344	13.0%	4,889	12.6%
25 to 44 years	11,843	29.7%	12,260	31.6%	13,387	31.3%	12,283	29.8%	11,843	30.4%
45 to 64 years	7,546	18.9%	7,812	20.2%	8,906	20.8%	8,874	21.6%	8,563	22.0%
65 to 74 years	2,277	5.7%	1,163	3.0%	1,331	3.1%	1,670	4.1%	1,522	3.9%
75 and older	2,318	5.8%	1,063	2.7%	1,141	2.7%	1,289	3.1%	1,161	3.0%
Total Patients	39,888	100.0%	38,754	100.0%	42,838	100.0%	41,162	100.0%	38,932	100.0%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

In all years for which data were analyzed, more than 40% of patients with dental complaints for whom claims were paid through a medical insurance benefit were insured by MaineCare. PPO/POS medical insurance plans were the next most frequent payers for treatment of dental complaints under a medical insurance benefit. There was a surge in the number of patients using medical insurance for dental complaints in 2008 and 2009 with the number of patients accessing medical insurance for a dental complaint dropping in 2010 to a number comparable to the 2007 rate. However, in 2010 more of the patients who accessed medical insurance to cover treatment of a dental complaint sought care in a hospital outpatient or emergency room setting than did so in 2008 or 2009 (See Table 17, on page 55).

Table 16. Type of Medical Insurer That Paid Medical Claims for Dental Diagnosis, by Number of Unique Patients Receiving Services in Maine, 2006 to 2010

Type of Insurance	2006		2007		2008		2009		2010	
Indemnity	1,609	4.0%	1,620	4.2%	1,654	3.9%	1,447	3.5%	1,256	3.2%
PPO/ POS	10,554	26.5%	12,165	31.4%	13,690	32.0%	15,258	37.1%	14,458	37.1%
MaineCare	16,222	40.7%	18,559	47.9%	21,751	50.8%	18,794	45.7%	19,315	49.6%
Medicare Parts A & B	5,991	15.0%	1,025	2.6%	897	2.1%	765	1.9%	703	1.8%
HMO Medicare Risk	4,851	12.2%	4,722	12.2%	4,178	9.8%	4,388	10.7%	3,119	8.0%
Other	661	1.7%	663	1.7%	668	1.6%	510	1.2%	81	0.2%
Total Patients	39,888	100.0%	38,754	100.0%	42,838	100.0%	41,162	100.0%	38,932	100.0%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Most of the medical claims for dental complaints were for treatment of conditions that would best be treated in a dental office or dental clinic. In each of the five years of medical claims data, 40% or more of treatments for dental conditions related to diseases of the oral cavity, salivary glands, and jaws were provided in a dental office. Over the five-year period, the proportion of medical claims for dental treatments that occurred in a dental office setting declined from 47% in 2006 to 40% in 2010. At the same time, in each of the five years, more than 43% of dental conditions were treated in outpatient hospital settings or hospital emergency rooms where dentists may not be available and where the cost of care was typically higher than in a dental office (See Table 34, on page 74). The number of people treated in hospital emergency rooms for a primary or secondary dental complaint more than doubled from 2006 to 2010. It is assumed that in some cases the designation of hospital outpatient setting is a proxy for emergency room or urgent care facilities owned by a hospital. However, project staff was unable to verify this supposition.

Table 17. Number of Patients Treated for Primary and Secondary Dental Conditions Paid by Medical Insurance, by Place of Service, 2006-2010

CDT Code	2006			2007			2008			2009			2010		
	Primary DX	2ndary DX	Total Patients & % of Total	Primary DX	2ndary DX	Total Patients & % of Total	Primary DX	2ndary DX	Total Patients & % of Total	Primary DX	2ndary DX	Total Patients & % of Total	Primary DX	2ndary DX	Total Patients & % of Total
Diseases of Oral Cavity, Salivary Glands, and Jaws (CDT 520-529)															
Total	34,569	19,708	54,277	34,508	19,111	53,619	37,594	18,820	56,414	35,677	18,915	54,592	33,503	19,532	53,035
Dental Office	15,779	9,846	47.2%	14,240	9,016	43.4%	15,656	8,577	43.0%	15,016	8,873	43.8%	13,174	7,984	39.9%
FQHC	389	41	0.8%	1,350	132	2.8%	1,334	180	2.7%	1,556	215	3.2%	971	122	2.1%
Outpatient Hospital	15,256	8,079	43.0%	15,412	8,405	44.4%	16,949	8,567	45.2%	15,585	8,302	43.8%	14,263	8,902	43.7%
Inpatient Hospital	314	198	0.9%	280	172	0.8%	230	173	0.7%	278	185	0.8%	241	185	0.8%
Emergency Room Hospital	732	466	2.2%	1,366	509	3.5%	1,699	524	3.9%	1,548	583	3.9%	1,885	945	5.3%
Skilled Nursing Facility	67	41	0.2%	15	13	0.1%	16	16	0.1%	39	31	0.1%	36	27	0.1%
Clinic	1,022	477	2.8%	1,072	395	2.7%	900	334	2.2%	846	255	2.0%	1,733	491	4.2%
POS Not Specified	1,010	560	2.9%	773	469	2.3%	810	449	2.2%	809	471	2.3%	1,200	876	3.9%
Total	54,277		100.0%	53,619		100.0%	56,414		100.0%	54,592		100.0%	53,035		100.0%
Malignant Neoplasms															
Total	984	641	1,625	761	544	1,305	909	533	1,442	896	595	1,491	771	510	1,281
Dental Office	388	251	39.3%	163	142	23.4%	193	129	22.3%	179	149	22.0%	169	131	23.4%
FQHC	2	1	0.2%	14	1	1.1%	8	6	1.0%	7	7	0.9%	3	3	0.5%
Outpatient Hospital	432	256	42.3%	362	261	47.7%	484	266	52.0%	491	315	54.1%	407	265	52.5%
Inpatient Hospital	51	34	5.2%	69	45	8.7%	69	45	7.9%	60	39	6.6%	48	27	5.9%
Emergency Room Hospital	0	1	0.1%	8	7	1.1%	6	8	1.0%	4	5	0.6%	6	7	1.0%
Skilled Nursing Facility	12	11	1.4%	2	5	0.5%	3	6	0.6%	4	3	0.5%	0	1	0.1%
Clinic	10	11	1.3%	12	7	1.5%	11	11	1.5%	13	5	1.2%	14	6	1.6%
POS Not Specified	89	76	10.2%	131	76	15.9%	135	62	13.7%	138	72	14.1%	124	70	15.1%
Total	1,625		100.0%	1,305		100.0%	1,442		100.0%	1,491		100.0%	1,281		100.0%
Benign Neoplasms															
Total	1,830	924	2,754	1,465	814	2,279	1,679	886	2,565	1,739	870	2,609	1,490	696	2,186
Dental Office	1,220	655	68.1%	651	396	45.9%	696	434	44.1%	688	408	42.0%	565	307	39.9%
FQHC	1	0	0.0%	4	0	0.2%	11	2	0.5%	4	1	0.2%	2		0.1%
Outpatient Hospital	434	201	23.1%	544	281	36.2%	731	332	41.4%	784	323	42.4%	669	257	42.4%
Inpatient Hospital	70	14	3.1%	30	17	2.1%	24	10	1.3%	27	15	1.6%	24	15	1.8%
Emergency Room Hospital	0	1	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	0.1%
Skilled Nursing Facility	0	0	0.0%	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Clinic	9	3	0.4%	3	0	0.1%	6	2	0.3%	3	4	0.3%	4	1	0.2%
POS Not Specified	96	50	5.3%	232	120	15.4%	211	106	12.4%	233	119	13.5%	225	115	15.6%
Total	2,754		100.0%	2,279		100.0%	2,565		100.0%	2,609		100.0%	2,186		100.0%

Source: MDHO, CHWS, 2012. Notes: These data may contain some duplicate patients if a patient sought care for a dental complaint in more than one setting under his medical benefit. Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Adults between age 19 and 64 years were the most likely to receive services in hospital outpatient settings for a primary or secondary dental complaint with treatment paid by their medical insurance carriers.

Table 18. Percent of all Patients Seeking Care for Dental Complaints under a Medical Insurance Benefit in a Hospital Outpatient Setting, by Type of Complaint, Maine, 2006-2010

CDT	2006						2007						2008					
	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals
Dentofacial anomalies (inc. malocclusion)	927	14.5%	55.3%	15.9%	14.3%	100.0%	788	15.7%	58.5%	20.8%	4.9%	100.0%	825	18.3%	57.1%	19.4%	5.2%	100.0%
Diseases of the tongue	427	14.8%	25.8%	35.8%	23.7%	100.0%	419	17.7%	24.8%	44.6%	12.9%	100.0%	446	19.3%	28.3%	35.0%	17.5%	100.0%
Diseases of the hard tissue of the teeth	4,838	20.9%	61.4%	15.7%	2.0%	100.0%	5,585	21.0%	60.8%	16.7%	1.5%	100.0%	6,028	24.1%	58.3%	16.1%	1.5%	100.0%
Diseases of the periapical tissues	4,714	9.8%	68.5%	18.8%	2.9%	100.0%	4,877	9.9%	70.3%	18.2%	1.5%	100.0%	4,869	11.4%	67.5%	19.3%	1.8%	100.0%
Diseases of the jaw	1,398	9.5%	50.9%	22.1%	17.5%	100.0%	1,405	14.2%	46.3%	29.0%	10.5%	100.0%	1,352	12.7%	49.7%	27.7%	9.8%	100.0%
Diseases of the soft tissues	2,371	24.2%	31.0%	26.9%	17.9%	100.0%	2,460	20.5%	32.7%	34.1%	12.7%	100.0%	2,620	24.1%	32.3%	31.9%	11.7%	100.0%
Diseases of the salivary glands	797	13.8%	24.7%	35.6%	25.8%	100.0%	830	12.8%	30.5%	40.7%	16.0%	100.0%	887	15.8%	28.7%	38.0%	17.5%	100.0%
Disorders of tooth development/eruption	937	73.1%	24.8%	1.4%	0.7%	100.0%	1,051	72.3%	26.0%	1.7%	0.0%	100.0%	1,095	74.4%	23.7%	1.6%	0.3%	100.0%
Gingival and periodontal diseases	1,268	10.9%	54.4%	28.8%	5.9%	100.0%	1,341	9.7%	56.7%	30.4%	3.2%	100.0%	1,937	7.8%	51.8%	36.7%	3.7%	100.0%
Other diseases of the teeth/supporting structures	5,658	11.0%	73.4%	13.8%	1.8%	100.0%	5,061	10.7%	73.7%	14.4%	1.1%	100.0%	5,457	9.7%	73.1%	15.6%	1.6%	100.0%
Total	23,335	16.8%	58.0%	18.6%	6.5%	100.0%	23,817	17.2%	58.2%	20.6%	4.0%	100.0%	25,516	18.4%	56.5%	21.0%	4.1%	100.0%
CDT	2009						2010						Five Year Average					
	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Average # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals
Dentofacial anomalies (inc. malocclusion)	828	17.6%	57.7%	19.1%	5.6%	100.0%	781	17.0%	53.5%	19.8%	9.6%	100.0%	830	16.6%	56.4%	18.9%	8.1%	100.0%
Diseases of the tongue	534	18.2%	24.9%	38.8%	18.2%	100.0%	563	12.4%	24.7%	43.7%	19.2%	100.0%	478	16.3%	25.6%	39.7%	18.3%	100.0%
Diseases of the hard tissue of the teeth	5,352	26.2%	55.4%	16.7%	1.7%	100.0%	4,901	30.4%	50.9%	17.1%	1.7%	100.0%	5,341	24.4%	57.4%	16.5%	1.7%	100.0%
Diseases of the periapical tissues	4,334	10.3%	68.4%	19.4%	1.9%	100.0%	3,800	10.0%	68.5%	19.6%	2.0%	100.0%	4,519	10.3%	68.6%	19.0%	2.0%	100.0%
Diseases of the jaw	1,367	13.5%	48.4%	27.8%	10.3%	100.0%	1,169	12.8%	46.4%	30.2%	10.5%	100.0%	1,338	12.5%	48.4%	27.3%	11.8%	100.0%
Diseases of the soft tissues	2,697	24.0%	30.0%	31.2%	14.9%	100.0%	2,616	26.2%	32.9%	28.3%	12.6%	100.0%	2,553	23.8%	31.8%	30.5%	13.9%	100.0%
Diseases of the salivary glands	1,049	12.3%	34.7%	32.7%	20.3%	100.0%	862	14.2%	27.5%	34.3%	24.0%	100.0%	885	13.7%	29.5%	36.1%	20.7%	100.0%
Disorders of tooth development/eruption	1,100	78.0%	20.4%	1.4%	0.3%	100.0%	986	79.3%	18.3%	2.1%	0.3%	100.0%	1,034	75.4%	22.6%	1.6%	0.3%	100.0%
Gingival and periodontal diseases	1,729	8.0%	53.8%	33.2%	5.0%	100.0%	1,467	7.7%	53.4%	33.7%	5.1%	100.0%	1,548	8.7%	53.8%	33.0%	4.5%	100.0%
Other diseases of the teeth/supporting structures	4,897	9.7%	72.0%	16.9%	1.4%	100.0%	6,020	8.9%	74.9%	14.9%	1.3%	100.0%	5,419	10.0%	73.5%	15.1%	1.5%	100.0%
Total	23,887	18.9%	54.6%	21.3%	5.2%	100.0%	23,165	19.2%	55.1%	20.7%	5.0%	100.0%	23,944	18.1%	56.5%	20.4%	4.9%	100.0%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Again, with few exceptions, adults between age 19 and 64 years represented the patients most often seeking care for a primary or secondary dental diagnosis in hospital emergency rooms between 2006 and 2010.

Table 19. Percent of all Patients Seeking Care for Dental Complaints under a Medical Insurance Benefit in a Hospital Emergency Room Setting, by Type of Complaint, Maine, 2006-2010

CDT	2006						2007						2008					
	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals
Dentofacial anomalies (inc. malocclusion)	29	13.8%	55.2%	13.8%	17.2%	100.0%	46	8.7%	60.9%	26.1%	4.3%	100.0%	62	6.5%	51.6%	22.6%	19.4%	100.0%
Diseases of the tongue	23	0.0%	30.4%	47.8%	21.7%	100.0%	32	12.5%	40.6%	12.5%	34.4%	100.0%	28	25.0%	28.6%	25.0%	21.4%	100.0%
Diseases of the hard tissue of the teeth	185	3.8%	71.9%	20.0%	4.3%	100.0%	220	9.1%	75.5%	15.5%	0.0%	100.0%	307	7.2%	71.7%	19.9%	1.3%	100.0%
Diseases of the periapical tissues	268	5.2%	57.1%	25.4%	12.3%	100.0%	352	9.4%	58.2%	31.0%	1.4%	100.0%	469	5.5%	64.6%	27.1%	2.8%	100.0%
Diseases of the jaw	160	18.1%	44.4%	18.8%	18.8%	100.0%	235	18.3%	53.6%	19.6%	8.5%	100.0%	259	22.0%	42.9%	20.8%	14.3%	100.0%
Diseases of the soft tissues	141	16.3%	38.3%	21.3%	24.1%	100.0%	260	10.0%	44.6%	18.1%	27.3%	100.0%	153	19.0%	45.8%	16.3%	19.0%	100.0%
Diseases of the salivary glands	27	11.1%	25.9%	14.8%	48.1%	100.0%	82	11.0%	22.0%	25.6%	41.5%	100.0%	80	10.0%	28.8%	27.5%	33.8%	100.0%
Disorders of tooth development/eruption	24	75.0%	20.8%	0.0%	4.2%	100.0%	40	67.5%	32.5%	0.0%	0.0%	100.0%	59	62.7%	35.6%	1.7%	0.0%	100.0%
Gingival and periodontal diseases	41	7.3%	41.5%	36.6%	14.6%	100.0%	48	8.3%	56.3%	20.8%	14.6%	100.0%	59	13.6%	44.1%	18.6%	23.7%	100.0%
Other diseases of the teeth/supporting structures	300	6.3%	60.7%	24.7%	8.3%	100.0%	560	10.2%	74.1%	14.6%	1.1%	100.0%	702	7.7%	77.4%	14.0%	1.0%	100.0%
Total	1,198	10.0%	53.8%	22.8%	13.4%	100.0%	1,875	12.1%	60.1%	19.5%	8.3%	100.0%	2,178	11.6%	62.3%	19.3%	6.8%	100.0%
CDT	2009						2010						Five Year Average					
	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	Total # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals	% Year Average # of Patients	0-18 years	19-44 years	45-64 years	65 years and older	Totals
Dentofacial anomalies (inc. malocclusion)	41	17.1%	46.3%	19.5%	17.1%	100.0%	66	6.1%	62.1%	16.7%	15.2%	100.0%	49	9.4%	55.7%	20.1%	14.8%	100.0%
Diseases of the tongue	25	36.0%	8.0%	4.0%	52.0%	100.0%	35	20.0%	17.1%	31.4%	31.4%	100.0%	29	18.9%	25.2%	23.8%	32.2%	100.0%
Diseases of the hard tissue of the teeth	301	7.6%	74.4%	15.9%	2.0%	100.0%	498	5.2%	78.1%	15.5%	1.2%	100.0%	302	6.5%	74.9%	17.0%	1.6%	100.0%
Diseases of the periapical tissues	459	7.4%	66.4%	21.4%	4.8%	100.0%	599	6.8%	63.6%	24.9%	4.7%	100.0%	429	6.9%	62.7%	25.7%	4.7%	100.0%
Diseases of the jaw	271	21.8%	47.6%	18.5%	12.2%	100.0%	231	16.0%	58.0%	16.9%	9.1%	100.0%	231	19.5%	49.4%	18.9%	12.2%	100.0%
Diseases of the soft tissues	203	17.7%	23.2%	19.7%	39.4%	100.0%	228	20.6%	25.9%	19.7%	33.8%	100.0%	197	16.3%	35.1%	19.0%	29.5%	100.0%
Diseases of the salivary glands	93	9.7%	28.0%	24.7%	37.6%	100.0%	96	9.4%	17.7%	30.2%	42.7%	100.0%	76	10.1%	24.1%	26.2%	39.7%	100.0%
Disorders of tooth development/eruption	60	66.7%	33.3%	0.0%	0.0%	100.0%	61	49.2%	47.5%	3.3%	0.0%	100.0%	49	62.3%	36.1%	1.2%	0.4%	100.0%
Gingival and periodontal diseases	40	25.0%	32.5%	15.0%	27.5%	100.0%	56	12.5%	44.6%	32.1%	10.7%	100.0%	49	13.1%	44.3%	24.6%	18.0%	100.0%
Other diseases of the teeth/supporting structures	638	10.0%	71.8%	15.0%	3.1%	100.0%	960	5.7%	73.1%	18.9%	2.3%	100.0%	632	7.9%	72.8%	16.8%	2.5%	100.0%
Total	2,131	13.7%	58.3%	17.4%	10.7%	100.0%	2,830	9.3%	63.0%	19.9%	7.8%	100.0%	2,042	11.3%	60.3%	19.5%	9.0%	100.0%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations

Chapter 4.

Providers of Oral Health Care

As indicated earlier, it was not possible given the structure of the data files to report exactly the number of unique providers with addresses in Maine who supplied dental services to patients. There were more unique provider identifiers in each annual data file than licensed dental professionals in Maine for each year. One explanation may be that billing entities and group practices used unique identifiers in billing that differed from the unique identifiers assigned to individual dentists working within the practice or entity. As a result, services provided by a particular dentist might be billed using any of the appropriate assigned identifiers for the individual, practice, or entity. The following table provides summary data about oral health providers in the file with Maine zip codes for each year analyzed for the study.

Dentists, dental hygienists, and denturists were the usual providers of dental services that were paid by dental insurance benefits. Medical providers, including pediatricians, family doctors, and other medical personnel are permitted to perform oral health assessments and apply fluoride varnish to patients' teeth if trained to do so. The number of medical providers billing for a dental service increased substantially over the five-year period. In 2010, 56 unique medical providers billed dental insurance for a dental service to patients.

Table 20. Number of Unique Provider Identifiers of Oral Health Providers with Zip Codes in Maine, by Type of Provider, Dental Insurance Claims, Maine, 2006-2010

Provider Type	2006	2007	2008	2009	2010
General Dentist	1,524	1,837	1,316	1,047	1,187
Oral Surgeon	283	387	334	385	414
Periodontist	10	6	6	6	5
Prosthodontist	9	11	14	15	13
Endodontist	9	8	10	7	8
Pediatric Dentist	8	21	15	8	11
Medical	23	22	27	16	56
Clinic	130	109	50	38	17
Emergency Medicine			1	0	1
Dental Hygienist	61	55	51	46	42
Denturist	12	17	26	23	21
Specialty inconsistent with Dental Services	234	184	110	90	151
<i>Total # Providers</i>	<i>2,303</i>	<i>2,657</i>	<i>1,960</i>	<i>1,681</i>	<i>1,926</i>

Source: MHDO, CHWS, 2012

Providers Serving MaineCare Patients

An analysis of MaineCare claims by provider proved more successful possibly because MaineCare as a single payer entity required consistent provider identifiers across the five-year period. The number of providers offering services to MaineCare patients from 2006 to 2010 appeared to be consistent with historical published data about the number of dentists participating with the MaineCare program. The Maine Dental Association provided data on the number of licensed dentists in Maine in 2006 (650 dentists), 2007 (663 dentists), 2008 (627 dentists), and 2009 (671 dentists). Thus, in 2006, 54.8% of dentists licensed in Maine provided at least one dental service for a MaineCare patient. In 2007, 53.2%, in 2008, 55.3%, and in 2009, 53.5% of dentists in Maine served at least one MaineCare-insured patient. It was not possible to further describe dentists in the following table as general or specialty dentists because of limitations in the structure of the variables in the data files. The number of dental hygienists who billed MaineCare directly for services declined by 25.8% between 2006 and 2010. Only dental hygienists working under public health supervision status were permitted to bill MaineCare directly during this period.

Table 21. Number of Oral Health Professionals in Maine Who Provided a Dental Service to a MaineCare Patient and Billed MaineCare Directly for Services, 2006-2010

Provider Type	2006	2007	2008	2009	2010
Dentist	356	353	347	359	368
Dental Hygienist	58	50	46	43	43
Denturist	9	11	17	18	14
Specialty Inconsistent with Dental Services	3	1	2	1	21
<i>Total # Providers</i>	426	415	412	421	446

Source: MHDO, CHWS, 2012

Providers exhibited various levels of participation with the MaineCare Program. From 2006 to 2010, more than 40% of all providers (dentists, dental hygienists, and denturists) treated more than one hundred patients insured by MaineCare while more than 35% of all providers treated 50 or fewer MaineCare-insured patients in each year.

Table 22. Number of Providers by Number of Patients with MaineCare Served Annually, 2006-2010

Number of Patients Seen by Each Provider	2006		2007		2008		2009		2010	
	# of Providers	% of All MaineCare Participating Providers	# of Providers	% of All MaineCare Participating Providers	# of Providers	% of All MaineCare Participating Providers	# of Providers	% of All MaineCare Participating Providers	# of Providers	% of All MaineCare Participating Providers
1 to 10 patients	72	18.0%	43	11.2%	57	14.7%	51	13.0%	86	17.1%
11 to 50 patients	95	23.7%	91	23.8%	95	24.5%	101	25.8%	132	26.3%
51 to 100 patients	65	16.2%	65	17.0%	57	14.7%	60	15.3%	71	14.1%
101 to 250 patients	60	15.0%	59	15.4%	56	14.5%	66	16.9%	72	14.3%
251 or more patients	109	27.2%	125	32.6%	122	31.5%	113	28.9%	141	28.1%
<i>Total # Providers</i>	401	100.0%	383	100.0%	387	100.0%	391	100.0%	502	100.0%

Source: MHDO, CHWS, 2012. Notes: These tabulations include all oral health professionals providing services to patients. The number of providers differs from the table above due to missing information in the variables used in this cross tabulation.

On average, dentists in Maine provided more than one half million dental services annually to MaineCare-insured patients. The mean payment for each service was \$58. Total MaineCare reimbursement to dentists increased in each of the five years. In 2010, dentists provided about one-third more services to MaineCare-insured patients than in 2006 and total MaineCare reimbursement to dentists was about 40% higher than in 2006. The mean payment per service to dentists increased from \$54 in 2006 to \$58 in 2010.

The number of dental hygiene services provided to patients decreased from 2006 by about 19% in 2010. During the time period, only dental hygienists working under public health supervision status were permitted to bill MaineCare for services to patients. The contributions of independent practice dental hygienists are therefore not included in these tabulations.

Denturists provided more services in 2006 than in 2010, but the average payment for services in 2010 was lower than in 2006.

Table 23. Number of Services Provided to Patients and MaineCare Payment for Services, by Type of Provider, 2006-2010

Type of Provider	2006			2007			2008		
	# Claim Lines	Total Payment	Mean Payment	# Claim Lines	Total Payment	Mean Payment	# Claim Lines	Total Payment	Mean Payment
General Dentist	444,529	\$24,167,878	\$54	479,745	\$27,941,148	\$58	503,074	\$29,238,463	\$58
Dental Hygienist	41,676	\$855,257	\$21	55,176	\$997,747	\$18	54,569	\$1,007,816	\$18
Denturist	1,174	\$202,262	\$172	1,839	\$341,134	\$150	1,868	\$331,376	\$177
Type of Provider	2009			2010			Five Year Average		
	# Claim Lines	Total Payment	Mean Payment	# Claim Lines	Total Payment	Mean Payment	# Claim Lines	Total Payment	Mean Payment
General Dentist	548,205	\$33,653,576	\$61	585,541	\$33,975,486	\$58	512,219	\$29,795,310	\$58
Dental Hygienist	48,631	\$992,224	\$20	33,867	\$719,567	\$21	46,784	\$914,522	\$20
Denturist	2,261	\$351,779	\$156	3,391	\$359,359	\$106	2,107	\$317,182	\$151

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

As expected, providers who treated more patients on average also provided a higher volume of dental services, on average, to MaineCare patients. In each of the five years, more than 85% of total dental MaineCare payments went to providers who treated 251 or more MaineCare-insured patients in their practices.

Table 24. MaineCare Participating Providers by Volume of Patients and Services, Maine, 2006-2010

Number of Patients Seen by Provider	2006						2007					
	# of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment	# of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment
1 to 10 patients	72	1,006	14	\$52,232	0.2%	\$52	43	668	16	\$36,336	0.1%	\$54
11 to 50 patients	95	11,017	116	\$532,493	2.1%	\$48	91	11,137	122	\$482,904	1.7%	\$43
51 to 100 patients	65	20,212	311	\$796,920	3.1%	\$39	65	24,041	370	\$909,885	3.1%	\$38
101 to 250 patients	60	49,347	822	\$2,272,078	9.0%	\$46	59	42,804	725	\$2,183,441	7.5%	\$51
251 or more patients	109	405,824	3,723	\$21,655,825	85.6%	\$53	125	458,166	3,665	\$25,567,463	87.6%	\$56
Total	401	487,406	1,215	\$25,309,548	100.0%	\$52	383	536,816	1,402	\$29,180,029	100.0%	\$55
Number of Patients Seen by Provider	2008						2009					
	# of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment	# of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment
1 to 10 patients	57	716	13	\$47,844	0.2%	\$67	51	675	13	\$52,283	0.1%	\$77
11 to 50 patients	95	10,260	108	\$547,944	1.8%	\$53	101	11,417	113	\$632,697	1.8%	\$55
51 to 100 patients	57	19,585	344	\$814,026	2.7%	\$42	60	20,899	348	\$848,750	2.4%	\$41
101 to 250 patients	56	42,502	759	\$2,214,043	7.2%	\$52	66	46,965	712	\$3,059,928	8.7%	\$65
251 or more patients	122	486,451	3,987	\$26,954,018	88.1%	\$55	113	519,247	4,595	\$30,428,807	86.9%	\$59
Total	387	559,514	1,446	\$30,577,875	100.0%	\$55	391	599,203	1,532	\$35,022,465	100.0%	\$58
Number of Patients Seen by Provider	2010						Five Year Average					
	# of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment	Mean # of Providers	# Claim Lines	Mean # Claim Lines/ Provider	Total Payment	% of Total Annual Payment	Mean Payment
1 to 10 patients	86	851	10	\$57,790	0.2%	\$68	62	783	13	\$49,297	0.2%	\$63
11 to 50 patients	132	14,922	113	\$862,111	2.4%	\$58	103	11,751	114	\$611,630	2.0%	\$52
51 to 100 patients	71	23,078	325	\$1,007,419	2.8%	\$44	64	21,563	339	\$875,400	2.8%	\$41
101 to 250 patients	72	52,492	729	\$3,186,242	8.9%	\$61	63	46,822	748	\$2,583,146	8.3%	\$55
251 or more patients	141	534,423	3,790	\$30,857,421	85.8%	\$58	122	480,822	3,941	\$27,092,707	86.8%	\$56
Total	502	625,766	1,247	\$35,970,983	100.0%	\$57	413	561,741	1,361	\$31,212,180	100.0%	\$56

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Chapter 5.

Settings: Dental Claims Files

The following table shows the number of unique patients in the dental claims files by the location where they received oral health services. In each of the five years, patients with dental insurance were mainly treated in dental offices. One notable difference between these data and the medical claims data was the small number of patients receiving services in hospital outpatient or emergency room settings for care covered by dental insurance. These data likely reflect more appropriate patient utilization than the medical claims data. Surgical procedures would sometimes occur in either outpatient or inpatient hospital settings but many dentists have well equipped operatories that permit them to perform most dental surgical procedures in office settings.

Table 25. Number of Patients in the Dental Claims Files Treated Annually by Setting of Oral Health Service in Maine, 2006-2010

	2006	% of All Patient Encounters	2007	% of All Patient Encounters	2008	% of All Patient Encounters	2009	% of All Patient Encounters	2010	% of All Patient Encounters
Office	360,146	97.1%	407,488	96.3%	421,458	96.4%	431,885	96.4%	408,429	96.7%
FQHCs	10,641	2.9%	14,924	3.5%	15,116	3.5%	15,428	3.4%	13,103	3.1%
Outpatient Hospital	55	0.0%	677	0.2%	593	0.1%	314	0.1%	573	0.1%
Inpatient Hospital	9	0.0%	24	0.0%	63	0.0%	396	0.1%	128	0.0%
Skilled Nursing Facility		0.0%	1	0.0%	1	0.0%		0.0%	48	0.0%
ER		0.0%		0.0%	5	0.0%	5	0.0%	105	0.0%
Totals	370,851	100.0%	423,114	100.0%	437,236	100.0%	448,028	100.0%	422,386	100.0%

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations. There may be some overlap in patient counts across places of service if, for instance, a patient received a dental service in an office and also in an outpatient hospital setting. Since the number of patients receiving dental care in settings other than offices and clinics was relatively small in the dental claims files, the amount of probable overlap is likely quite small.

In the following charts which describe payment by dental insurers for diagnostic, preventive, restorative, and oral surgery services in different settings, payments to FQHCs for dental services are not enumerated. FQHCs are safety net providers that are paid by MaineCare for dental services on a patient encounter rate regardless of the type of service performed. Patient services that occurred in FQHCs were often billed in the dental data with codes such as “FQH3” rather than with common dental terminology (CDT). These cross tabulations were based on CDT codes being allocated to a type of dental service like preventive, diagnostic, etc., so it was not possible to distribute care in clinics by the various dental conditions.

Each FQHC negotiates a payment rate with MaineCare based on a calculation that includes historical costs to provide services. This payment methodology has both advantages and disadvantages. In some cases, an encounter rate may cover the real cost of providing a dental service like dental prophylaxis or a simple restoration. However, the cost of providing more expensive dental procedures, particularly restorative and surgical procedures, could exceed the negotiated reimbursement for the encounter.

The following table includes all dental claims paid by public and private dental insurance carriers. Mean payments for diagnostic, preventive, restorative, and oral surgery services increased annually over the five-year period.

Table 26. Annual Dental Claims Payments and Number of Services Provided, by Type of Dental Service, Maine, 2006-2010

Type of Service	2006			2007			2008		
	Claim Lines	Payment	Mean Payment	Claim Lines	Payment	Mean Payment	Claim Lines	Payment	Mean Payment
Diagnostic									
Office	756,788	\$29,758,095	\$39	882,326	\$35,989,325	\$41	863,527	\$35,303,239	\$41
FQHC	1	\$0	\$0	1	\$0	\$0	7,469	\$0	\$0
Outpatient Hospital	602	\$8,047	\$13	674	\$9,292	\$14	755	\$9,915	\$13
Preventive									
Office	662,239	\$34,483,550	\$52	783,913	\$41,289,294	\$53	775,891	\$40,804,720	\$53
FQHC	1	\$0	\$0	3	\$0	\$0	3,573	\$0	\$0
Outpatient Hospital	488	\$12,818	\$26	714	\$16,500	\$23	839	\$15,693	\$19
Restorative									
Office	339,132	\$45,234,767	\$133	375,442	\$53,633,908	\$143	351,534	\$51,271,374	\$146
FQHC	0	\$0	\$0	2	\$0	\$0	1,632	\$0	\$0
Outpatient Hospital	1,604	\$144,161	\$90	1,850	\$165,224	\$89	2,086	\$192,963	\$93
Oral Surgery									
Office	113,807	\$12,946,220	\$114	128,030	\$14,711,608	\$115	129,151	\$14,714,820	\$114
FQHC	3	\$0	\$0	3	\$0	\$0	826	\$0	\$0
Outpatient Hospital	287	\$51,976	\$181	404	\$55,866	\$138	417	\$32,510	\$78
Total	1,874,952	\$122,639,634		2,173,362	\$145,871,017		2,137,700	\$142,345,234	
Type of Service	2009			2010			Five Year Average		
	Claim Lines	Payment	Mean Payment	Claim Lines	Payment	Mean Payment	Claim Lines	Payment	Mean Payment
Diagnostic									
Office	887,926	\$34,882,258	\$39	894,482	\$38,693,611	\$43	857,010	\$34,925,306	\$41
FQHC	4,930	\$0	\$0	160	\$0	\$0	2,512	\$0	\$0
Outpatient Hospital	133	\$1,756	\$13	114	\$3,736	\$33	456	\$6,549	\$14
Preventive									
Office	775,530	\$39,119,757	\$50	766,021	\$44,553,903	\$58	752,719	\$40,050,245	\$53
FQHC	2,051	\$0	\$0	32	\$0	\$0	1,132	\$0	\$0
Outpatient Hospital	172	\$6,363	\$37	254	\$6,700	\$26	493	\$11,615	\$24
Restorative									
Office	354,509	\$50,256,593	\$142	344,595	\$55,258,527	\$160	353,042	\$51,131,034	\$145
FQHC	922	\$0	\$0	42	\$0	\$0	520	\$0	\$0
Outpatient Hospital	372	\$35,865	\$96	734	\$71,066	\$97	1,329	\$121,856	\$92
Oral Surgery									
Office	134,733	\$15,288,218	\$113	124,830	\$16,536,910	\$132	126,110	\$14,839,555	\$118
FQHC	498	\$0	\$0	14	\$0	\$0	269	\$0	\$0
Outpatient Hospital	345	\$26,658	\$77	398	\$39,525	\$99	370	\$41,307	\$112
Total	2,162,121	\$141,127,466		2,131,676	\$141,127,466		2,095,962	\$141,127,466	

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

The following table shows total payments by dental insurers for dental services by the setting in which the services were provided. In all five years, more than 94% of dental insurance payments were for services provided in dental offices.

Table 27. Total Annual Payments by Dental Insurance Carriers by Setting in Which the Services Were Provided, Maine, 2006-2010

Setting Where Dental Service Was Provided	# Claim Lines	Total Paid	% of Total Annual Payment	Mean Payment	# Claim Lines	Total Paid	% of Total Annual Payment	Mean Payment	# Claim Lines	Total Paid	% of Total Annual Payment	Mean Payment
Year	2006				2007				2008			
Dental Office	2,049,273	\$154,653,076	96.5%	\$75	2,366,319	\$184,348,705	97.1%	\$78	2,298,822	\$179,131,236	97.4%	\$78
Federally Qualified Health Center	34,519	\$4,281,891	2.7%	\$124	38,024	\$4,813,587	2.5%	\$127	46,173	\$4,148,046	2.3%	\$90
Outpatient Hospital	3,691	\$264,501	0.2%	\$72	4,580	\$306,980	0.2%	\$67	5,010	\$308,263	0.2%	\$62
Other	15,495	\$1,044,718	0.7%	\$67	5,606	\$371,862	0.2%	\$66	6,262	\$411,309	0.2%	\$66
Totals	2,102,978	\$160,244,186	100.0%	\$76	2,414,529	\$189,841,134	100.0%	\$79	2,356,267	\$183,998,854	100.0%	\$78
Year	2009				2010				Five Year Average			
Dental Office	2,325,145	\$177,043,979	97.2%	\$76	2,294,416	\$195,335,822	94.5%	\$85	2,266,795	\$178,102,564	96.5%	\$79
Federally Qualified Health Center	42,507	\$4,375,043	2.4%	\$103	24,849	\$3,326,883	1.6%	\$134	37,214	\$4,189,090	2.3%	\$113
Outpatient Hospital	1,392	\$83,795	0.0%	\$60	2,018	\$147,789	0.1%	\$73	3,338	\$222,266	0.1%	\$67
Other	7,192	\$604,720	0.3%	\$84	174,729	\$7,858,416	3.8%	\$45	41,857	\$2,058,205	1.1%	\$49
Totals	2,376,236	\$182,107,537	100.0%	\$77	2,496,012	\$206,668,910	100.0%	\$83	2,349,204	\$184,572,124	100.0%	\$79

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Settings: Medical Claims Files

The annual medical claims files were also analyzed to understand the settings where patients with primary or secondary dental complaints were being treated. Dental services in the medical claims files mainly occurred in hospital outpatient settings including emergency rooms. While treatment in those settings would be appropriate for surgical patients or others with serious infections, dental care is best accessed in a dental operatory in a practice or clinic equipped to serve patients.

One other important consideration is the cost of dental care when it is provided in non-traditional settings like hospitals. On average, treatment for dental complaints in hospital outpatient settings was more than twice as expensive as treatment in dental offices.

Table 28. Medical Insurance Payments for Treatment of Dental Complaints in Maine, by Setting Where Care was Delivered, 2006-2010

Setting Where Service Was Provided	2006					2007					2008				
	Number of Claim Lines	% of Total	Payment	% of Total	Mean Payment	Number of Claim Lines	% of Total	Payment	% of Total	Mean Payment	Number of Claim Lines	% of Total	Payment	% of Total	Mean Payment
Dental Office	71,268	38.0%	\$4,017,774	22.5%	\$56	72,288	39.7%	\$4,480,811	22.1%	\$62	69,125	38.6%	\$5,165,477	23.8%	\$75
Ambulatory Surgery Center	65	0.0%	\$2,933	0.0%	\$45	162	0.1%	\$56,516	0.3%	\$349	8	0.0%	\$2,750	0.0%	\$344
Clinic	2,254	1.2%	\$164,094	0.9%	\$73	1,660	0.9%	\$178,763	0.9%	\$108	1,399	0.8%	\$106,345	0.5%	\$76
Federally Qualified Health Center	686	0.4%	\$68,321	0.4%	\$100	1,841	1.0%	\$195,021	1.0%	\$106	1,869	1.0%	\$185,791	0.9%	\$99
Hospital Emergency Room	5,051	2.7%	\$143,999	0.8%	\$29	2,881	1.6%	\$155,793	0.8%	\$54	2,738	1.5%	\$123,645	0.6%	\$45
Hospital Outpatient	90,327	48.2%	\$9,416,754	52.6%	\$104	92,745	50.9%	\$12,313,266	60.7%	\$133	91,809	51.3%	\$12,841,083	59.1%	\$140
Hospital Inpatient	7,114	3.8%	\$3,261,479	18.2%	\$458	4,320	2.4%	\$2,463,679	12.1%	\$570	4,320	2.4%	\$2,754,623	12.7%	\$638
Hospital, Other	663	0.4%	\$40,979	0.2%	\$62	376	0.2%	\$11,814	0.1%	\$31	618	0.3%	\$19,638	0.1%	\$32
Home	3,134	1.7%	\$242,171	1.4%	\$77	2,204	1.2%	\$223,559	1.1%	\$101	2,968	1.7%	\$266,837	1.2%	\$90
Skilled Nursing Facility	621	0.3%	\$266,948	1.5%	\$430	272	0.1%	\$67,430	0.3%	\$249	148	0.1%	\$120,859	0.6%	\$817
Special Facility	1,490	0.8%	\$172,975	1.0%	\$116	279	0.2%	\$54,241	0.3%	\$194	579	0.3%	\$54,144	0.2%	\$94
Independent Laboratory	2,860	1.5%	\$40,146	0.2%	\$14	2,396	1.3%	\$51,037	0.3%	\$21	2,473	1.4%	\$53,458	0.2%	\$22
Other	1,809	1.0%	\$53,197	0.3%	\$29	815	0.4%	\$42,466	0.2%	\$52	853	0.5%	\$41,774	0.2%	\$49
Total	187,342	100.0%	\$17,891,770	100.0%		182,239	100.0%	\$20,294,396	100.0%		178,907	100.0%	\$21,736,424	100.0%	
Setting Where Service Was Provided	2009					2010					Five Year Average				
	Number of Claim Lines	% of Total	Payment	% of Total	Mean Payment	Number of Claim Lines	% of Total	Payment	% of Total	Mean Payment	Number of Claim Lines	% of Total	Payment	% of Total	
Dental Office	69,312	38.4%	\$5,264,519	22.5%	\$76	68,813	38.1%	\$5,180,154	23.4%	\$75	70,161	38.6%	\$4,821,747	22.9%	
Ambulatory Surgery Center	49	0.0%	\$8,566	0.0%	\$175	47	0.0%	\$14,375	0.1%	\$306	66	0.0%	\$17,028	0.1%	
Clinic	1,328	0.7%	\$111,080	0.5%	\$84	2,944	1.6%	\$224,691	1.0%	\$76	1,917	1.1%	\$156,995	0.7%	
Federally Qualified Health Center	2,289	1.3%	\$227,905	1.0%	\$100	1,367	0.8%	\$143,027	0.6%	\$105	1,610	0.9%	\$164,013	0.8%	
Hospital Emergency Room	2,513	1.4%	\$104,361	0.4%	\$42	3,441	1.9%	\$154,118	0.7%	\$45	3,325	1.8%	\$136,383	0.6%	
Hospital Outpatient	94,070	52.1%	\$14,369,230	61.5%	\$153	90,705	50.2%	\$13,799,624	62.4%	\$152	91,931	50.5%	\$12,547,991	59.5%	
Hospital Inpatient	3,914	2.2%	\$2,697,885	11.5%	\$689	3,951	2.2%	\$1,938,794	8.8%	\$491	4,724	2.6%	\$2,623,292	12.4%	
Hospital, Other	473	0.3%	\$18,079	0.1%	\$38	271	0.2%	\$8,847	0.0%	\$33	480	0.3%	\$19,871	0.1%	
Home	2,097	1.2%	\$175,208	0.7%	\$84	1,966	1.1%	\$169,236	0.8%	\$86	2,474	1.4%	\$215,402	1.0%	
Skilled Nursing Facility	143	0.1%	\$129,963	0.6%	\$909	293	0.2%	\$120,445	0.5%	\$411	295	0.2%	\$141,129	0.7%	
Special Facility	839	0.5%	\$158,549	0.7%	\$189	2,719	1.5%	\$203,892	0.9%	\$344	1,181	0.6%	\$128,760	0.6%	
Independent Laboratory	2,507	1.4%	\$59,360	0.3%	\$24	3,067	1.7%	\$81,242	0.4%	\$26	2,661	1.5%	\$57,049	0.3%	
Other	994	0.6%	\$37,534	0.2%	\$38	982	0.5%	\$62,166	0.3%	\$63	1,091	0.6%	\$47,427	0.2%	
Total	180,528	100.0%	\$23,362,239	100.0%		180,566	100.0%	\$22,100,611	100.0%		181,916	100.0%	\$21,077,088	100.0%	

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Chapter 6.

Payment for Dental Services by Dental and Medical Insurers

Payment for dental services is discussed below. Since each claim line represents a dental service for a patient, claim lines were considered the best metric by which to count dental services to patients. It was not reasonable to examine payment by unique patients because of the large size of the annual data sets and the significant variation in utilization patterns of patients seeking dental or medical services for dental complaints. In addition, there were claim reconciliations including denials, reversals, resubmissions, and repayments that further complicated the analysis of the payment data using a patient metric.

In each of the five years, payments to dental providers in Maine from all sources (dental insurers, medical insurers, and patient deductibles, co-insurance, and co-payments) totaled more than \$230 million. It was not possible to determine the cost of dental services for which patients self-paid because the data used for the analysis was an insurance claims database.

Table 29. Annual Dental Expenditures by Payment Source, Maine, 2006-2010

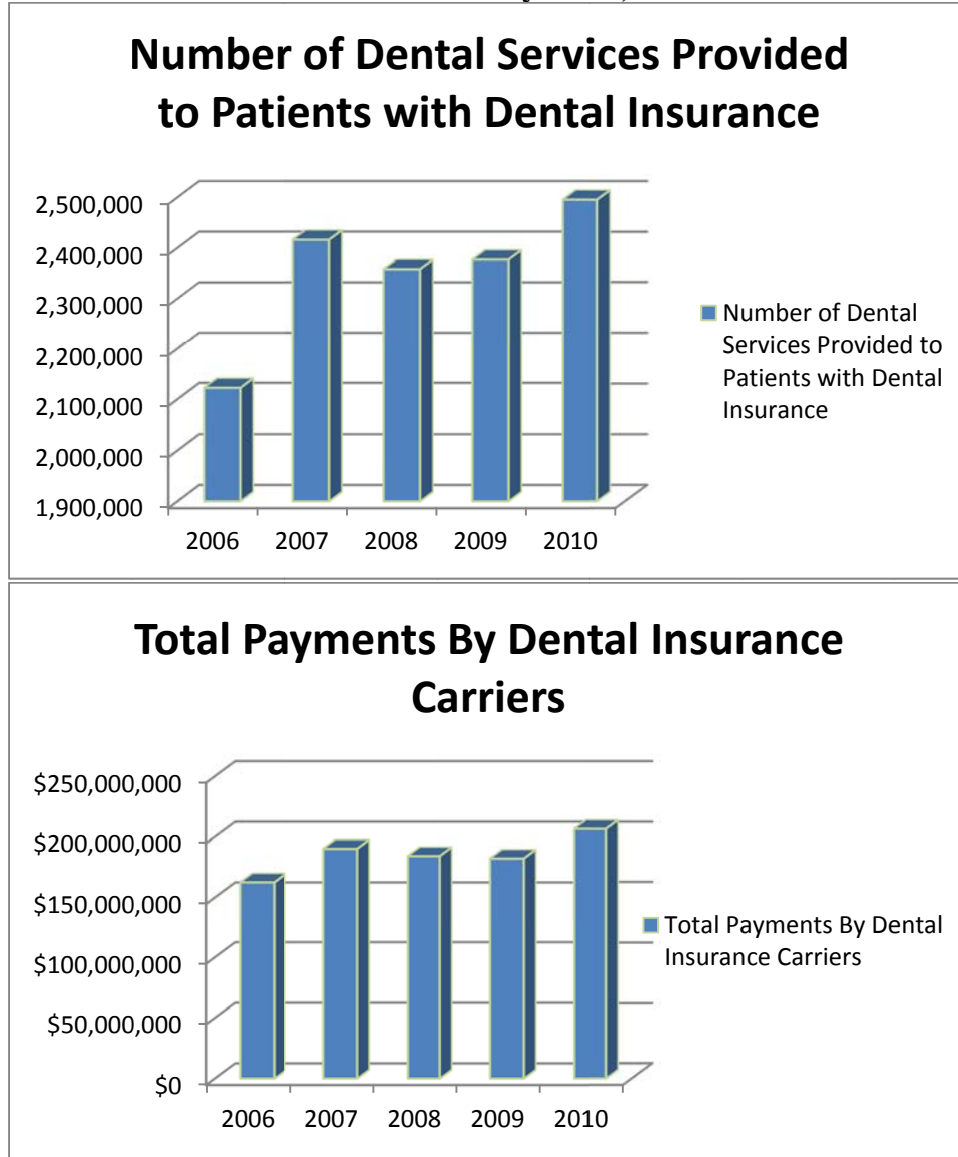
Source of Payment	2006	2007	2008	2009	2010
Patient Responsibility/ Dental Insurance	\$53,770,535	\$63,772,448	\$58,265,275	\$53,607,925	\$62,681,846
Patient Responsibility/ Medical Insurance	\$1,936,486	\$1,799,310	\$2,115,910	\$2,481,520	\$2,711,182
Dental Insurance	\$162,666,935	\$190,166,255	\$184,178,057	\$182,218,472	\$206,492,066
Medical Insurance	\$17,891,769	\$20,294,397	\$21,619,423	\$23,362,237	\$22,100,612
Total Dental Expenditures	\$236,265,725	\$276,032,410	\$266,178,665	\$261,670,154	\$293,985,706

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Each year, patients with dental insurance in Maine were provided with over two million unique oral health services. The number of services provided to patients increased from 2006 to 2010. There was also a concomitant increase in payments by dental insurers between 2006 and 2010.

In all five years examined for these analyses, indemnity insurance plans and PPO/POS dental insurance plans paid the majority of dental insurance claims in Maine. The proportion of total annual dental expenditures paid by MaineCare ranged from 15% to 20% of all dental insurance payer expenditures from 2006 to 2010.

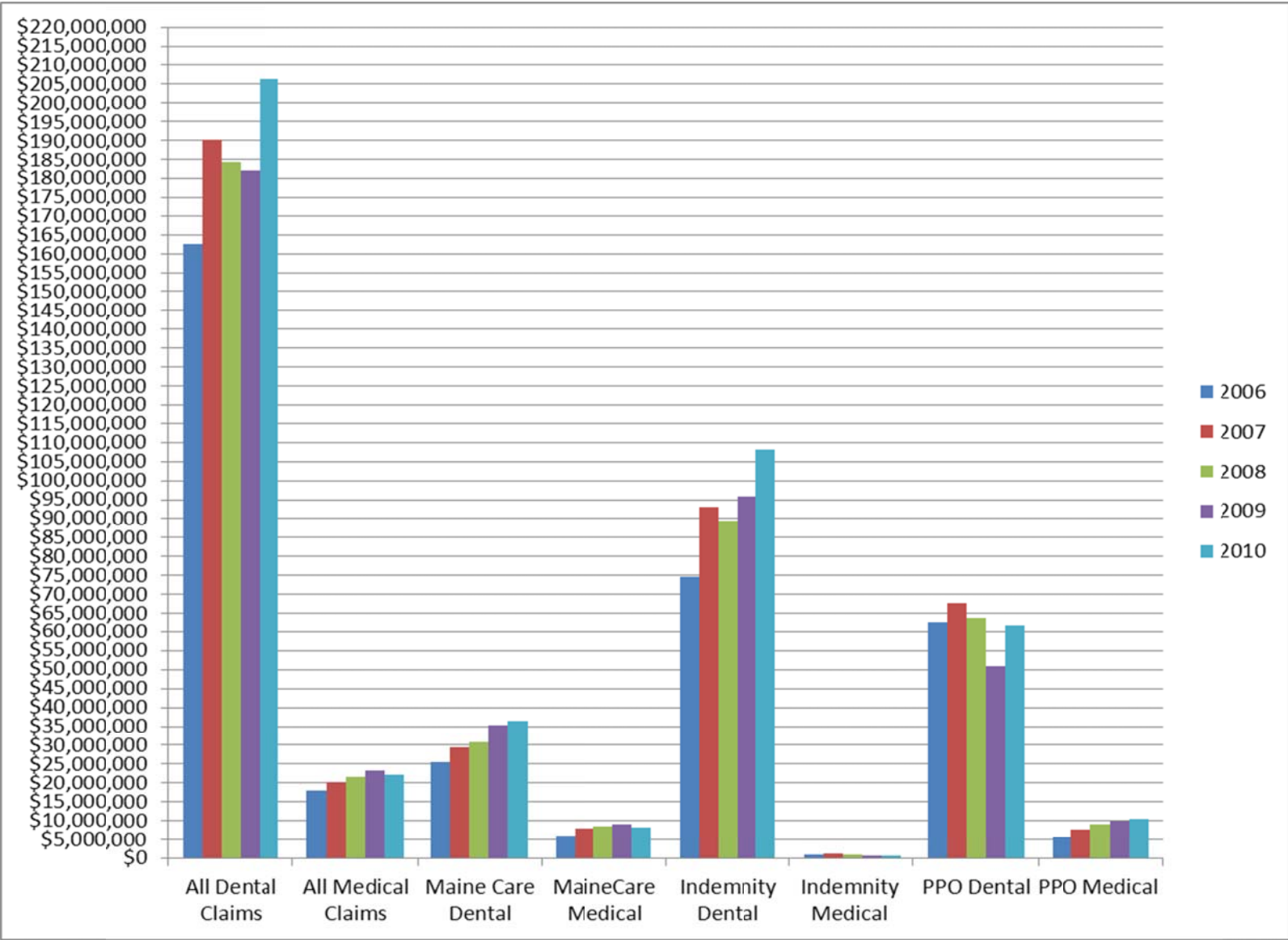
Figure 4. Annual Number of Dental Services Provided for Patients in Maine and Annual Dental Insurance Payments, 2006-2010



Source: MHDO, CHWS, 2012

While commercial dental insurers paid the largest share of dental claims, the reverse was true for medical claims related to dental complaints. Indemnity medical insurance plans paid less than 7% of medical claims for dental diagnoses in any of the five years. MaineCare paid the largest share of medical insurance claims for dental complaints followed by PPO/POS medical insurers. This variation may be due at least in part to the way in which plan benefits are structured. MaineCare offers a limited adult dental benefit but will cover the cost of treatment for pain and infection under either the medical or dental benefit. Indemnity medical insurance plans would be unlikely to include treatment of dental complaints in their medical insurance benefit package.

Figure 5. Expenditures for Treatment of Dental Complaints in Dollars by Dental or Medical Insurance Payer in Maine, 2006-2010



Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Dental indemnity insurance payers paid for more dental services than any other payer type in every year. MaineCare payments represented a smaller portion of total dental insurance payments than total medical insurance payments for dental complaints in all years.

Table 30. Payment for Dental Services by Dental and Medical Insurers for Services to Patients in Maine, 2006-2010

Dental Insurance Payments	2006				2007				2008				2009				2010			
	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment
Indemnity	975,016	\$74,500,660	45.8%	\$76	1,165,246	\$93,036,071	48.9%	\$80	1,057,594	\$89,501,173	48.6%	\$85	1,103,837	\$95,943,640	52.7%	\$87	1,206,136	\$108,243,970	52.4%	\$90
PPO	657,516	\$62,732,418	38.6%	\$95	710,794	\$67,711,396	35.6%	\$95	735,942	\$63,887,473	34.7%	\$87	667,348	\$50,853,756	27.9%	\$76	648,846	\$61,770,924	29.9%	\$95
MaineCare	490,234	\$25,433,857	15.6%	\$52	540,111	\$29,418,440	15.5%	\$112	563,907	\$30,727,447	16.7%	\$54	602,754	\$35,153,530	19.3%	\$58	638,578	\$36,477,172	17.7%	\$57
Medicare Part A and B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HMO/Medicare Risk	N/A	N/A	N/A	N/A	22	\$348	0.0%	\$16	865	\$61,964	0.0%	\$72	3,580	\$267,546	0.1%	\$75			0.0%	
Other	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	\$162,666,935		100.0%		\$190,166,255		100.0%		\$184,178,057		100.0%		\$182,218,472		100.0%		\$206,492,066		100.0%	
Medical Insurance Payments for Dental Diagnoses	2006				2007				2008				2009				2010			
	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment	Number of Claim Lines	Payment	% of Total Payment	Mean Payment
Indemnity	9,058	\$925,639	5.2%	\$102	10,085	\$1,375,300	6.8%	\$136	8,845	\$936,972	4.3%	\$106	7,463	\$660,907	2.8%	\$89	7,568	\$626,806	2.8%	\$83
PPO	52,534	\$5,596,175	31.3%	\$107	65,200	\$7,740,902	38.1%	\$119	67,699	\$9,057,018	41.9%	\$134	71,659	\$9,964,269	42.7%	\$139	77,992	\$10,503,437	47.5%	\$135
MaineCare	66,169	\$5,997,001	33.5%	\$91	74,905	\$7,807,685	38.5%	\$104	75,805	\$8,483,808	39.2%	\$112	74,517	\$9,139,384	39.1%	\$123	73,289	\$8,191,456	37.1%	\$112
Medicare Part A and B	32,257	\$2,084,839	11.7%	\$65	6,026	\$184,961	0.9%	\$31	4,684	\$13,020	0.1%	\$28	3,951	\$116,858	0.5%	\$30	4,482	\$113,364	0.5%	\$25
HMO/Medicare Risk	23,619	\$2,832,323	15.8%	\$120	22,158	\$2,821,178	13.9%	\$127	18,724	\$2,812,519	13.0%	\$150	20,226	\$3,255,288	13.9%	\$161	16,986	\$2,645,535	12.0%	\$156
Other	3,705	\$455,792	2.5%	\$123	3,865	\$364,371	1.8%	\$94	3,150	\$316,086	1.5%	\$100	2,712	\$225,531	1.0%	\$83	249	\$20,014	0.1%	\$80
Total	\$17,891,769		100.0%		\$20,294,397		100.0%		\$21,619,423		100.0%		\$23,362,237		100.0%		\$22,100,612		100.0%	

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Mean payments for preventive services covered by dental insurance were less than mean payments for restorative dental services or for specialty dental services. On average, prosthetic and endodontic services were the most expensive dental services provided to patients in any year.

Table 31. Payment for Dental Services for Patients in Maine by Dental Insurers, by Type of Dental Service Provided, 2006-2010

Dental Payments	2006				2007				2008			
	Total Number of Services	Total Payments	% of Total Payment	Mean Payment	Total Number of Services	Total Payments	% of Total Payment	Mean Payment	Total Number of Services	Total Payments	% of Total Payment	Mean Payment
Diagnostic	770,520	\$30,659,648	18.9%	\$40	883,628	\$36,090,762	19.0%	\$41	872,518	\$35,356,865	19.2%	\$41
Preventive	675,818	\$35,322,875	21.7%	\$52	789,474	\$41,431,767	21.8%	\$52	785,867	\$40,939,027	22.2%	\$52
Restorative	346,181	\$46,300,443	28.5%	\$134	377,558	\$53,894,127	28.3%	\$143	355,580	\$51,518,207	28.0%	\$145
Oral and Maxillofacial Surgery	115,091	\$13,187,558	8.1%	\$115	128,554	\$14,797,248	7.8%	\$115	130,489	\$14,766,425	8.0%	\$113
Orthodontics	51,681	\$9,183,212	5.6%	\$178	50,997	\$11,499,863	6.0%	\$226	41,316	\$10,985,786	6.0%	\$266
Periodontics	49,320	\$5,450,525	3.4%	\$111	58,118	\$6,259,210	3.3%	\$198	52,709	\$5,802,668	3.2%	\$110
Adjunctive General Services	42,357	\$4,034,768	2.5%	\$95	47,468	\$4,653,311	2.4%	\$98	47,042	\$4,783,471	2.6%	\$102
FQHC Services	34,479	\$4,279,090	2.6%	\$124	37,928	\$4,800,984	2.5%	\$127	32,276	\$4,127,726	2.2%	\$128
Endodontics	19,382	\$7,464,058	4.6%	\$385	21,024	\$8,615,099	4.5%	\$410	19,730	\$7,980,705	4.3%	\$404
Prosthodontics	9,815	\$2,944,218	1.8%	\$300	11,548	\$3,505,729	1.8%	\$304	10,843	\$3,347,451	1.8%	\$309
Prosthetics, Implants, Etc.	7,091	\$3,595,447	2.2%	\$507	8,177	\$4,281,956	2.3%	\$524	7,561	\$4,189,877	2.3%	\$554
Indian Health Center Services	523	\$122,984	0.1%	\$235	1,142	\$290,224	0.2%	\$254	1,213	\$308,293	0.2%	\$254
Clinic Services	342	\$35,420	0.0%	\$104	450	\$35,243	0.0%	\$78	995	\$66,060	0.0%	\$66
Totals	2,122,258	\$162,544,826	100.0%		2,416,066	\$190,155,523	100.0%		2,358,139	\$184,172,561	100.0%	
Dental Payments	2009				2010				5 Year Average			
	Total Number of Services	Total Payments	% of Total Payment	Mean Payment	Total Number of Services	Total Payments	% of Total Payment	Mean Payment	Average Number of Services	Average Total Payments	% of Total Payment	
Diagnostic	893,497	\$34,916,353	19.2%	\$39	940,853	\$39,722,086	19.2%	\$42	872203	\$35,349,143	19.1%	
Preventive	783,146	\$39,237,847	21.5%	\$50	846,399	\$45,981,478	22.3%	\$54	776141	\$40,582,599	21.9%	
Restorative	355,964	\$50,322,716	27.6%	\$141	361,794	\$56,596,855	27.4%	\$156	359415	\$51,726,470	27.9%	
Oral and Maxillofacial Surgery	135,669	\$15,349,475	8.4%	\$113	145,164	\$18,784,915	9.1%	\$129	130993	\$15,377,124	8.3%	
Orthodontics	33,843	\$12,188,625	6.7%	\$360	26,161	\$12,783,295	6.2%	\$489	40800	\$11,328,156	6.1%	
Periodontics	51,191	\$5,386,347	3.0%	\$105	53,922	\$6,294,346	3.0%	\$117	53052	\$5,838,619	3.2%	
Adjunctive General Services	48,928	\$5,042,690	2.8%	\$103	54,207	\$5,514,898	2.7%	\$102	48000	\$4,805,828	2.6%	
FQHC Services	33,971	\$4,372,383	2.4%	\$129	24,582	\$3,325,215	1.6%	\$135	32647	\$4,181,080	2.3%	
Endodontics	19,752	\$7,622,792	4.2%	\$386	21,061	\$8,776,057	4.2%	\$417	20190	\$8,091,742	4.4%	
Prosthodontics	10,707	\$3,035,285	1.7%	\$283	11,628	\$3,561,499	1.7%	\$306	10908	\$3,278,836	1.8%	
Prosthetics, Implants, Etc.	6,951	\$4,187,547	2.3%	\$602	7,927	\$5,028,877	2.4%	\$634	7541	\$4,256,741	2.3%	
Indian Health Center Services	1,603	\$423,034	0.2%	\$264	807	\$223,710	0.1%	\$277	1058	\$273,649	0.1%	
Clinic Services	1,754	\$76,784	0.0%	\$44	858	\$35,728	0.0%	\$42	880	\$49,847	0.0%	
Totals	2,376,976	\$182,161,878	100.0%		2,495,363	\$206,628,959	100.0%		2353760	\$185,132,749	100.0%	

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Mean payments for diagnostic, preventive, restorative, and oral surgery services by MaineCare were lower than mean payments by other dental insurance carriers for similar services in all years. Lower reimbursement rates are frequently cited as a reason for lack of participation by dentists with MaineCare.

Table 32. Number of and Mean Payment for Diagnostic, Preventive, Restorative, and Oral Surgery Services to Patients in Maine, by Payer Type, 2006-2010

2006												
Type of Paid Dental Service	Indemnity Insurers			PPO, POS Insurers			MaineCare			Other (HMO/ Medical Risk)		
	# of Paid Services	Payment	Mean Payment	# of Paid Services	Payment	Mean Payment	# of Paid Services	Payment	Mean Payment	# of Paid Services	Payment	Mean Payment
Diagnostic Services	381,407	\$13,325,820	\$35	260,519	\$13,762,888	\$53	128,594	\$3,570,940	\$28	*	*	*
Preventive Services	301,269	\$15,960,366	\$53	209,324	\$15,791,381	\$75	165,205	\$3,571,129	\$22	*	*	*
Restorative Services	188,867	\$24,655,888	\$131	108,582	\$17,992,538	\$166	48,732	\$3,652,018	\$75	*	*	*
Oral Surgery Services	34,430	\$4,622,895	\$134	24,690	\$3,623,377	\$147	55,971	\$4,941,286	\$88	*	*	*
2007												
Diagnostic Services	461,203	\$16,939,043	\$37	285,848	\$15,262,562	\$53	136,573	\$3,889,049	\$28	4	\$108	\$27
Preventive Services	366,202	\$19,979,331	\$55	229,697	\$17,584,308	\$77	193,575	\$3,868,128	\$20	*	*	*
Restorative Services	215,413	\$30,799,078	\$143	111,261	\$19,099,212	\$172	50,884	\$3,995,837	\$79	*	*	*
Oral Surgery Services	39,540	\$5,390,355	\$136	27,061	\$3,801,155	\$140	61,953	\$5,605,737	\$90	*	*	*
2008												
Diagnostic Services	420,754	\$16,736,966	\$40	300,659	\$14,515,516	\$33	150,732	\$4,091,006	\$27	373	\$13,376	\$36
Preventive Services	342,073	\$20,023,893	\$59	240,432	\$16,894,366	\$70	203,114	\$4,004,784	\$20	248	\$15,984	\$64
Restorative Services	187,919	\$28,984,553	\$154	112,446	\$18,255,032	\$162	55,060	\$4,256,802	\$77	155	\$21,820	\$141
Oral Surgery Services	35,868	\$5,319,432	\$148	26,380	\$3,245,364	\$123	68,217	\$6,198,256	\$91	24	\$3,373	\$141
2009												
Diagnostic Services	446,186	\$18,330,501	\$41	276,050	\$11,832,017	\$43	169,871	\$4,703,740	\$28	1,390	\$50,096	\$36
Preventive Services	359,889	\$21,645,366	\$60	216,047	\$13,327,891	\$62	206,197	\$4,197,197	\$20	1,013	\$673,393	\$67
Restorative Services	192,011	\$30,850,500	\$161	100,479	\$14,387,813	\$143	62,775	\$4,995,080	\$80	699	\$89,322	\$128
Oral Surgery Services	35,475	\$5,463,356	\$154	24,524	\$2,685,407	\$110	75,518	\$7,189,230	\$95	152	\$11,482	\$76
2010												
Diagnostic Services	494,290	\$20,910,280	\$42	268,488	\$14,336,497	\$53	177,140	\$4,442,026	\$25	935	\$33,282	\$36
Preventive Services	394,385	\$24,681,367	\$63	213,868	\$16,593,829	\$78	237,495	\$4,662,445	\$20	651	\$43,838	\$67
Restorative Services	199,833	\$33,925,694	\$170	94,821	\$17,020,049	\$179	66,750	\$5,601,400	\$84	390	\$49,711	\$127
Oral Surgery Services	39,976	\$6,337,512	\$159	23,925	\$3,270,998	\$137	81,082	\$9,163,771	\$113	181	\$12,634	\$70

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

MaineCare disbursements for dental claims are highest for children in Maine since there is comprehensive coverage for dental services under the EPSDT dental benefit. The volume of services (number of claim lines) paid by MaineCare as medical payments are highest in all years for adults who have a limited dental benefit and may seek care for dental complaints in medical settings.

Table 33. Maine Care Medical and Dental Payments for Dental Diagnoses by Age of Patient and Year, Maine, 2006-2010

Age Cohort	2006								2007							
	MaineCare Medical Payments				MaineCare Dental Payments				MaineCare Medical Payments				MaineCare Dental Payments			
	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment
0 to 3 years	3,985	\$442,395	7.4%	\$111	16,667	\$938,020	3.7%	\$56	4,712	\$628,673	8.1%	\$285	23,542	\$1,161,342	3.9%	\$49
4 to 11 years	4,846	\$866,096	14.4%	\$179	177,242	\$7,369,383	29.0%	\$42	5,490	\$1,140,650	14.6%	\$208	199,852	\$8,462,725	28.8%	\$42
12-18 years	4,706	\$538,842	9.0%	\$115	172,793	\$8,776,077	34.5%	\$51	4,529	\$475,924	6.1%	\$105	177,393	\$10,233,072	34.8%	\$58
19-24 years	12,381	\$830,660	13.9%	\$67	36,149	\$2,416,403	9.5%	\$67	13,619	\$988,731	12.7%	\$73	39,809	\$2,697,741	9.2%	\$68
25-44 years	27,411	\$1,671,662	27.9%	\$61	59,274	\$3,963,751	15.6%	\$67	30,609	\$2,336,357	29.9%	\$76	65,542	\$4,460,817	15.2%	\$68
45-64 years	11,517	\$1,459,724	24.3%	\$127	23,332	\$1,647,396	6.5%	\$71	13,971	\$2,024,821	25.9%	\$145	28,352	\$2,026,585	6.9%	\$71
65-74 years	782	\$77,081	1.3%	\$99	2,546	\$182,175	0.7%	\$72	1,283	\$125,430	1.6%	\$98	2,890	\$197,110	0.7%	\$68
75 and older	541	\$110,541	1.8%	\$204	2,231	\$140,653	0.6%	\$63	692	\$87,099	1.1%	\$126	2,731	\$179,048	0.6%	\$66
Total Spending	\$5,997,001				\$25,433,858				\$7,807,685				\$29,418,440			
	\$31,430,859								\$37,226,125							
Age Cohort	2008								2009							
	MaineCare Medical Payments				MaineCare Dental Payments				MaineCare Medical Payments				MaineCare Dental Payments			
	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment
0 to 3 years	5,805	\$761,396	9.0%	\$131	26,280	\$1,239,516	4.0%	\$47	6,108	\$881,952	9.7%	\$144	28,088	\$1,413,003	4.0%	\$50
4 to 11 years	7,065	\$1,492,188	17.6%	\$211	218,485	\$9,296,542	30.3%	\$43	7,410	\$1,740,230	19.0%	\$235	230,612	\$10,404,163	29.6%	\$45
12-18 years	4,790	\$616,785	7.3%	\$129	170,359	\$10,215,251	33.2%	\$60	4,281	\$650,788	7.1%	\$152	178,113	\$11,775,567	33.5%	\$66
19-24 years	11,374	\$1,064,530	12.5%	\$94	40,817	\$2,671,688	8.7%	\$65	10,769	\$937,634	10.3%	\$87	46,259	\$3,207,389	9.1%	\$69
25-44 years	30,834	\$2,559,363	30.2%	\$83	70,044	\$4,642,705	15.1%	\$66	29,041	\$2,680,735	29.3%	\$92	79,542	\$5,474,595	15.6%	\$69
45-64 years	13,953	\$1,723,840	20.3%	\$124	31,847	\$2,235,228	7.3%	\$70	13,983	\$1,961,006	21.5%	\$140	33,997	\$2,455,795	7.0%	\$72
65-74 years	1,134	\$110,292	1.3%	\$97	3,350	\$235,860	0.8%	\$70	1,941	\$75,598	0.8%	\$39	3,488	\$240,385	0.7%	\$69
75 and older	850	\$155,415	1.8%	\$183	2,725	\$190,658	0.6%	\$70	984	\$211,442	2.3%	\$215	2,655	\$182,632	0.5%	\$69
Total Spending	\$8,483,809				\$30,727,448				\$9,139,385				\$35,153,529			
	\$39,211,257								\$44,292,914							
Age Cohort	2010								Five Year Average Spending							
	MaineCare Medical Payments				MaineCare Dental Payments				MaineCare Medical Payments				MaineCare Dental Payments			
	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Number of Claim Lines	Payment	% of Total Spending	Mean Payment	Average Medical Payment 2006 to 2010		% of Total Spending	Average Dental Payment 2006 to 2010		% of Total Spending		
0 to 3 years	5,874	\$866,394	10.6%	\$147	31,799	\$1,339,044	3.7%	\$42	\$716,162		9.0%	\$1,218,185		3.9%		
4 to 11 years	6,977	\$1,533,762	18.7%	\$220	250,859	\$10,418,911	28.6%	\$42	\$1,354,585		17.1%	\$9,190,345		29.2%		
12-18 years	3,811	\$452,461	5.5%	\$119	180,941	\$11,477,822	31.5%	\$63	\$546,960		6.9%	\$10,495,558		33.4%		
19-24 years	10,016	\$827,816	10.1%	\$83	48,285	\$3,439,265	9.4%	\$71	\$929,874		11.7%	\$2,886,497		9.2%		
25-44 years	28,345	\$2,547,265	31.1%	\$90	82,490	\$6,326,771	17.3%	\$77	\$2,359,076		29.8%	\$4,973,728		15.8%		
45-64 years	15,033	\$1,805,799	22.0%	\$120	37,617	\$2,993,600	8.2%	\$80	\$1,795,038		22.7%	\$2,271,721		7.2%		
65-74 years	2,007	\$73,756	0.9%	\$37	3,452	\$255,612	0.7%	\$74	\$92,431		1.2%	\$222,228		0.7%		
75 and older	1,226	\$84,203	1.0%	\$69	3,135	\$226,147	0.6%	\$72	\$129,740		1.6%	\$183,828		0.6%		
Total Spending	\$8,191,456				\$36,477,172				\$7,923,867		100.0%		\$31,442,089		100.0%	
	\$44,668,628								\$39,365,957							

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

The medical claims file was analyzed to determine the settings where patients with dental complaints were being treated for those problems. The following data includes only claims paid by medical insurance carriers for dental diagnoses. Mean payments by medical insurers for treatment of dental complaints was twice as high in hospital outpatient settings compared to treatments provided in dental offices. The volume of medical claims for dental complaints was highest in hospital outpatient settings including emergency rooms. It was not possible to describe hospital outpatient settings, but it is likely that this grouping also includes some care provided in hospital owned urgent care facilities.

Table 34. Medical Payments for Treatment of Dental Complaints in Maine by Setting Where Care was Delivered, 2006-2010

Setting Where Service Was Provided	2006			2007			2008			2009			2010		
	Number of Claim Lines	Payment	Mean Payment	Number of Claim Lines	Payment	Mean Payment	Number of Claim Lines	Payment	Mean Payment	Number of Claim Lines	Payment	Mean Payment	Number of Claim Lines	Payment	Mean Payment
Dental Office	71,268	\$4,017,774	\$56	72,288	\$4,480,811	\$62	69,125	\$5,165,477	\$75	69,312	\$5,264,519	\$76	68,813	\$5,180,154	\$75
Ambulatory Surgery Center	65	\$2,933	\$45	162	\$56,516	\$349	8	\$2,750	\$344	49	\$8,566	\$175	47	\$14,375	\$306
Clinic	2,254	\$164,094	\$73	1,660	\$178,763	\$108	1,399	\$106,345	\$76	1,328	\$111,080	\$84	2,944	\$224,691	\$76
Federally Qualified Health Center	686	\$68,321	\$100	1,841	\$195,021	\$106	1,869	\$185,791	\$99	2,289	\$227,905	\$100	1,367	\$143,027	\$105
Hospital Emergency Room	5,051	\$143,999	\$29	2,881	\$155,793	\$54	2,738	\$123,645	\$45	2,513	\$104,361	\$42	3,441	\$154,118	\$45
Hospital Outpatient	90,327	\$9,416,754	\$104	92,745	\$12,313,266	\$133	91,809	\$12,841,083	\$140	94,070	\$14,369,230	\$153	90,705	\$13,799,624	\$152
Hospital Inpatient	7,114	\$3,261,479	\$458	4,320	\$2,463,679	\$570	4,320	\$2,754,623	\$638	3,914	\$2,697,885	\$689	3,951	\$1,938,794	\$491
Hospital, Other	663	\$40,979	\$62	376	\$11,814	\$31	618	\$19,638	\$32	473	\$18,079	\$38	271	\$8,847	\$33
Home	3,134	\$242,171	\$77	2,204	\$223,559	\$101	2,968	\$266,837	\$90	2,097	\$175,208	\$84	1,966	\$169,236	\$86
Skilled Nursing Facility	621	\$266,948	\$430	272	\$67,430	\$249	148	\$120,859	\$817	143	\$129,963	\$909	293	\$120,445	\$411
Special Facility	1,490	\$172,975	\$116	279	\$54,241	\$194	579	\$54,144	\$94	839	\$158,549	\$189	2,719	\$203,892	\$344
Independent Laboratory	2,860	\$40,146	\$14	2,396	\$51,037	\$21	2,473	\$53,458	\$22	2,507	\$59,360	\$24	3,067	\$81,242	\$26
Other	1,809	\$53,197	\$29	815	\$42,466	\$52	853	\$41,774	\$49	994	\$37,534	\$38	982	\$62,166	\$63

Source: MHDO, CHWS, 2012. Note: Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

The cost of dental services is often cited as a deterrent to utilization both for the uninsured and for the underinsured. Some dental insurance plans require high patient copays or deductibles or enforce a cap on reimbursed services (a stated dollar amount for dental services). Therefore, even insured patients may restrict utilization of dental services to care for emergent conditions. In all years, patients with indemnity dental plans paid the most out of pocket for dental care. Patients with indemnity plans are also the highest users of dental services.

Table 35. Patient Out of Pocket Dental Expenses for Dental Care in Maine, by Type of Dental Insurance, 2006-2010

Dental Payment Expenditures	2006			2007			2008			2009			2010		
	# of Claim Lines	Total Paid	% of Total Paid by Insurer	# of Claim Lines	2006	% of Total Paid by Insurer	# of Claim Lines	2006	% of Total Paid by Insurer	# of Claim Lines	2006	% of Total Paid by Insurer	# of Claim Lines	2006	% of Total Paid by Insurer
Indemnity Plans															
<i>Total Paid by Insurer</i>	975,016	\$74,500,660		1,165,246	\$93,036,071		1,057,594	\$89,501,173		1,103,837	\$95,943,640		1,206,136	\$108,243,970	
<i>Patient Co-Pays</i>	975,016	\$26,775,577	35.9%	1,165,246	\$33,800,656	36.3%	1,057,594	\$30,568,288	34.2%	1,103,837	\$31,966,926	33.3%	1,206,136	\$34,970,299	32.3%
<i>Patient Co-Insurance</i>	975,016	\$5,286,198	7.1%	1,165,246	\$5,949,470	6.4%	1,057,594	\$5,658,837	6.3%	1,103,837	\$5,036,284	5.2%	1,206,136	\$6,790,407	6.3%
<i>Patient Deductibles</i>	975,016	\$1,822,533	2.4%	1,165,246	\$2,130,884	2.3%	1,057,594	\$1,969,465	2.2%	1,103,837	\$1,959,566	2.0%	1,206,136	\$2,151,160	2.0%
<i>Total Patient Responsibility for Dental Payments</i>	\$33,884,308			\$41,881,010			\$38,196,590			\$38,962,776			\$43,911,866		
PPO/POS Plans															
<i>Total Paid by Insurer</i>	657,516	\$62,732,418		710,794	\$67,711,396		735,942	\$63,887,473		667,348	\$50,853,756		648,846	\$61,770,924	
<i>Patient Co-Pays</i>	657,516	\$150,877	0.2%	710,794	\$154,297	0.2%	735,942	\$157,066	0.2%	667,348	\$169,557	0.3%	648,846	\$262,685	0.4%
<i>Patient Co-Insurance</i>	657,516	\$16,822,850	26.8%	710,794	\$18,630,584	27.5%	735,942	\$16,897,259	26.4%	667,348	\$12,014,597	23.6%	648,846	\$15,638,409	25.3%
<i>Patient Deductibles</i>	657,516	\$2,912,482	4.6%	710,794	\$3,106,248	4.6%	735,942	\$2,994,263	4.7%	667,348	\$2,317,614	4.6%	648,846	\$2,706,455	4.4%
<i>Total Patient Responsibility for Dental Payments</i>	\$19,886,209			\$21,891,129			\$20,048,588			\$14,501,768			\$18,607,549		
HMO/ Risk															
<i>Total Paid by Insurer</i>	0	\$0		22	\$348		865	\$61,964		3,580	\$267,546		2,452	\$176,845	
<i>Patient Co-Pays</i>	0	\$0	0.0%	22	\$42	12.1%	865	\$2,442	3.9%	3,580	\$21,910	8.2%	2,452	\$11,324	6.4%
<i>Patient Co-Insurance</i>	0	\$0	0.0%	22	\$240	69.0%	865	\$17,000	27.4%	3,580	\$100,842	37.7%	2,452	\$67,529	38.2%
<i>Patient Deductibles</i>	0	\$0	0.0%	22	\$0	0.0%	865	\$0	0.0%	3,580	\$0	0.0%	2,452	\$0	0.0%
<i>Total Patient Responsibility for Dental Payments</i>	\$0			\$282			\$19,442			\$122,752			\$78,853		
MaineCare															
<i>Total Paid by Insurer</i>	490,234	\$25,433,857		540,111	\$29,418,440		563,907	\$30,727,447		602,754	\$35,153,530		638,578	\$36,477,172	
<i>Patient Co-Pays</i>	490,234	\$18	0.0%	540,111	\$27	0.0%	563,907	\$655	0.0%	602,754	\$20,629	0.1%	638,578	\$13,966	0.0%
<i>Patient Co-Insurance</i>	490,234	\$0	0.0%	540,111	\$0	0.0%	563,907	\$0	0.0%	602,754	\$0	0.0%	638,578	\$61,281	0.2%
<i>Patient Deductibles</i>	490,234	\$0	0.0%	540,111	\$0	0.0%	563,907	\$0	0.0%	602,754	\$0	0.0%	638,578	\$8,331	0.0%
<i>Total Patient Responsibility for Dental Payments</i>	\$18			\$27			\$655			\$20,629			\$83,578		
Total Patient Responsibility for Dental Payments All Payers	\$53,770,535			\$63,772,448			\$58,265,275			\$53,607,925			\$62,681,846		

Source: MHDO, CHWS, 2012. Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Patients insured by PPO/POS medical insurance plans paid the most overall for treatment of dental complaints, but the percent of patient responsibility was lower for people with medical insurance from a PPO/POS plan than that for people insured by medical indemnity plans. PPO/POS plans and MaineCare paid more than other insurers in every year for treatment of dental complaints covered by medical insurance.

Table 36. Patient Out-of-Pocket Medical Expenses for Dental Care in Maine, by Type of Dental Insurance, 2006-2010

Medical Payment Expenditures For Dental Complaints	2006			2007			2008			2009			2010		
	# of Claim Lines	Total Paid	% of Total Paid by Insurer	# of Claim Lines	Total Paid	% of Total Paid by Insurer	# of Claim Lines	Total Paid	% of Total Paid by Insurer	# of Claim Lines	Total Paid	% of Total Paid by Insurer	# of Claim Lines	Total Paid	% of Total Paid by Insurer
Indemnity Plans															
<i>Total Paid by Insurer</i>	9,058	\$925,639		10,085	\$1,375,300		8,845	\$936,972		7,463	\$660,907		7,568	\$626,806	
<i>Patient Co-Pays</i>	9,058	\$2,301	0.2%	10,085	\$2,840	0.2%	8,845	\$1,220	0.1%	7,463	\$1,719	0.3%	7,568	\$3,611	0.6%
<i>Patient Co-Insurance</i>	9,058	\$50,972	5.5%	10,085	\$67,301	4.9%	8,845	\$83,642	8.9%	7,463	\$45,332	6.9%	7,568	\$52,723	8.4%
<i>Patient Deductibles</i>	9,058	\$331,431	35.8%	10,085	\$320,742	23.3%	8,845	\$309,604	33.0%	7,463	\$249,972	37.8%	7,568	\$278,538	44.4%
<i>Total Patient Responsibility for Dental Payment</i>	\$384,704			\$390,883			\$394,466			\$297,023			\$334,872		
PPO/POS Plans															
<i>Total Paid by Insurer</i>	52,534	\$5,596,175		65,200	\$7,740,902		67,699	\$9,057,018		71,659	\$9,964,269		77,992	\$10,503,437	
<i>Patient Co-Pays</i>	52,534	\$24,282	0.4%	65,200	\$28,535	0.4%	67,699	\$40,267	0.4%	71,659	\$41,806	0.4%	77,992	\$46,421	0.4%
<i>Patient Co-Insurance</i>	52,534	\$373,846	6.7%	65,200	\$496,097	6.4%	67,699	\$603,232	6.7%	71,659	\$755,325	7.6%	77,992	\$610,650	5.8%
<i>Patient Deductibles</i>	52,534	\$543,658	9.7%	65,200	\$691,402	8.9%	67,699	\$883,360	9.8%	71,659	\$1,116,166	11.2%	77,992	\$1,390,933	13.2%
<i>Total Patient Responsibility for Dental Payment</i>	\$941,786			\$1,216,034			\$1,526,859			\$1,913,297			\$2,048,004		
MaineCare															
<i>Total Paid by Insurer</i>	66,169	\$5,997,001		74,905	\$7,807,685		75,805	\$8,483,808		74,517	\$9,139,384		73,289	\$8,191,456	
<i>Patient Co-Pays</i>	66,169	\$3	0.0%	74,905	\$5	0.0%	75,805	\$189	0.0%	74,517	\$1,922	0.0%	73,289	\$1,206	0.0%
<i>Patient Co-Insurance</i>	66,169	\$189	0.0%	74,905	\$162	0.0%	75,805	\$5,315	0.1%	74,517	\$31,003	0.3%	73,289	\$59,943	0.7%
<i>Patient Deductibles</i>	66,169	\$181	0.0%	74,905	\$226	0.0%	75,805	\$1,415	0.0%	74,517	\$4,628	0.1%	73,289	\$10,156	0.1%
<i>Total Patient Responsibility for Dental Payment</i>	\$373			\$393			\$6,919			\$37,553			\$71,305		
Medicare Parts A & B															
<i>Total Paid by Insurer</i>	32,257	\$2,084,839		6,026	\$184,961		4,684	\$130,029		3,951	\$116,858		4,482	\$113,364	
<i>Patient Co-Pays</i>	32,257	\$211,690	10.2%	6,026	\$67	0.0%	4,684	\$27	0.0%	3,951	\$75	0.1%	4,482	\$11	0.0%
<i>Patient Co-Insurance</i>	32,257	\$233,034	11.2%	6,026	\$7,714	4.2%	4,684	\$5,326	4.1%	3,951	\$26,950	23.1%	4,482	\$537	0.5%
<i>Patient Deductibles</i>	32,257	\$15,219	0.7%	6,026	\$3,690	2.0%	4,684	\$1,391	1.1%	3,951	\$2,218	1.9%	4,482	\$1,224	1.1%
<i>Total Patient Responsibility for Dental Payment</i>	\$459,943			\$11,471			\$6,744			\$29,243			\$1,772		
HMO/Medicare Risk															
<i>Total Paid by Insurer</i>	23,619	\$2,832,323		22,158	\$2,821,178		18,724	\$2,812,519		20,226	\$3,255,288		16,986	\$2,645,535	
<i>Patient Co-Pays</i>	23,619	\$50,187	1.8%	22,158	\$50,230	1.8%	18,724	\$27,166	1.0%	20,226	\$24,519	0.8%	16,986	\$32,451	1.2%
<i>Patient Co-Insurance</i>	23,619	\$68,483	2.4%	22,158	\$78,393	2.8%	18,724	\$104,286	3.7%	20,226	\$109,244	3.4%	16,986	\$127,702	4.8%
<i>Patient Deductibles</i>	23,619	\$26,197	0.9%	22,158	\$38,036	1.3%	18,724	\$38,408	1.4%	20,226	\$65,170	2.0%	16,986	\$93,500	3.5%
<i>Total Patient Responsibility for Dental Payment</i>	\$144,867			\$166,659			\$169,860			\$198,933			\$253,653		
Other															
<i>Total Paid by Insurer</i>	3,705	\$455,792		3,865	\$364,371		3,150	\$316,086		2,712	\$225,531		249	\$20,014	
<i>Patient Co-Pays</i>	3,705	\$2,534	0.6%	3,865	\$4,290	1.2%	3,150	\$4,640	1.5%	2,712	\$1,166	0.5%	249	\$367	1.8%
<i>Patient Co-Insurance</i>	3,705	\$2,266	0.5%	3,865	\$9,336	2.6%	3,150	\$6,264	2.0%	2,712	\$4,302	1.9%	249	\$441	2.2%
<i>Patient Deductibles</i>	3,705	\$13	0.0%	3,865	\$244	0.1%	3,150	\$158	0.0%	2,712	\$3	0.0%	249	\$768	3.8%
<i>Total Patient Responsibility for Dental Payment</i>	\$4,813			\$13,870			\$11,062			\$5,471			\$1,576		
<i>Total Patient Responsibility for Dental Payments All Payers</i>	\$1,936,486			\$1,799,310			\$2,115,910			\$2,481,520			\$2,711,182		

Source: MHDO, CHWS, 2012. Note: Note: Totals may vary from totals in other tables due to missing data in the variables used for cross tabulations.

Chapter 7

Dental Rational Service Areas in Maine

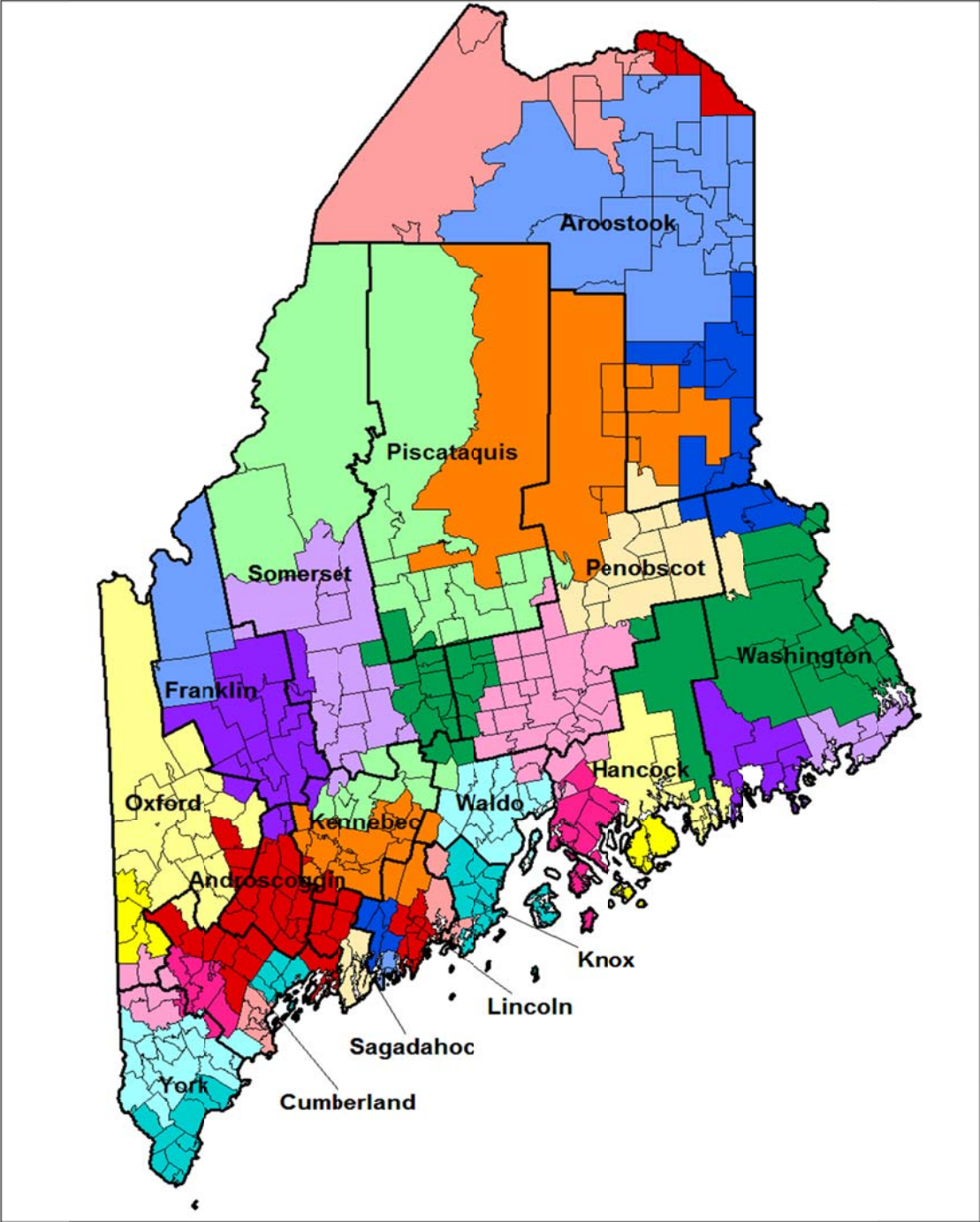
The following maps depict dental rational service areas (RSAs) that represent the geographic area in which patients living in a particular location in Maine generally obtain dental services. Each colored area on the map represents the dental service area for people living in that area. The RSAs were created using data extracted from the insurance claims data provided by MHDO. The data included commercially insured and MaineCare-insured patients but did not contain information about the uninsured who self-pay for services. This is a limitation of the analysis. It is not known if the care-seeking patterns of the uninsured vary significantly from those of the insured population. Another limitation of the RSA analysis is that patients with residence zip codes in Maine who sought services from dental providers in other states were excluded from this analysis. In addition, patients with residence zip codes outside of Maine who obtained dental services in Maine were also excluded. These maps represent only patients with a residence zip code in Maine who received oral health services from a provider with a zip code in Maine. The boundaries of each RSA are permeable since patients may select a dental provider outside the geographic area represented on the map. These RSAs were created to provide a visual representation of the care-seeking behavior patterns in various areas of the state based on the utilization data in the claims repository.

The basic element for constructing the RSAs in Maine was commuting flows between patients and dentists in the two-year period of 2009 and 2010. A single primary care dentist was determined for each patient. Patients who only received a specialty dental service in the two-year period were excluded from the analysis as commuting patterns to a specialty dentist vary from commuting patterns for general care. Each patient in Maine was counted only once even if they had repeat visits in the time period. When the primary care provider was not clear, a combination of preventive care codes and frequency of visits was used to make the provider designation for that individual. The data set originally had 710,107 unique patients. Once patients living outside Maine who received a dental service in Maine and patients living in Maine who received an out-of-state dental service were excluded from the data, there remained 676,803 unique patients living in Maine who received either a preventive or restorative dental service from a provider in Maine during the two-year period.

The data were then arranged in a matrix with rows indicating residential zip codes and columns indicating provider zip codes. Values in each cell represented the number of persons residing in a zip code and obtaining care in a particular zip code, either the zip code of their residence or another zip code. The frequencies in each cell were then converted to proportions in order to account for different populations. A hierarchical cluster analysis was performed. Hierarchical clusters were built from the individual elements by progressively merging them. Each merger occurred at a greater distance between clusters than the previous merge. That is, zip codes were gradually combined based on similar patient commuting patterns. Afterwards, the clusters (based on zip codes) that emerged were then converted to either minor civil divisions (in rural areas) or census tracts (in urban areas) to form an initial set of RSAs for analysis. This methodology was based on the methodology employed by the Economic Research Service of the U.S. Department of Agriculture to construct commuting zones based on 1980 and 1990 journey-to-work data: "U.S. Commuting Zones and Labor Market Areas: 1990 Update" by Charles M. Tolbert and Molly Sizer, Rural Economy Division, Economic Research Service, U.S. Department of Agriculture, Staff Paper No. AGES-9614.

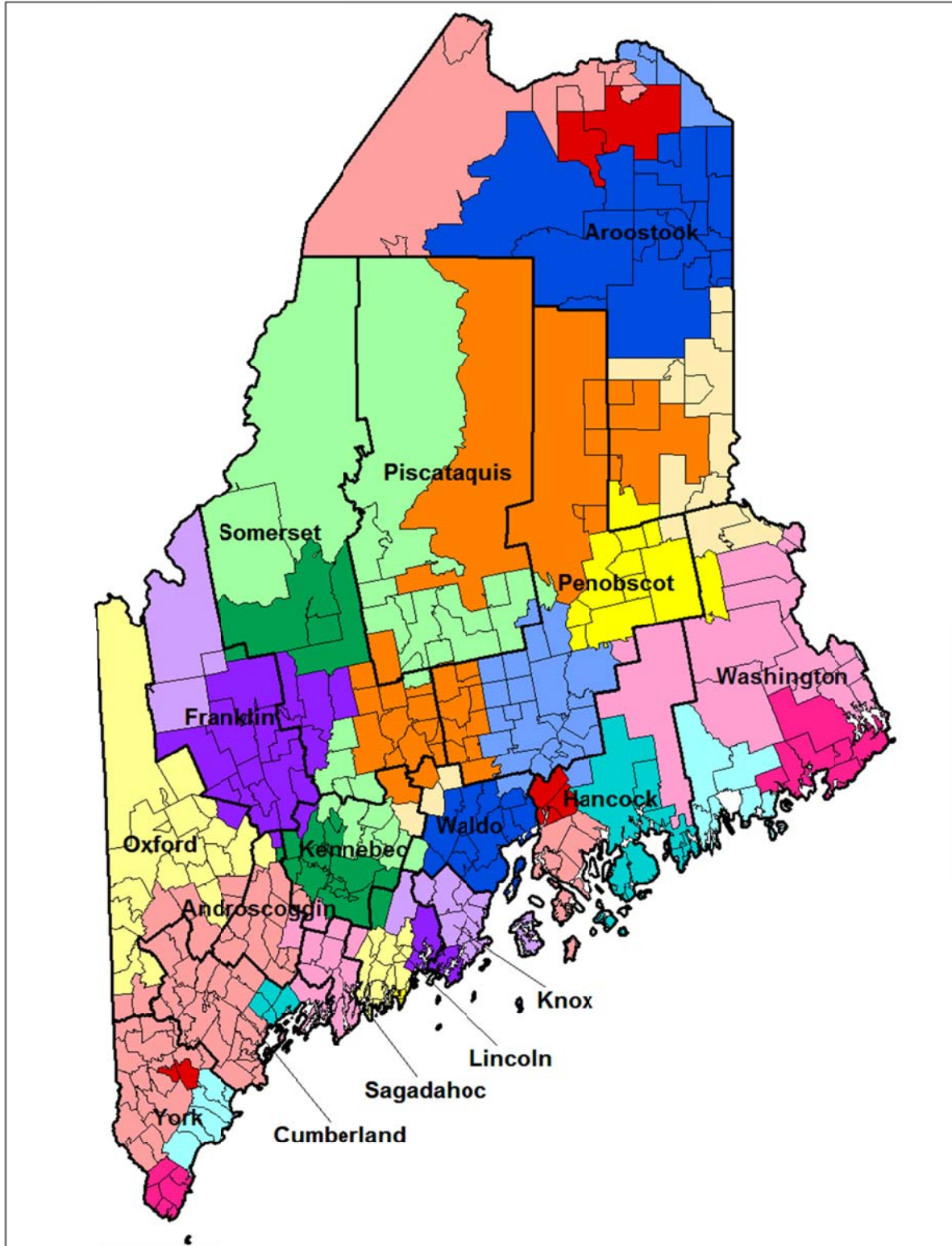
The first map shows the dental RSAs for all patients with dental insurance in Maine who utilized a preventive or restorative dental service. The second map shows the RSAs only for MaineCare-insured patients who received a preventive or restorative dental service in 2009 or 2010. Each colored area on the map represents an RSA for insured people living in that area.

Figure 6. Rational Dental Service Areas for All Patients with Any Dental Insurance Who Received At Least One Dental Service in 2009 and 2010



Source: MHDO, CHWS, 2012

Figure 7. Rational Dental Service Areas for All Patients with MaineCare Insurance Who Received At Least One Dental Service in 2009 and 2010



Sources: MHDO, CHWS, 2012

Commuting Distances for Dental Services

The following tables describe the average commuting distances for patients from each township in Maine to obtain primary dental services. These tables were compiled from the dental claims data from two years, 2009 and 2010. Data were compiled and de-duplicated so that the summary file contained only unique patients who had obtained at least one primary dental service sometime in the two-year period.

The distances presented in the tables were computed by identifying the geographic center of a patient's residential zip code and calculating the Euclidean (straight line) distance to the geographic center of the dental provider's zip code. This method has some limitations. Patients commuting from the border of a zip code to the border of another zip code may be commuting more or less distance than others commuting to and from the same zip code. The data in these tables were reported in averages to provide a broad idea of how people in a particular township commuted to receive a general dental service. Only patients who received a preventive or restorative service in the two-year period were included in these analyses. Patients receiving only specialty dental services were excluded from the analyses. Since there were fewer dental specialty providers in the state than general dentists, average commuting distances for specialty services would likely be greater than those presented in these tables.

People with MaineCare insurance traveled almost twice as far, on average, to obtain dental services as people with private dental insurance in Maine. In the two year period of 2009 to 2010, 595,223 unique people living in Maine with private dental insurance received at least one preventive or restorative dental service and traveled an average of 10.6 miles to obtain dental care. In the same period, 81,580 unique people living in Maine with MaineCare insurance received at least one preventive or restorative dental service and traveled an average of 21.3 miles to obtain dental care.

While average distances traveled varied by township and type of insurance, MaineCare-insured patients generally traveled farther for care. In Portland, the average distance traveled to obtain a dental service did not vary substantially with privately insured patients traveling an average of 5.4 miles and MaineCare-insured patients traveling an average of 6.9 miles. In Lewiston, privately insured patients traveled an average of 7.0 miles for dental care while MaineCare-insured patients traveled an average of 13.5 miles. In Bangor, people with private dental insurance traveled an average of 7.4 miles for care while people insured by MaineCare traveled an average of 17.9 miles.

In some places, people with MaineCare traveled less, on average, than privately insured patients to obtain dental care. In Plymouth, MaineCare-insured patients traveled an average of 13.6 miles and privately insured patients traveled an average of 19.2 miles for dental care. In Eastport, MaineCare-insured people traveled an average of 10.5 miles while privately insured patients traveled an average of 22.5 miles to obtain dental care. However, these commuting patterns were exceptions as most MaineCare-insured people traveled greater distances than privately insured individuals. In some places in Maine, the differences in average travel distances were quite high. In Kittery, privately insured patients traveled an average of 6.3 miles for dental care while MaineCare-insured people traveled an average of 30.4 miles for care. While privately insured people in Frenchville traveled a considerable distance for dental care (an average of 19.6 miles), MaineCare-insured people in Frenchville traveled an average of 60.3 miles to obtain dental services.

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Abbot		
All Patients	282	25.7
Patients With MaineCare	57	26.1
Patients with Private Dental Insurance	225	25.6
Acton		
All Patients	932	16
Patients With MaineCare	172	18.6
Patients with Private Dental Insurance	760	15.4
Addison		
All Patients	253	27
Patients With MaineCare	90	27.9
Patients with Private Dental Insurance	163	26.5
Albion		
All Patients	942	12.2
Patients With MaineCare	216	21.5
Patients with Private Dental Insurance	726	9.4
Alfred		
All Patients	1744	9.4
Patients With MaineCare	180	10.5
Patients with Private Dental Insurance	1564	9.3
Alna		
All Patients	337	15.8
Patients With MaineCare	47	19.9
Patients with Private Dental Insurance	290	15.1
Andover		
All Patients	261	43.6
Patients With MaineCare	62	55.9
Patients with Private Dental Insurance	199	39.8
Anson		
All Patients	718	24.7
Patients With MaineCare	238	38.5
Patients with Private Dental Insurance	480	17.8
Ashland		
All Patients	395	35.2
Patients With MaineCare	113	37.1
Patients with Private Dental Insurance	282	34.4

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Athens		
All Patients	283	21.6
Patients With MaineCare	81	31.7
Patients with Private Dental Insurance	202	17.6
Auburn		
All Patients	13312	8.2
Patients With MaineCare	1642	14.9
Patients with Private Dental Insurance	11670	7.3
Augusta		
All Patients	16377	10
Patients With MaineCare	2321	17.2
Patients with Private Dental Insurance	14056	8.9
Aurora		
All Patients	64	30.7
Patients With MaineCare	12	25.3
Patients with Private Dental Insurance	52	32.0
Bailey Island		
All Patients	181	13.8
Patients With MaineCare	30	18.5
Patients with Private Dental Insurance	151	12.9
Baileyville		
All Patients	905	59.7
Patients With MaineCare	273	43.0
Patients with Private Dental Insurance	632	66.8
Bangor		
All Patients	22980	8.1
Patients With MaineCare	1526	17.9
Patients with Private Dental Insurance	21454	7.4
Bar Harbor		
All Patients	2685	12.1
Patients With MaineCare	169	28.1
Patients with Private Dental Insurance	2516	11.0
Bar Mills		
All Patients	361	8.2
Patients With MaineCare	41	10.7
Patients with Private Dental Insurance	320	7.9
Bass Harbor		
All Patients	160	31.3
Patients With MaineCare	41	41.0
Patients with Private Dental Insurance	119	27.9

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Bath		
All Patients	4939	11.5
Patients With MaineCare	940	25.1
Patients with Private Dental Insurance	3999	8.3
Beals		
All Patients	85	34.8
Patients With MaineCare	51	38.9
Patients with Private Dental Insurance	34	28.8
Belfast		
All Patients	3165	9.8
Patients With MaineCare	542	9.1
Patients with Private Dental Insurance	2623	9.9
Belgrade		
All Patients	2090	15.3
Patients With MaineCare	145	19.7
Patients with Private Dental Insurance	1945	15.0
Belgrade Lakes		
All Patients	210	16.1
Patients With MaineCare	6	15.9
Patients with Private Dental Insurance	204	16.1
Benedicta		
All Patients	85	38.3
Patients With MaineCare	12	41.3
Patients with Private Dental Insurance	73	37.8
Bernard		
All Patients	145	20.5
Patients With MaineCare	30	30.1
Patients with Private Dental Insurance	115	18.0
Berwick		
All Patients	1068	16
Patients With MaineCare	304	22.4
Patients with Private Dental Insurance	764	13.5
Bethel		
All Patients	1572	17.2
Patients With MaineCare	265	33.0
Patients with Private Dental Insurance	1307	14.0
Biddeford		
All Patients	16637	9.4
Patients With MaineCare	2266	16.5
Patients with Private Dental Insurance	14371	8.3

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Biddeford Pool		
All Patients	123	11.4
Patients With MaineCare	2	13.8
Patients with Private Dental Insurance	121	11.4
Bingham		
All Patients	442	33.3
Patients With MaineCare	141	50.7
Patients with Private Dental Insurance	301	25.1
Birch Harbor		
All Patients	85	25.9
Patients With MaineCare	27	26.9
Patients with Private Dental Insurance	58	25.5
Blaine		
All Patients	212	23.4
Patients With MaineCare	46	19.3
Patients with Private Dental Insurance	166	24.6
Blue Hill		
All Patients	1185	12.2
Patients With MaineCare	182	32.8
Patients with Private Dental Insurance	1003	8.5
Boothbay		
All Patients	902	8.5
Patients With MaineCare	167	18.2
Patients with Private Dental Insurance	735	6.3
Boothbay Harbor		
All Patients	711	8.2
Patients With MaineCare	86	16.0
Patients with Private Dental Insurance	625	7.1
Bowdoin		
All Patients	1613	12.9
Patients With MaineCare	171	23.3
Patients with Private Dental Insurance	1442	11.7
Bowdoinham		
All Patients	1675	14
Patients With MaineCare	189	24.1
Patients with Private Dental Insurance	1486	12.7
Bradford		
All Patients	483	19.3
Patients With MaineCare	56	20.2
Patients with Private Dental Insurance	427	19.2

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Bradley		
All Patients	798	15.1
Patients With MaineCare	60	23.3
Patients with Private Dental Insurance	738	14.4
Bremen		
All Patients	285	16.2
Patients With MaineCare	43	28.9
Patients with Private Dental Insurance	242	14.0
Brewer		
All Patients	5865	8
Patients With MaineCare	296	14.3
Patients with Private Dental Insurance	5569	7.6
Bridgewater		
All Patients	179	23.8
Patients With MaineCare	77	24.9
Patients with Private Dental Insurance	102	23.0
Bridgton		
All Patients	1834	19.2
Patients With MaineCare	284	33.1
Patients with Private Dental Insurance	1550	16.7
Bristol		
All Patients	433	12
Patients With MaineCare	66	27.2
Patients with Private Dental Insurance	367	9.3
Brooklin		
All Patients	304	21.4
Patients With MaineCare	58	32.6
Patients with Private Dental Insurance	246	18.8
Brooks		
All Patients	935	16.8
Patients With MaineCare	195	18.7
Patients with Private Dental Insurance	740	16.3
Brooksville		
All Patients	260	17.8
Patients With MaineCare	45	28.1
Patients with Private Dental Insurance	215	15.6
Brookton		
All Patients	53	49.9
Patients With MaineCare	33	52.0
Patients with Private Dental Insurance	20	46.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Brownfield		
All Patients	316	18.7
Patients With MaineCare	49	23.9
Patients with Private Dental Insurance	267	17.8
Brownville		
All Patients	426	24.6
Patients With MaineCare	63	31.7
Patients with Private Dental Insurance	363	23.3
Brownville Junction		
All Patients	117	18.9
Patients With MaineCare	30	31.9
Patients with Private Dental Insurance	87	14.4
Brunswick		
All Patients	11043	8.8
Patients With MaineCare	838	20.6
Patients with Private Dental Insurance	10205	7.9
Bryant Pond		
All Patients	646	15.7
Patients With MaineCare	101	23.6
Patients with Private Dental Insurance	545	14.2
Buckfield		
All Patients	1489	16.3
Patients With MaineCare	226	23.1
Patients with Private Dental Insurance	1263	15.0
Bucksport		
All Patients	2238	11.1
Patients With MaineCare	265	18.0
Patients with Private Dental Insurance	1973	10.2
Burlington		
All Patients	101	19.8
Patients With MaineCare	10	27.3
Patients with Private Dental Insurance	91	19.0
Burnham		
All Patients	352	18.8
Patients With MaineCare	99	21.2
Patients with Private Dental Insurance	253	17.9
Bustins Island		
All Patients	5	13.8
Patients With MaineCare	5	13.8
Patients with Private Dental Insurance	N/A	N/A

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Buxton		
All Patients	5504	10.9
Patients With MaineCare	360	16.9
Patients with Private Dental Insurance	5144	10.4
Calais		
All Patients	1004	18.3
Patients With MaineCare	307	16.4
Patients with Private Dental Insurance	697	19.1
Cambridge		
All Patients	130	17.9
Patients With MaineCare	50	22.2
Patients with Private Dental Insurance	80	15.3
Camden		
All Patients	2327	7.8
Patients With MaineCare	160	29.7
Patients with Private Dental Insurance	2167	6.2
Canaan		
All Patients	1020	19.1
Patients With MaineCare	262	25.9
Patients with Private Dental Insurance	758	16.7
Canton		
All Patients	398	20.9
Patients With MaineCare	86	25.2
Patients with Private Dental Insurance	312	19.7
Cape Elizabeth		
All Patients	8223	5.7
Patients With MaineCare	107	19.2
Patients with Private Dental Insurance	8116	5.5
Cape Neddick		
All Patients	919	7.1
Patients With MaineCare	32	19.8
Patients with Private Dental Insurance	887	6.6
Cape Porpoise		
All Patients	182	14.3
Patients With MaineCare	14	29.0
Patients with Private Dental Insurance	168	13.1
Caratunk		
All Patients	21	43.8
Patients With MaineCare	1	44.1
Patients with Private Dental Insurance	20	43.8

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Caribou		
All Patients	3224	23.3
Patients With MaineCare	810	42.9
Patients with Private Dental Insurance	2414	16.7
Carmel		
All Patients	2353	14.4
Patients With MaineCare	238	34.6
Patients with Private Dental Insurance	2115	12.2
Casco		
All Patients	1770	18.2
Patients With MaineCare	194	31.0
Patients with Private Dental Insurance	1576	16.6
Castine		
All Patients	443	11.7
Patients With MaineCare	8	23.5
Patients with Private Dental Insurance	435	11.5
Center Lovell		
All Patients	49	17.5
Patients With MaineCare	1	46.5
Patients with Private Dental Insurance	48	16.9
Chamberlain		
All Patients	34	12.9
Patients With MaineCare	2	9.8
Patients with Private Dental Insurance	32	13.0
Charleston		
All Patients	485	18.4
Patients With MaineCare	91	26.3
Patients with Private Dental Insurance	394	16.6
Chebeague Island		
All Patients	138	8.9
Patients With MaineCare	4	16.8
Patients with Private Dental Insurance	134	8.7
Cherryfield		
All Patients	314	29.5
Patients With MaineCare	61	36.5
Patients with Private Dental Insurance	253	27.8
China Village		
All Patients	8	6.4
Patients With MaineCare	8	6.4
Patients with Private Dental Insurance	N/A	N/A

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Cliff Island		
All Patients	26	11.4
Patients With MaineCare	3	8.7
Patients with Private Dental Insurance	23	11.8
Clinton		
All Patients	1461	18.6
Patients With MaineCare	411	26.0
Patients with Private Dental Insurance	1050	15.7
Columbia Falls		
All Patients	258	25.8
Patients With MaineCare	87	25.2
Patients with Private Dental Insurance	171	26.1
Coopers Mills		
All Patients	370	14.2
Patients With MaineCare	67	21.8
Patients with Private Dental Insurance	303	12.5
Corea		
All Patients	44	25.5
Patients With MaineCare	1	27.4
Patients with Private Dental Insurance	43	25.4
Corinna		
All Patients	808	17.7
Patients With MaineCare	230	17.4
Patients with Private Dental Insurance	578	17.9
Corinth		
All Patients	1376	15.8
Patients With MaineCare	184	19.6
Patients with Private Dental Insurance	1192	15.2
Cornish		
All Patients	770	19.1
Patients With MaineCare	74	27.9
Patients with Private Dental Insurance	696	18.1
Cranberry Isles		
All Patients	2	42.1
Patients With MaineCare	1	53.8
Patients with Private Dental Insurance	1	30.5
Cumberland Center		
All Patients	5760	7.2
Patients With MaineCare	90	17.4
Patients with Private Dental Insurance	5670	7.0

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Cumberland Foreside		
All Patients	992	7.4
Patients With MaineCare	7	8.6
Patients with Private Dental Insurance	985	7.4
Cushing		
All Patients	677	17.2
Patients With MaineCare	118	29.1
Patients with Private Dental Insurance	559	14.7
Cutler		
All Patients	118	37
Patients With MaineCare	44	32.4
Patients with Private Dental Insurance	74	39.7
Damariscotta		
All Patients	1007	11.8
Patients With MaineCare	173	25.0
Patients with Private Dental Insurance	834	9.1
Danforth		
All Patients	209	42.4
Patients With MaineCare	85	43.3
Patients with Private Dental Insurance	124	41.7
Danville		
All Patients	73	10.7
Patients With MaineCare	2	27.9
Patients with Private Dental Insurance	71	10.2
Deer Isle		
All Patients	390	10.3
Patients With MaineCare	132	6.6
Patients with Private Dental Insurance	258	12.2
Denmark		
All Patients	365	17.9
Patients With MaineCare	45	26.0
Patients with Private Dental Insurance	320	16.8
Dennysville		
All Patients	184	27.2
Patients With MaineCare	49	22.1
Patients with Private Dental Insurance	135	29.0
Detroit		
All Patients	266	18.8
Patients With MaineCare	85	20.1
Patients with Private Dental Insurance	181	18.3

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Dexter		
All Patients	1389	15.5
Patients With MaineCare	497	17.5
Patients with Private Dental Insurance	892	14.4
Dixfield		
All Patients	1624	18.9
Patients With MaineCare	353	25.9
Patients with Private Dental Insurance	1271	17.0
Dixmont		
All Patients	498	20.2
Patients With MaineCare	71	25.5
Patients with Private Dental Insurance	427	19.3
Dover Foxcroft		
All Patients	2265	11.2
Patients With MaineCare	387	20.2
Patients with Private Dental Insurance	1878	9.3
Dresden		
All Patients	730	17.4
Patients With MaineCare	119	18.9
Patients with Private Dental Insurance	611	17.1
Dryden		
All Patients	84	13.7
Patients With MaineCare	31	15.7
Patients with Private Dental Insurance	53	12.6
Durham		
All Patients	2450	12.8
Patients With MaineCare	115	19.8
Patients with Private Dental Insurance	2335	12.5
Eagle Lake		
All Patients	198	12.4
Patients With MaineCare	84	15.7
Patients with Private Dental Insurance	114	10.1
East Andover		
All Patients	67	21.3
Patients With MaineCare	15	20.0
Patients with Private Dental Insurance	52	21.6
East Baldwin		
All Patients	351	20.4
Patients With MaineCare	48	29.5
Patients with Private Dental Insurance	303	18.9

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
East Blue Hill		
All Patients	18	9.7
Patients With MaineCare	3	32.9
Patients with Private Dental Insurance	15	5.0
East Boothbay		
All Patients	248	11.9
Patients With MaineCare	21	23.0
Patients with Private Dental Insurance	227	10.8
East Dixfield		
All Patients	134	17.5
Patients With MaineCare	25	20.0
Patients with Private Dental Insurance	109	16.9
East Livermore		
All Patients	38	20
Patients With MaineCare	11	32.0
Patients with Private Dental Insurance	27	15.2
East Machias		
All Patients	498	25.7
Patients With MaineCare	149	28.0
Patients with Private Dental Insurance	349	24.7
East Millinocket		
All Patients	645	21.5
Patients With MaineCare	64	31.3
Patients with Private Dental Insurance	581	20.4
East Newport		
All Patients	6	24.1
Patients With MaineCare	3	14.8
Patients with Private Dental Insurance	3	33.4
East Orland		
All Patients	168	12.5
Patients With MaineCare	17	12.4
Patients with Private Dental Insurance	151	12.5
East Parsonsfield		
All Patients	59	20.8
Patients With MaineCare	17	23.2
Patients with Private Dental Insurance	42	19.9
East Poland		
All Patients	59	6.8
Patients With MaineCare	6	20.5
Patients with Private Dental Insurance	53	5.2

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
East Vassalboro		
All Patients	25	8.3
Patients With MaineCare	1	6.2
Patients with Private Dental Insurance	24	8.4
East Waterboro		
All Patients	1388	13.4
Patients With MaineCare	135	19.5
Patients with Private Dental Insurance	1253	12.7
East Wilton		
All Patients	175	10.7
Patients With MaineCare	31	20.4
Patients with Private Dental Insurance	144	15.3
East Winthrop		
All Patients	219	10.6
Patients With MaineCare	17	12.8
Patients with Private Dental Insurance	202	10.4
Easton		
All Patients	424	17.1
Patients With MaineCare	115	17.5
Patients with Private Dental Insurance	309	17.0
Eastport		
All Patients	303	19.8
Patients With MaineCare	67	10.5
Patients with Private Dental Insurance	236	22.5
Eddington		
All Patients	1691	18.2
Patients With MaineCare	144	51.8
Patients with Private Dental Insurance	1547	15.1
Edgecomb		
All Patients	580	14
Patients With MaineCare	78	21.2
Patients with Private Dental Insurance	502	12.9
Eliot		
All Patients	1429	8.2
Patients With MaineCare	139	29.3
Patients with Private Dental Insurance	1290	5.9
Ellsworth		
All Patients	6431	15.9
Patients With MaineCare	1061	18.4
Patients with Private Dental Insurance	5370	15.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Etna		
All Patients	557	20
Patients With MaineCare	84	20.5
Patients with Private Dental Insurance	473	19.9
Eustis		
All Patients	70	50.3
Patients With MaineCare	5	40.6
Patients with Private Dental Insurance	65	51.1
Exeter		
All Patients	418	17.9
Patients With MaineCare	103	16.7
Patients with Private Dental Insurance	315	18.3
Fairfield		
All Patients	3189	15.6
Patients With MaineCare	704	23.2
Patients with Private Dental Insurance	2485	13.5
Falmouth		
All Patients	9974	5.8
Patients With MaineCare	143	9.8
Patients with Private Dental Insurance	9831	5.8
Farmingdale		
All Patients	1962	9.2
Patients With MaineCare	211	16.2
Patients with Private Dental Insurance	1751	8.4
Farmington		
All Patients	3897	13.6
Patients With MaineCare	655	28.4
Patients with Private Dental Insurance	3242	10.6
Farmington Falls		
All Patients	6	2.9
Patients With MaineCare	6	2.9
Patients with Private Dental Insurance	N/A	N/A
Fort Fairfield		
All Patients	1091	14.3
Patients With MaineCare	428	14.3
Patients with Private Dental Insurance	663	14.3
Fort Kent		
All Patients	1186	16.1
Patients With MaineCare	460	19.0
Patients with Private Dental Insurance	726	14.3

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Fort Kent Mills		
All Patients	7	16
Patients With MaineCare	4	16.0
Patients with Private Dental Insurance	3	16.0
Frankfort		
All Patients	1189	14.5
Patients With MaineCare	234	14.8
Patients with Private Dental Insurance	955	14.5
Franklin		
All Patients	653	16.5
Patients With MaineCare	189	16.3
Patients with Private Dental Insurance	464	16.5
Freedom		
All Patients	711	17.7
Patients With MaineCare	129	19.2
Patients with Private Dental Insurance	582	17.4
Freeport		
All Patients	5052	10
Patients With MaineCare	264	13.0
Patients with Private Dental Insurance	4788	9.9
Frenchboro		
All Patients	11	43.4
Patients With MaineCare	9	40.6
Patients with Private Dental Insurance	2	56.1
Frenchville		
All Patients	203	41.7
Patients With MaineCare	110	60.3
Patients with Private Dental Insurance	93	19.6
Friendship		
All Patients	417	18.5
Patients With MaineCare	102	33.0
Patients with Private Dental Insurance	315	13.8
Fryeburg		
All Patients	804	11
Patients With MaineCare	163	14.3
Patients with Private Dental Insurance	641	10.2
Gardiner		
All Patients	7512	12.1
Patients With MaineCare	723	18.8
Patients with Private Dental Insurance	6789	11.4

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Garland		
All Patients	418	16.6
Patients With MaineCare	136	18.2
Patients with Private Dental Insurance	282	15.9
Georgetown		
All Patients	422	15.8
Patients With MaineCare	39	28.8
Patients with Private Dental Insurance	383	14.5
Glen Cove		
All Patients	66	12.1
Patients With MaineCare	12	34.9
Patients with Private Dental Insurance	54	7.0
Gorham		
All Patients	13239	8.8
Patients With MaineCare	587	16.4
Patients with Private Dental Insurance	12652	8.4
Gouldsboro		
All Patients	363	21.9
Patients With MaineCare	111	25.5
Patients with Private Dental Insurance	252	20.3
Grand Isle		
All Patients	55	90.3
Patients With MaineCare	29	123.8
Patients with Private Dental Insurance	26	53.1
Grand Lake Stream		
All Patients	1	16.6
Patients With MaineCare	1	16.6
Patients with Private Dental Insurance	N/A	N/A
Gray		
All Patients	5467	11.7
Patients With MaineCare	273	18.1
Patients with Private Dental Insurance	5194	11.3
Greenbush		
All Patients	663	27.2
Patients With MaineCare	128	66.5
Patients with Private Dental Insurance	535	17.8
Greene		
All Patients	2559	11
Patients With MaineCare	193	15.2
Patients with Private Dental Insurance	2366	10.6

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Greenville		
All Patients	631	34.6
Patients With MaineCare	121	29.1
Patients with Private Dental Insurance	510	35.9
Greenville Junction		
All Patients	182	20.7
Patients With MaineCare	30	20.7
Patients with Private Dental Insurance	152	20.7
Greenwood		
All Patients	367	17.6
Patients With MaineCare	72	25.1
Patients with Private Dental Insurance	295	15.8
Guilford		
All Patients	1028	17.8
Patients With MaineCare	267	23.8
Patients with Private Dental Insurance	761	15.6
Hallowell		
All Patients	1698	9.4
Patients With MaineCare	59	13.8
Patients with Private Dental Insurance	1639	9.3
Hampden		
All Patients	5577	10.2
Patients With MaineCare	147	15.0
Patients with Private Dental Insurance	5430	10.1
Hancock		
All Patients	955	14.8
Patients With MaineCare	195	16.6
Patients with Private Dental Insurance	760	14.4
Hanover		
All Patients	91	14.2
Patients With MaineCare	9	15.6
Patients with Private Dental Insurance	82	14.0
Harborside		
All Patients	45	17.6
Patients With MaineCare	3	24.6
Patients with Private Dental Insurance	42	17.1
Harmony		
All Patients	336	26.9
Patients With MaineCare	112	33.6
Patients with Private Dental Insurance	224	23.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Harpswell		
All Patients	1970	11.5
Patients With MaineCare	145	21.3
Patients with Private Dental Insurance	1825	10.7
Harrington		
All Patients	390	46
Patients With MaineCare	151	47.6
Patients with Private Dental Insurance	239	45.0
Harrison		
All Patients	1993	18.1
Patients With MaineCare	283	28.5
Patients with Private Dental Insurance	1710	16.4
Hartland		
All Patients	698	19.9
Patients With MaineCare	261	24.7
Patients with Private Dental Insurance	437	17.1
Hebron		
All Patients	643	13.3
Patients With MaineCare	69	21.4
Patients with Private Dental Insurance	574	12.4
Hinckley		
All Patients	3	15.5
Patients With MaineCare	3	15.5
Patients with Private Dental Insurance	N/A	N/A
Hiram		
All Patients	688	20.8
Patients With MaineCare	83	31.5
Patients with Private Dental Insurance	605	19.3
Holden		
All Patients	3070	14.9
Patients With MaineCare	113	32.7
Patients with Private Dental Insurance	2957	14.2
Hollis Center		
All Patients	2952	11.6
Patients With MaineCare	238	18.8
Patients with Private Dental Insurance	2714	11.0
Hope		
All Patients	668	8.8
Patients With MaineCare	74	22.9
Patients with Private Dental Insurance	594	7.0

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Houlton		
All Patients	3678	14.5
Patients With MaineCare	1149	21.9
Patients with Private Dental Insurance	2529	11.1
Howland		
All Patients	535	20.4
Patients With MaineCare	29	35.9
Patients with Private Dental Insurance	506	19.5
Hudson		
All Patients	687	13.4
Patients With MaineCare	59	22.6
Patients with Private Dental Insurance	628	12.6
Hulls Cove		
All Patients	4	15.4
Patients With MaineCare	3	18.6
Patients with Private Dental Insurance	1	5.7
Island Falls		
All Patients	406	28.1
Patients With MaineCare	101	34.8
Patients with Private Dental Insurance	305	25.9
Isle au Haut		
All Patients	9	9.6
Patients With MaineCare	5	9.6
Patients with Private Dental Insurance	4	9.6
Islesboro		
All Patients	125	13.2
Patients With MaineCare	29	12.9
Patients with Private Dental Insurance	96	13.3
Islesford		
All Patients	10	29.2
Patients With MaineCare	3	29.1
Patients with Private Dental Insurance	7	29.2
Jackman		
All Patients	339	65
Patients With MaineCare	70	58.8
Patients with Private Dental Insurance	269	66.7
Jay		
All Patients	1782	16.6
Patients With MaineCare	398	26.5
Patients with Private Dental Insurance	1384	13.7

Source: MHDO, CHWS, 2012

Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010 (continued)

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Jefferson		
All Patients	1227	16.4
Patients With MaineCare	138	26.1
Patients with Private Dental Insurance	1089	15.2
Jonesboro		
All Patients	215	30.7
Patients With MaineCare	57	31.1
Patients with Private Dental Insurance	158	30.5
Jonesport		
All Patients	259	34.7
Patients With MaineCare	82	40.4
Patients with Private Dental Insurance	177	32.1
Kenduskeag		
All Patients	625	11.7
Patients With MaineCare	50	16.8
Patients with Private Dental Insurance	575	11.3
Kennebunk		
All Patients	6997	8.3
Patients With MaineCare	324	12.1
Patients with Private Dental Insurance	6673	8.2
Kennebunkport		
All Patients	2047	9.3
Patients With MaineCare	81	15.5
Patients with Private Dental Insurance	1966	9.0
Kents Hill		
All Patients	813	19.9
Patients With MaineCare	62	22.5
Patients with Private Dental Insurance	751	19.7
Kingfield		
All Patients	743	39.3
Patients With MaineCare	70	44.2
Patients with Private Dental Insurance	673	38.8
Kingman		
All Patients	33	31.2
Patients With MaineCare	3	66.2
Patients with Private Dental Insurance	30	27.7
Kittery		
All Patients	1409	9.5
Patients With MaineCare	192	30.4
Patients with Private Dental Insurance	1217	6.3

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Kittery Point		
All Patients	373	7.6
Patients With MaineCare	18	31.6
Patients with Private Dental Insurance	355	6.4
Lagrange		
All Patients	360	22.4
Patients With MaineCare	56	29.8
Patients with Private Dental Insurance	304	21.0
Lambert Lake		
All Patients	17	55.4
Patients With MaineCare	6	70.4
Patients with Private Dental Insurance	11	47.2
Lebanon		
All Patients	1273	12.1
Patients With MaineCare	391	12.9
Patients with Private Dental Insurance	882	11.7
Lee		
All Patients	412	16.1
Patients With MaineCare	16	29.1
Patients with Private Dental Insurance	396	15.5
Leeds		
All Patients	1120	15
Patients With MaineCare	164	20.9
Patients with Private Dental Insurance	956	13.9
Levant		
All Patients	1466	14.7
Patients With MaineCare	152	39.6
Patients with Private Dental Insurance	1314	11.8
Lewiston		
All Patients	15913	8.3
Patients With MaineCare	3059	13.5
Patients with Private Dental Insurance	12854	7.0
Liberty		
All Patients	439	20
Patients With MaineCare	79	25.0
Patients with Private Dental Insurance	360	19.0
Limerick		
All Patients	1816	20.2
Patients With MaineCare	249	24.6
Patients with Private Dental Insurance	1567	19.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Limestone		
All Patients	621	31.5
Patients With MaineCare	254	45.4
Patients with Private Dental Insurance	367	21.9
Limington		
All Patients	2153	16.7
Patients With MaineCare	247	23.2
Patients with Private Dental Insurance	1906	15.8
Lincoln		
All Patients	2535	10.9
Patients With MaineCare	118	27.6
Patients with Private Dental Insurance	2417	10.1
Lincolnvile		
All Patients	1655	10.3
Patients With MaineCare	188	15.6
Patients with Private Dental Insurance	1467	9.6
Lincolnvile Center		
All Patients	66	10.4
Patients With MaineCare	16	11.0
Patients with Private Dental Insurance	50	10.2
Lisbon		
All Patients	2293	9.6
Patients With MaineCare	231	20.6
Patients with Private Dental Insurance	2062	8.4
Lisbon Falls		
All Patients	2470	11
Patients With MaineCare	279	21.2
Patients with Private Dental Insurance	2191	9.7
Litchfield		
All Patients	2126	18.2
Patients With MaineCare	238	25.1
Patients with Private Dental Insurance	1888	17.3
Little Deer Isle		
All Patients	70	20
Patients With MaineCare	24	19.1
Patients with Private Dental Insurance	46	20.4
Livermore		
All Patients	987	16.4
Patients With MaineCare	127	28.0
Patients with Private Dental Insurance	860	14.7

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Livermore Falls		
All Patients	1123	18.7
Patients With MaineCare	405	26.3
Patients with Private Dental Insurance	718	14.5
Long Island		
All Patients	95	8.1
Patients With MaineCare	6	9.0
Patients with Private Dental Insurance	89	8.0
Lovell		
All Patients	269	21.6
Patients With MaineCare	51	23.1
Patients with Private Dental Insurance	218	21.3
Lubec		
All Patients	325	22.4
Patients With MaineCare	79	34.2
Patients with Private Dental Insurance	246	18.7
Machias		
All Patients	1014	24.1
Patients With MaineCare	271	26.9
Patients with Private Dental Insurance	743	23.1
Machiasport		
All Patients	279	33.4
Patients With MaineCare	95	33.2
Patients with Private Dental Insurance	184	33.5
Madawaska		
All Patients	393	56.6
Patients With MaineCare	204	82.7
Patients with Private Dental Insurance	189	28.3
Madison		
All Patients	1841	14.7
Patients With MaineCare	370	31.5
Patients with Private Dental Insurance	1471	10.5
Manchester		
All Patients	2065	11
Patients With MaineCare	92	18.1
Patients with Private Dental Insurance	1973	10.6
Mapleton		
All Patients	1014	17.6
Patients With MaineCare	160	18.1
Patients with Private Dental Insurance	854	17.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Mars Hill		
All Patients	638	21.7
Patients With MaineCare	144	22.4
Patients with Private Dental Insurance	494	21.5
Matinicus		
All Patients	6	34
Patients With MaineCare	4	34.3
Patients with Private Dental Insurance	2	33.3
Mattawamkeag		
All Patients	246	23.2
Patients With MaineCare	22	33.7
Patients with Private Dental Insurance	224	22.2
Mechanic Falls		
All Patients	1419	10.7
Patients With MaineCare	195	17.3
Patients with Private Dental Insurance	1224	9.7
Meddybemps		
All Patients	84	21.6
Patients With MaineCare	22	13.1
Patients with Private Dental Insurance	62	24.6
Medway		
All Patients	461	24.2
Patients With MaineCare	41	31.9
Patients with Private Dental Insurance	420	23.5
Mexico		
All Patients	1317	14.3
Patients With MaineCare	406	17.4
Patients with Private Dental Insurance	911	13.0
Milbridge		
All Patients	294	24.5
Patients With MaineCare	108	26.5
Patients with Private Dental Insurance	186	23.4
Milford		
All Patients	1536	14.9
Patients With MaineCare	123	20.9
Patients with Private Dental Insurance	1413	14.4
Millinocket		
All Patients	1714	34.3
Patients With MaineCare	163	27.8
Patients with Private Dental Insurance	1551	35.0

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Milo		
All Patients	758	31.4
Patients With MaineCare	210	41.2
Patients with Private Dental Insurance	548	27.7
Minot		
All Patients	1569	7.5
Patients With MaineCare	98	15.4
Patients with Private Dental Insurance	1471	7.0
Monhegan		
All Patients	16	38.6
Patients With MaineCare	16	38.6
Patients with Private Dental Insurance	N/A	N/A
Monmouth		
All Patients	2779	15.8
Patients With MaineCare	283	21.0
Patients with Private Dental Insurance	2496	15.3
Monroe		
All Patients	333	15.9
Patients With MaineCare	49	16.5
Patients with Private Dental Insurance	284	15.7
Monson		
All Patients	207	21.6
Patients With MaineCare	67	24.0
Patients with Private Dental Insurance	140	20.5
Monticello		
All Patients	243	22.4
Patients With MaineCare	82	26.5
Patients with Private Dental Insurance	161	20.4
Moody		
All Patients	257	9.9
Patients With MaineCare	23	12.4
Patients with Private Dental Insurance	234	9.7
Morrill		
All Patients	964	11.1
Patients With MaineCare	135	13.9
Patients with Private Dental Insurance	829	10.6
Mount Desert		
All Patients	680	14.4
Patients With MaineCare	38	32.2
Patients with Private Dental Insurance	642	13.4

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Mount Vernon		
All Patients	1396	20.9
Patients With MaineCare	131	24.4
Patients with Private Dental Insurance	1265	20.5
Naples		
All Patients	2014	16.9
Patients With MaineCare	188	28.8
Patients with Private Dental Insurance	1826	15.7
New Gloucester		
All Patients	3859	12.5
Patients With MaineCare	202	19.6
Patients with Private Dental Insurance	3657	12.1
New Harbor		
All Patients	265	18.3
Patients With MaineCare	42	27.9
Patients with Private Dental Insurance	223	16.5
New Limerick		
All Patients	9	4.9
Patients With MaineCare	1	4.9
Patients with Private Dental Insurance	8	4.9
New Portland		
All Patients	286	28.7
Patients With MaineCare	69	39.8
Patients with Private Dental Insurance	217	25.2
New Sharon		
All Patients	671	15.3
Patients With MaineCare	114	29.9
Patients with Private Dental Insurance	557	12.3
New Sweden		
All Patients	205	23.7
Patients With MaineCare	57	43.2
Patients with Private Dental Insurance	148	16.2
New Vineyard		
All Patients	312	18.3
Patients With MaineCare	56	32.8
Patients with Private Dental Insurance	256	15.1
Newcastle		
All Patients	842	11.4
Patients With MaineCare	87	20.5
Patients with Private Dental Insurance	755	10.4

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Newfield		
All Patients	145	17.3
Patients With MaineCare	28	21.4
Patients with Private Dental Insurance	117	16.3
Newport		
All Patients	1256	17.6
Patients With MaineCare	273	13.1
Patients with Private Dental Insurance	983	18.9
Newry		
All Patients	133	15.5
Patients With MaineCare	20	30.2
Patients with Private Dental Insurance	113	12.9
Nobleboro		
All Patients	754	12.4
Patients With MaineCare	96	22.0
Patients with Private Dental Insurance	658	11.0
Norridgewock		
All Patients	1789	19.3
Patients With MaineCare	311	27.1
Patients with Private Dental Insurance	1478	17.6
North Anson		
All Patients	662	26.3
Patients With MaineCare	164	47.1
Patients with Private Dental Insurance	498	19.4
North Berwick		
All Patients	1635	10.7
Patients With MaineCare	189	12.8
Patients with Private Dental Insurance	1446	10.4
North Bridgton		
All Patients	143	15.5
Patients With MaineCare	15	26.4
Patients with Private Dental Insurance	128	14.3
North Haven		
All Patients	130	17.3
Patients With MaineCare	16	27.5
Patients with Private Dental Insurance	114	15.9
North Jay		
All Patients	34	12.2
Patients With MaineCare	14	12.8
Patients with Private Dental Insurance	20	11.7

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
North Monmouth		
All Patients	628	15.3
Patients With MaineCare	61	17.7
Patients with Private Dental Insurance	567	15.1
North Turner		
All Patients	125	17.8
Patients With MaineCare	33	22.1
Patients with Private Dental Insurance	92	16.3
North Vassalboro		
All Patients	175	11.7
Patients With MaineCare	38	20.9
Patients with Private Dental Insurance	137	9.1
North Waterboro		
All Patients	1841	16.1
Patients With MaineCare	242	18.2
Patients with Private Dental Insurance	1599	15.8
North Waterford		
All Patients	42	28.6
Patients With MaineCare	5	40.6
Patients with Private Dental Insurance	37	27.0
North Yarmouth		
All Patients	3041	7.8
Patients With MaineCare	62	14.9
Patients with Private Dental Insurance	2979	7.7
Northeast Harbor		
All Patients	11	58.6
Patients With MaineCare	1	48.0
Patients with Private Dental Insurance	10	59.6
Norway		
All Patients	2316	14.3
Patients With MaineCare	449	28.8
Patients with Private Dental Insurance	1867	10.8
Oakfield		
All Patients	238	19.4
Patients With MaineCare	62	22.2
Patients with Private Dental Insurance	176	18.4
Oakland		
All Patients	3291	12.9
Patients With MaineCare	500	17.8
Patients with Private Dental Insurance	2791	12.0

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Ocean Park		
All Patients	171	13
Patients With MaineCare	7	18.5
Patients with Private Dental Insurance	164	12.7
Ogunquit		
All Patients	479	8.6
Patients With MaineCare	16	31.3
Patients with Private Dental Insurance	463	7.8
Olamon		
All Patients	7	18.4
Patients With MaineCare	7	18.4
Patients with Private Dental Insurance	N/A	N/A
Old Orchard Beach		
All Patients	4634	8.9
Patients With MaineCare	418	15.5
Patients with Private Dental Insurance	4216	8.3
Old Town		
All Patients	4264	13.6
Patients With MaineCare	304	18.6
Patients with Private Dental Insurance	3960	13.3
Oquossoc		
All Patients	60	38.9
Patients With MaineCare	14	28.7
Patients with Private Dental Insurance	46	42.0
Orient		
All Patients	137	31.4
Patients With MaineCare	39	40.9
Patients with Private Dental Insurance	98	27.6
Orland		
All Patients	762	14.2
Patients With MaineCare	85	19.6
Patients with Private Dental Insurance	677	13.5
Orono		
All Patients	2901	19.9
Patients With MaineCare	93	29.6
Patients with Private Dental Insurance	2808	19.5
Orrington		
All Patients	2484	10.2
Patients With MaineCare	83	17.5
Patients with Private Dental Insurance	2401	9.9

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Orrs Island		
All Patients	274	13.5
Patients With MaineCare	28	19.4
Patients with Private Dental Insurance	246	12.9
Owls Head		
All Patients	765	10.8
Patients With MaineCare	78	29.8
Patients with Private Dental Insurance	687	8.7
Oxbow		
All Patients	11	108
Patients With MaineCare	6	51.5
Patients with Private Dental Insurance	5	175.7
Oxford		
All Patients	1937	16
Patients With MaineCare	302	25.6
Patients with Private Dental Insurance	1635	14.3
Palermo		
All Patients	923	17.2
Patients With MaineCare	100	22.0
Patients with Private Dental Insurance	823	16.7
Palmyra		
All Patients	697	19
Patients With MaineCare	212	16.6
Patients with Private Dental Insurance	485	20.0
Paris		
All Patients	97	11.4
Patients With MaineCare	2	46.7
Patients with Private Dental Insurance	95	10.7
Parsonsfield		
All Patients	907	21.3
Patients With MaineCare	140	32.5
Patients with Private Dental Insurance	767	19.3
Passadumkeag		
All Patients	157	21.7
Patients With MaineCare	15	28.7
Patients with Private Dental Insurance	142	21.0
Patten		
All Patients	300	20
Patients With MaineCare	92	36.7
Patients with Private Dental Insurance	208	12.6

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Peaks Island		
All Patients	544	7.9
Patients With MaineCare	25	9.8
Patients with Private Dental Insurance	519	7.8
Pemaquid		
All Patients	93	13.6
Patients With MaineCare	12	31.6
Patients with Private Dental Insurance	81	10.9
Pembroke		
All Patients	367	19.1
Patients With MaineCare	74	20.8
Patients with Private Dental Insurance	293	18.7
Penobscot		
All Patients	415	15.6
Patients With MaineCare	60	26.2
Patients with Private Dental Insurance	355	13.8
Perham		
All Patients	94	22.8
Patients With MaineCare	39	41.0
Patients with Private Dental Insurance	55	9.9
Perry		
All Patients	322	25.6
Patients With MaineCare	89	39.9
Patients with Private Dental Insurance	233	20.2
Peru		
All Patients	829	17.4
Patients With MaineCare	147	22.4
Patients with Private Dental Insurance	682	16.3
Phillips		
All Patients	525	27.5
Patients With MaineCare	120	38.8
Patients with Private Dental Insurance	405	24.1
Phippsburg		
All Patients	767	13.8
Patients With MaineCare	96	23.8
Patients with Private Dental Insurance	671	12.3
Pittsfield		
All Patients	1738	17.7
Patients With MaineCare	332	20.2
Patients with Private Dental Insurance	1406	17.1

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Plymouth		
All Patients	551	17.6
Patients With MaineCare	156	13.6
Patients with Private Dental Insurance	395	19.2
Poland		
All Patients	3294	11.9
Patients With MaineCare	250	16.2
Patients with Private Dental Insurance	3044	11.5
Port Clyde		
All Patients	91	21.3
Patients With MaineCare	12	45.3
Patients with Private Dental Insurance	79	17.6
Portage		
All Patients	97	46.6
Patients With MaineCare	19	40.7
Patients with Private Dental Insurance	78	48.0
Porter		
All Patients	517	22.6
Patients With MaineCare	108	33.5
Patients with Private Dental Insurance	409	19.8
Portland		
All Patients	39141	5.5
Patients With MaineCare	4560	6.9
Patients with Private Dental Insurance	34581	5.4
Pownal		
All Patients	929	11
Patients With MaineCare	26	13.8
Patients with Private Dental Insurance	903	10.9
Presque Isle		
All Patients	3506	19.3
Patients With MaineCare	754	21.7
Patients with Private Dental Insurance	2752	18.6
Princeton		
All Patients	287	23.7
Patients With MaineCare	122	24.1
Patients with Private Dental Insurance	165	23.4
Prospect Harbor		
All Patients	70	23.6
Patients With MaineCare	18	28.9
Patients with Private Dental Insurance	52	21.8

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Randolph		
All Patients	1025	9.9
Patients With MaineCare	145	15.5
Patients with Private Dental Insurance	880	9.0
Rangeley		
All Patients	448	25.2
Patients With MaineCare	91	25.1
Patients with Private Dental Insurance	357	25.2
Raymond		
All Patients	3210	15.1
Patients With MaineCare	166	24.0
Patients with Private Dental Insurance	3044	14.7
Readfield		
All Patients	1831	14.9
Patients With MaineCare	120	20.2
Patients with Private Dental Insurance	1711	14.6
Richmond		
All Patients	1762	19.1
Patients With MaineCare	212	24.4
Patients with Private Dental Insurance	1550	18.4
Robbinston		
All Patients	194	25.3
Patients With MaineCare	47	15.7
Patients with Private Dental Insurance	147	28.4
Rockland		
All Patients	3122	12.4
Patients With MaineCare	642	35.3
Patients with Private Dental Insurance	2480	6.5
Rockport		
All Patients	1798	6.8
Patients With MaineCare	118	28.6
Patients with Private Dental Insurance	1680	5.2
Rockwood		
All Patients	82	52.6
Patients With MaineCare	25	38.6
Patients with Private Dental Insurance	57	58.7
Round Pond		
All Patients	153	8.6
Patients With MaineCare	14	35.6
Patients with Private Dental Insurance	139	5.8

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Roxbury		
All Patients	287	19.7
Patients With MaineCare	46	25.2
Patients with Private Dental Insurance	241	18.7
Rumford		
All Patients	3102	13.4
Patients With MaineCare	769	16.7
Patients with Private Dental Insurance	2333	12.2
Rumford Center		
All Patients	5	33.6
Patients With MaineCare	2	19.9
Patients with Private Dental Insurance	3	42.8
Sabattus		
All Patients	2622	12.6
Patients With MaineCare	322	21.9
Patients with Private Dental Insurance	2300	11.3
Saco		
All Patients	12958	8.6
Patients With MaineCare	943	16.5
Patients with Private Dental Insurance	12015	8.0
Saint Agatha		
All Patients	130	42.4
Patients With MaineCare	58	53.4
Patients with Private Dental Insurance	72	33.5
Saint Albans		
All Patients	685	17.7
Patients With MaineCare	239	21.0
Patients with Private Dental Insurance	446	15.9
Saint David		
All Patients	79	60.9
Patients With MaineCare	41	71.3
Patients with Private Dental Insurance	38	49.7
Saint Francis		
All Patients	117	42.8
Patients With MaineCare	68	48.0
Patients with Private Dental Insurance	49	35.7
Sanford		
All Patients	7806	7.3
Patients With MaineCare	1774	9.5
Patients with Private Dental Insurance	6032	6.7

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Sangerville		
All Patients	481	15
Patients With MaineCare	139	23.6
Patients with Private Dental Insurance	342	11.5
Sargentville		
All Patients	42	15.1
Patients With MaineCare	8	20.8
Patients with Private Dental Insurance	34	13.8
Scarborough		
All Patients	16948	5.8
Patients With MaineCare	404	14.2
Patients with Private Dental Insurance	16544	5.6
Seal Cove		
All Patients	122	20.1
Patients With MaineCare	11	29.9
Patients with Private Dental Insurance	111	19.1
Seal Harbor		
All Patients	7	6.3
Patients With MaineCare	7	6.3
Patients with Private Dental Insurance	N/A	N/A
Searsmont		
All Patients	612	14.4
Patients With MaineCare	107	13.0
Patients with Private Dental Insurance	505	14.7
Searsport		
All Patients	1104	9.2
Patients With MaineCare	214	8.5
Patients with Private Dental Insurance	890	9.3
Sebago		
All Patients	956	19.1
Patients With MaineCare	100	26.1
Patients with Private Dental Insurance	856	18.3
Sebago Lake		
All Patients	11	39.1
Patients With MaineCare	11	39.1
Patients with Private Dental Insurance	N/A	N/A
Sebasco Estates		
All Patients	37	15
Patients With MaineCare	13	23.2
Patients with Private Dental Insurance	24	10.6

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Sebec		
All Patients	263	14.2
Patients With MaineCare	25	30.3
Patients with Private Dental Insurance	238	12.5
Sedgwick		
All Patients	291	17.8
Patients With MaineCare	102	25.0
Patients with Private Dental Insurance	189	13.9
Shapleigh		
All Patients	1298	13.5
Patients With MaineCare	174	16.6
Patients with Private Dental Insurance	1124	13.0
Sheridan		
All Patients	6	25.6
Patients With MaineCare	4	23.7
Patients with Private Dental Insurance	2	29.5
Sherman		
All Patients	236	32.9
Patients With MaineCare	52	48.6
Patients with Private Dental Insurance	184	28.4
Shirley Mills		
All Patients	51	20.9
Patients With MaineCare	5	21.3
Patients with Private Dental Insurance	46	20.9
Sinclair		
All Patients	128	43.1
Patients With MaineCare	28	55.4
Patients with Private Dental Insurance	100	39.6
Skowhegan		
All Patients	4082	15
Patients With MaineCare	857	27.4
Patients with Private Dental Insurance	3225	11.8
Smithfield		
All Patients	430	18.4
Patients With MaineCare	55	23.9
Patients with Private Dental Insurance	375	17.6
Smyrna Mills		
All Patients	223	27.8
Patients With MaineCare	53	24.2
Patients with Private Dental Insurance	170	28.9

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Solon		
All Patients	370	24.1
Patients With MaineCare	100	40.6
Patients with Private Dental Insurance	270	18.0
Sorrento		
All Patients	84	12.9
Patients With MaineCare	20	22.5
Patients with Private Dental Insurance	64	10.0
South Berwick		
All Patients	1969	9.1
Patients With MaineCare	212	21.7
Patients with Private Dental Insurance	1757	7.6
South Bristol		
All Patients	108	15.5
Patients With MaineCare	21	22.7
Patients with Private Dental Insurance	87	13.8
South Casco		
All Patients	286	14.7
Patients With MaineCare	29	24.0
Patients with Private Dental Insurance	257	13.6
South China		
All Patients	2590	12
Patients With MaineCare	298	15.7
Patients with Private Dental Insurance	2292	11.5
South Freeport		
All Patients	382	10.1
Patients With MaineCare	2	8.2
Patients with Private Dental Insurance	380	10.1
South Gardiner		
All Patients	297	12.2
Patients With MaineCare	40	19.0
Patients with Private Dental Insurance	257	11.2
South Paris		
All Patients	2071	13
Patients With MaineCare	400	25.5
Patients with Private Dental Insurance	1671	10.0
South Portland		
All Patients	17341	5.3
Patients With MaineCare	1151	12.4
Patients with Private Dental Insurance	16190	4.8

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
South Thomaston		
All Patients	741	13.3
Patients With MaineCare	90	34.8
Patients with Private Dental Insurance	651	10.4
South Windham		
All Patients	88	10.7
Patients With MaineCare	8	14.1
Patients with Private Dental Insurance	80	10.3
Southport		
All Patients	159	10.8
Patients With MaineCare	22	17.3
Patients with Private Dental Insurance	137	9.8
Southwest Harbor		
All Patients	680	19.2
Patients With MaineCare	68	31.8
Patients with Private Dental Insurance	612	17.8
Springfield		
All Patients	223	30.6
Patients With MaineCare	26	48.5
Patients with Private Dental Insurance	197	28.3
Springvale		
All Patients	2458	9.7
Patients With MaineCare	421	13.2
Patients with Private Dental Insurance	2037	9.0
Spruce Head		
All Patients	364	16
Patients With MaineCare	39	33.7
Patients with Private Dental Insurance	325	13.9
Stacyville		
All Patients	125	30.5
Patients With MaineCare	30	49.4
Patients with Private Dental Insurance	95	24.5
Standish		
All Patients	5394	11.3
Patients With MaineCare	318	17.8
Patients with Private Dental Insurance	5076	10.9
Steep Falls		
All Patients	1460	15.1
Patients With MaineCare	93	25.7
Patients with Private Dental Insurance	1367	14.4

Source: MHDO, CHWS, 2012

Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Stetson		
All Patients	523	17.3
Patients With MaineCare	73	17.9
Patients with Private Dental Insurance	450	17.2
Steuben		
All Patients	270	23.4
Patients With MaineCare	93	22.0
Patients with Private Dental Insurance	177	24.1
Stockholm		
All Patients	133	33.5
Patients With MaineCare	22	93.9
Patients with Private Dental Insurance	111	21.5
Stockton Springs		
All Patients	685	13.8
Patients With MaineCare	91	14.8
Patients with Private Dental Insurance	594	13.6
Stoneham		
All Patients	89	26.5
Patients With MaineCare	15	40.7
Patients with Private Dental Insurance	74	23.6
Stonington		
All Patients	211	9.7
Patients With MaineCare	98	6.1
Patients with Private Dental Insurance	113	12.9
Stratton		
All Patients	183	31.7
Patients With MaineCare	40	31.6
Patients with Private Dental Insurance	143	31.8
Strong		
All Patients	573	23.2
Patients With MaineCare	138	42.3
Patients with Private Dental Insurance	435	17.1
Sullivan		
All Patients	467	16.5
Patients With MaineCare	139	20.8
Patients with Private Dental Insurance	328	14.6
Sumner		
All Patients	386	20.5
Patients With MaineCare	72	28.5
Patients with Private Dental Insurance	314	18.6

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Sunset		
All Patients	27	9.4
Patients With MaineCare	6	18.0
Patients with Private Dental Insurance	21	7.0
Surry		
All Patients	597	16.5
Patients With MaineCare	81	24.4
Patients with Private Dental Insurance	516	15.2
Swans Island		
All Patients	66	33.2
Patients With MaineCare	26	37.8
Patients with Private Dental Insurance	40	30.2
Temple		
All Patients	202	24.7
Patients With MaineCare	30	43.7
Patients with Private Dental Insurance	172	21.4
Tenants Harbor		
All Patients	450	17.2
Patients With MaineCare	46	30.1
Patients with Private Dental Insurance	404	15.8
Thomaston		
All Patients	1504	11.6
Patients With MaineCare	241	33.4
Patients with Private Dental Insurance	1263	7.5
Thorndike		
All Patients	374	20.2
Patients With MaineCare	85	19.9
Patients with Private Dental Insurance	289	20.3
Topsfield		
All Patients	87	36.5
Patients With MaineCare	10	38.2
Patients with Private Dental Insurance	77	36.3
Topsham		
All Patients	5335	9
Patients With MaineCare	314	22.3
Patients with Private Dental Insurance	5021	8.2
Trevett		
All Patients	66	11.7
Patients With MaineCare	12	25.2
Patients with Private Dental Insurance	54	8.7

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Troy		
All Patients	361	21
Patients With MaineCare	88	20.8
Patients with Private Dental Insurance	273	21.1
Turner		
All Patients	3164	14.7
Patients With MaineCare	288	22.1
Patients with Private Dental Insurance	2876	14.0
Union		
All Patients	1793	13.8
Patients With MaineCare	272	26.2
Patients with Private Dental Insurance	1521	11.5
Unity		
All Patients	708	18.3
Patients With MaineCare	132	21.1
Patients with Private Dental Insurance	576	17.6
Van Buren		
All Patients	474	69.7
Patients With MaineCare	238	107.0
Patients with Private Dental Insurance	236	32.1
Vanceboro		
All Patients	57	36.5
Patients With MaineCare	14	34.5
Patients with Private Dental Insurance	43	37.1
Vassalboro		
All Patients	2123	11
Patients With MaineCare	255	13.4
Patients with Private Dental Insurance	1868	10.7
Vienna		
All Patients	262	16.9
Patients With MaineCare	41	20.4
Patients with Private Dental Insurance	221	16.3
Vinalhaven		
All Patients	257	18.7
Patients With MaineCare	26	62.6
Patients with Private Dental Insurance	231	13.8
Waite		
All Patients	34	34.8
Patients With MaineCare	14	30.3
Patients with Private Dental Insurance	20	37.9

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Waldoboro		
All Patients	2421	28.3
Patients With MaineCare	562	33.1
Patients with Private Dental Insurance	1859	26.9
Wallagrass		
All Patients	96	13.2
Patients With MaineCare	36	17.0
Patients with Private Dental Insurance	60	10.8
Walpole		
All Patients	216	14.2
Patients With MaineCare	21	23.6
Patients with Private Dental Insurance	195	13.2
Warren		
All Patients	1970	13.3
Patients With MaineCare	362	34.9
Patients with Private Dental Insurance	1608	8.4
Washburn		
All Patients	624	19.4
Patients With MaineCare	144	29.1
Patients with Private Dental Insurance	480	16.4
Washington		
All Patients	631	19.1
Patients With MaineCare	136	33.8
Patients with Private Dental Insurance	495	15.0
Waterboro		
All Patients	1506	13.2
Patients With MaineCare	215	15.2
Patients with Private Dental Insurance	1291	12.9
Waterford		
All Patients	674	19
Patients With MaineCare	130	33.3
Patients with Private Dental Insurance	544	15.6
Waterville		
All Patients	11560	10
Patients With MaineCare	2356	16.6
Patients with Private Dental Insurance	9204	8.4
Wayne		
All Patients	840	19.1
Patients With MaineCare	46	27.3
Patients with Private Dental Insurance	794	18.7

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Weld		
All Patients	165	21.2
Patients With MaineCare	23	29.3
Patients with Private Dental Insurance	142	19.9
Wells		
All Patients	4518	9.9
Patients With MaineCare	349	16.9
Patients with Private Dental Insurance	4169	9.3
Wesley		
All Patients	24	34.8
Patients With MaineCare	8	33.8
Patients with Private Dental Insurance	16	35.4
West Baldwin		
All Patients	483	20.1
Patients With MaineCare	38	28.4
Patients with Private Dental Insurance	445	19.4
West Bethel		
All Patients	42	11.7
Patients With MaineCare	7	21.9
Patients with Private Dental Insurance	35	9.7
West Boothbay Harbor		
All Patients	112	6.8
Patients With MaineCare	9	15.4
Patients with Private Dental Insurance	103	6.1
West Enfield		
All Patients	10	11.7
Patients With MaineCare	10	11.7
Patients with Private Dental Insurance		
West Farmington		
All Patients	8	14.3
Patients With MaineCare	8	14.3
Patients with Private Dental Insurance	N/A	N/A
West Forks		
All Patients	23	57.1
Patients With MaineCare	6	58.9
Patients with Private Dental Insurance	17	56.5
West Kennebunk		
All Patients	272	7.4
Patients With MaineCare	35	13.5
Patients with Private Dental Insurance	237	6.5

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
West Minot		
All Patients	40	10.6
Patients With MaineCare	40	10.6
Patients with Private Dental Insurance	N/A	N/A
West Newfield		
All Patients	586	20
Patients With MaineCare	83	22.7
Patients with Private Dental Insurance	503	19.6
West Paris		
All Patients	852	18.3
Patients With MaineCare	176	32.2
Patients with Private Dental Insurance	676	14.7
West Poland		
All Patients	88	14.6
Patients With MaineCare	3	28.5
Patients with Private Dental Insurance	85	14.1
West Rockport		
All Patients	166	8.2
Patients With MaineCare	9	39.9
Patients with Private Dental Insurance	157	5.4
Westbrook		
All Patients	11979	6.3
Patients With MaineCare	1232	12.6
Patients with Private Dental Insurance	10747	5.6
Westfield		
All Patients	167	29.2
Patients With MaineCare	39	35.2
Patients with Private Dental Insurance	128	27.3
Whitefield		
All Patients	1371	12.5
Patients With MaineCare	151	17.4
Patients with Private Dental Insurance	1220	11.9
Whiting		
All Patients	112	25
Patients With MaineCare	37	30.9
Patients with Private Dental Insurance	75	22.1
Wilton		
All Patients	1705	14.8
Patients With MaineCare	290	29.2
Patients with Private Dental Insurance	1415	11.8

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006-2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
Windham		
All Patients	12559	9.6
Patients With MaineCare	789	18.7
Patients with Private Dental Insurance	11770	9.0
Windsor		
All Patients	1587	9
Patients With MaineCare	145	15.9
Patients with Private Dental Insurance	1442	8.3
Winn		
All Patients	116	25.9
Patients With MaineCare	12	78.0
Patients with Private Dental Insurance	104	19.9
Winter Harbor		
All Patients	127	26.8
Patients With MaineCare	39	27.4
Patients with Private Dental Insurance	88	26.6
Winterport		
All Patients	2097	14.2
Patients With MaineCare	170	17.7
Patients with Private Dental Insurance	1927	13.9
Winthrop		
All Patients	3891	14.2
Patients With MaineCare	274	17.5
Patients with Private Dental Insurance	3617	14.0
Wiscasset		
All Patients	2057	15.2
Patients With MaineCare	357	18.3
Patients with Private Dental Insurance	1700	14.5
Woolwich		
All Patients	1530	12.9
Patients With MaineCare	142	22.5
Patients with Private Dental Insurance	1388	11.9
Wytopitlock		
All Patients	51	37.9
Patients With MaineCare	15	48.3
Patients with Private Dental Insurance	36	33.6
Yarmouth		
All Patients	6915	7.4
Patients With MaineCare	130	15.0
Patients with Private Dental Insurance	6785	7.2

Source: MHDO, CHWS, 2012

**Table 37. Mean Commuting Distance for Dental Care by Type of Dental Insurance, 2006 to 2010
(continued)**

City/ Town	Total Patients Receiving Dental Services	Mean Commuting Distance to Dental Provider in Miles
York		
All Patients	4452	4.9
Patients With MaineCare	139	22.5
Patients with Private Dental Insurance	4313	4.4
York Beach		
All Patients	5	6.2
Patients With MaineCare	1	15.3
Patients with Private Dental Insurance	4	3.9

Source: MHDO, CHWS, 2012

Final Statement

The insurance claims and eligibility files supplied important information about patient utilization of dental services, the providers supplying services, the places where treatment for dental complaints occur, and the annual cost of oral health care. The large volume of data permitted both general and specific analyses based on the demographic characteristics of patients and the geographic locations of both patients and providers. The rich repository of information provided valuable information on how people in Maine received oral health services over a recent five-year period from 2006-2010.

This report presents only a portion of the data extracted from the large volumes of data contained in the annual files. The data presented in this report were selected to help policymakers and other stakeholders answer some of the predominant questions that attend the issue of access to oral health care in Maine. It is hoped that this report provides information that is both pertinent and useful for the formulation of policy to improve oral health outcomes for the people of Maine.

Appendix A.

County Data

The following tables describe the dental insurance status of people in Maine by their county of residence and their utilization of dental services by age and type of insurance.

The first table for each county describes the number of people in each age cohort with dental insurance in the county and the proportion of all county residents with dental insurance by age group in each year.

The second table describes utilization of dental services by people with dental insurance by age cohort and by proportion of all patients with a particular kind of dental insurance (e.g., indemnity) who utilized a dental service in the year.

As described earlier in this report, there were some anomalies in the data that could not be explained or corrected. One methodological problem was that eligibility files did not always exactly match claims files for a given year. While it would be expected to have patients with insurance that did not receive care, it was not expected to have patients with a paid dental claim who were not in the eligibility files for the year in which the service was provided.

It was assumed that an individual was eligible for dental insurance even if the individual was not in the eligibility file if the final disposition of a claim for services for that individual was paid by an insurance carrier. If the individual were not eligible the claim would have been denied. The discrepancies between the eligibility files and the claims files affected the individual county analyses in a few instances. For example, in Knox County there were more patients in certain age cohorts who received services paid for by a PPO/POS insurance carrier than were listed in the eligibility file. As a result, in the tabulations presented here more than 100% of eligible patients in some age cohorts received services. The few instances where these discrepancies were apparent are highlighted in red in the county tables.

Table 38. Androscoggin: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	3,873	4,916	5,005	5,556	5,846
Indemnity Insurance	12.7%	16.3%	16.1%	11.4%	9.9%
PPO, POS	14.5%	9.6%	9.7%	12.2%	9.6%
Medicaid	72.8%	74.1%	74.2%	76.4%	80.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	9,628	9,934	9,597	9,863	10,115
Indemnity Insurance	26.3%	29.7%	28.6%	24.4%	24.0%
PPO, POS	18.6%	16.0%	14.4%	18.2%	16.1%
Medicaid	55.1%	54.4%	57.0%	57.3%	59.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	9,093	9,103	8,607	8,616	8,664
Indemnity Insurance	31.2%	33.8%	34.1%	30.3%	30.0%
PPO, POS	22.0%	19.2%	16.7%	20.7%	18.3%
Medicaid	46.8%	47.0%	49.2%	49.0%	51.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	6,956	7,243	6,615	6,759	7,057
Indemnity Insurance	33.3%	34.5%	35.5%	31.3%	29.2%
PPO, POS	21.7%	21.9%	19.1%	20.7%	18.3%
Medicaid	45.0%	43.6%	45.4%	48.0%	52.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	22,762	22,991	21,593	22,547	22,684
Indemnity Insurance	38.4%	40.5%	41.4%	34.4%	33.4%
PPO, POS	27.9%	25.4%	23.0%	26.8%	23.9%
Medicaid	33.8%	34.1%	35.6%	38.7%	42.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	16,961	17,789	17,441	18,455	20,241
Indemnity Insurance	43.5%	46.3%	48.0%	42.7%	41.4%
PPO, POS	31.7%	27.8%	24.3%	27.7%	24.2%
Medicaid	24.8%	25.8%	27.4%	28.1%	33.2%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	1.5%	1.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	2,335	2,925	3,374	4,340	4,826
Indemnity Insurance	21.2%	18.9%	18.7%	15.3%	16.5%
PPO, POS	14.7%	10.4%	16.2%	13.2%	13.1%
Medicaid	64.1%	70.6%	64.5%	52.7%	52.7%
HMO/Risk/Medicare	0.0%	0.1%	0.6%	18.8%	17.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	2,750	3,640	4,068	4,617	4,805
Indemnity Insurance	6.3%	4.9%	4.4%	4.6%	5.2%
PPO, POS	8.2%	4.8%	10.7%	5.3%	4.7%
Medicaid	85.6%	90.2%	84.0%	78.1%	77.9%
HMO/Risk/Medicare	0.0%	0.1%	0.9%	12.0%	12.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	74,358	78,541	76,300	80,753	84,238
Indemnity Insurance	33.5%	35.2%	35.3%	30.1%	29.3%
PPO, POS	24.4%	21.2%	19.3%	21.8%	19.3%
Medicaid	42.0%	43.6%	45.2%	46.0%	49.4%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	2.1%	2.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 39. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Androscoggin County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	14.6%	14.8%	17.3%	15.3%	17.4%
Total with Dental Insurance	3,873	4,916	5,005	5,556	5,846
Total Receiving Dental Care	567	730	864	852	1020
Indemnity Insurance	18.7%	21.4%	18.7%	24.1%	25.5%
PPO, POS	13.0%	16.7%	19.3%	15.6%	16.9%
Medicaid	14.3%	13.2%	16.7%	14.0%	16.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	55.2%	61.0%	65.4%	63.6%	63.0%
Total with Dental Insurance	9,628	9,934	9,597	9,863	10,115
Total Receiving Dental Care	5317	6063	6277	6275	6376
Indemnity Insurance	70.3%	69.2%	69.7%	83.4%	87.0%
PPO, POS	54.3%	67.9%	81.9%	62.1%	62.1%
Medicaid	48.3%	54.5%	59.1%	55.8%	53.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	53.6%	57.6%	60.5%	60.8%	56.2%
Total with Dental Insurance	9,093	9,103	8,607	8,616	8,664
Total Receiving Dental Care	4878	5246	5206	5242	4873
Indemnity Insurance	68.8%	70.3%	67.7%	83.7%	79.3%
PPO, POS	51.0%	63.1%	82.0%	62.9%	59.5%
Medicaid	44.8%	46.3%	48.2%	45.9%	41.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	33.3%	33.3%
% Insured 19-24 Years Receiving Care	29.5%	31.4%	34.0%	34.0%	31.1%
Total with Dental Insurance	6,956	7,243	6,615	6,759	7,057
Total Receiving Dental Care	2053	2274	2246	2300	2195
Indemnity Insurance	44.7%	44.8%	44.9%	54.5%	52.1%
PPO, POS	31.9%	33.4%	45.0%	36.7%	33.8%
Medicaid	17.1%	19.7%	20.7%	19.5%	18.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	37.1%	40.7%	41.9%	41.6%	39.3%
Total with Dental Insurance	22,762	22,991	21,593	22,547	22,684
Total Receiving Dental Care	8456	9348	9050	9390	8905
Indemnity Insurance	56.6%	58.2%	55.3%	25.9%	68.1%
PPO, POS	40.2%	47.6%	59.3%	18.5%	45.1%
Medicaid	12.5%	14.7%	15.1%	36.1%	13.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 39. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Androscoggin County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	47.8%	51.8%	54.3%	55.8%	49.1%
Total with Dental Insurance	16,961	17,789	17,441	18,455	20,241
Total Receiving Dental Care	8107	9221	9466	10300	9929
Indemnity Insurance	68.4%	70.0%	68.4%	82.4%	78.0%
PPO, POS	49.8%	60.9%	76.4%	64.4%	58.5%
Medicaid	9.1%	9.4%	10.5%	9.7%	7.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	2.2%	2.4%
% Insured 65-74 Years Receiving Care	25.4%	23.5%	24.7%	24.6%	25.2%
Total with Dental Insurance	2,335	2,925	3,374	4,340	4,826
Total Receiving Dental Care	594	687	832	1069	1215
Indemnity Insurance	81.2%	81.6%	81.8%	90.3%	80.8%
PPO, POS	45.3%	60.4%	45.9%	73.1%	76.3%
Medicaid	2.4%	2.6%	3.0%	2.1%	2.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.5%	3.0%
% Insured 75 years and older Receiving Care	8.8%	7.9%	8.4%	8.9%	9.7%
Total with Dental Insurance	2,750	3,640	4,068	4,617	4,805
Total Receiving Dental Care	242	289	342	411	467
Indemnity Insurance	73.8%	74.2%	80.1%	80.2%	79.5%
PPO, POS	33.3%	59.5%	30.1%	71.3%	83.2%
Medicaid	1.7%	1.6%	1.9%	1.7%	1.7%
HMO/Risk/Medicare	0.0%	0.0%	5.6%	1.1%	2.7%
Total	40.6%	43.1%	44.9%	44.4%	41.5%
Total with Dental Insurance	74,358	78,541	76,300	80,753	84,238
Total Receiving Dental Care	30214	33858	34283	35839	34980
Indemnity Insurance	61.6%	62.5%	61.0%	74.1%	72.7%
PPO, POS	44.1%	53.2%	64.7%	55.0%	52.1%
Medicaid	21.9%	22.5%	24.1%	21.9%	20.5%
HMO/Risk/Medicare	0.0%	0.0%	1.8%	1.0%	2.8%

Source: MHDO, CHWS, 2012

Table 40. Aroostook: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,850	2,290	2,396	2,613	2,737
Indemnity Insurance	3.2%	6.2%	6.1%	6.3%	4.9%
PPO, POS	9.4%	6.2%	7.6%	6.5%	5.1%
Medicaid	87.5%	87.7%	86.4%	87.2%	89.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	4,600	4,770	4,873	4,888	4,917
Indemnity Insurance	11.5%	16.5%	15.7%	15.6%	14.4%
PPO, POS	12.3%	11.4%	12.3%	11.6%	10.5%
Medicaid	76.2%	72.1%	72.0%	72.7%	75.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	4,715	4,858	4,696	4,852	4,888
Indemnity Insurance	14.6%	18.7%	19.3%	19.8%	18.9%
PPO, POS	14.3%	13.6%	13.6%	13.2%	11.9%
Medicaid	71.1%	67.6%	67.0%	66.9%	69.1%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	3,386	3,420	3,305	3,323	3,669
Indemnity Insurance	16.2%	17.3%	18.4%	18.5%	16.2%
PPO, POS	15.3%	15.7%	17.5%	17.1%	12.0%
Medicaid	68.5%	67.0%	64.0%	63.9%	71.6%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.5%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	10,179	10,362	10,174	10,542	10,595
Indemnity Insurance	23.3%	25.3%	24.8%	24.0%	22.1%
PPO, POS	22.0%	20.8%	21.6%	20.0%	17.1%
Medicaid	54.7%	53.9%	53.6%	55.8%	60.6%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	8,768	9,352	9,554	10,245	11,191
Indemnity Insurance	27.0%	29.9%	29.5%	29.8%	26.6%
PPO, POS	23.1%	20.9%	21.3%	20.7%	18.0%
Medicaid	49.9%	49.2%	48.6%	48.1%	54.7%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.4%	0.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	2,216	2,693	2,963	3,470	3,746
Indemnity Insurance	7.9%	8.0%	8.0%	7.6%	7.5%
PPO, POS	9.3%	6.5%	6.1%	10.4%	10.7%
Medicaid	82.8%	85.4%	84.2%	76.9%	78.4%
HMO/Risk/Medicare	0.0%	0.0%	1.7%	5.1%	3.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	2,895	3,524	3,787	3,928	4,033
Indemnity Insurance	1.9%	1.4%	1.4%	1.4%	1.7%
PPO, POS	3.4%	2.3%	2.3%	2.6%	2.6%
Medicaid	94.7%	96.3%	94.5%	91.5%	92.5%
HMO/Risk/Medicare	0.0%	0.0%	1.8%	4.5%	3.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	38,609	41,269	41,748	43,861	45,776
Indemnity Insurance	17.6%	19.7%	19.3%	19.2%	17.5%
PPO, POS	16.8%	15.2%	15.6%	15.1%	13.1%
Medicaid	65.6%	65.2%	64.7%	64.5%	68.5%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.2%	0.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 41. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Aroostook County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	43.1%	37.4%	34.8%	31.3%	34.7%
Total with Dental Insurance	1,850	2,290	2,396	2,613	2,737
Total Receiving Dental Care	797	857	833	819	951
Indemnity Insurance	23.7%	15.6%	17.1%	9.1%	18.7%
PPO, POS	13.9%	14.9%	18.2%	12.3%	17.9%
Medicaid	46.9%	40.5%	37.5%	34.4%	36.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	61.4%	62.5%	61.9%	59.6%	57.9%
Total with Dental Insurance	4,600	4,770	4,873	4,888	4,917
Total Receiving Dental Care	2,823	2,979	3,015	2,914	2,845
Indemnity Insurance	73.4%	65.4%	60.6%	68.5%	69.2%
PPO, POS	54.9%	72.7%	72.1%	68.3%	70.2%
Medicaid	60.6%	60.2%	60.4%	56.4%	54.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	57.1%	58.6%	63.6%	57.1%	55.0%
Total with Dental Insurance	4,715	4,858	4,696	4,852	4,888
Total Receiving Dental Care	2,690	2,847	2,988	2,772	2,688
Indemnity Insurance	70.7%	66.8%	67.1%	72.8%	70.9%
PPO, POS	55.7%	67.7%	71.7%	65.5%	66.8%
Medicaid	54.5%	54.5%	61.0%	50.9%	48.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	25.7%	26.6%	27.7%	27.3%	25.0%
Total with Dental Insurance	3,386	3,420	3,305	3,323	3,669
Total Receiving Dental Care	870	910	915	908	916
Indemnity Insurance	36.4%	38.7%	40.9%	41.9%	40.4%
PPO, POS	24.7%	33.3%	35.3%	35.7%	43.9%
Medicaid	23.4%	21.9%	21.9%	21.1%	18.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	32.3%	33.2%	32.4%	31.7%	30.8%
Total with Dental Insurance	10,179	10,362	10,174	10,542	10,595
Total Receiving Dental Care	3,290	3,444	3,299	3,338	3,266
Indemnity Insurance	53.7%	51.1%	51.2%	20.7%	59.8%
PPO, POS	39.5%	47.1%	45.3%	18.3%	50.0%
Medicaid	20.3%	19.5%	18.6%	34.1%	14.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 41. Percent of Insured Patients Utilizing Dental Services by Year and by Age, and by Type of Dental Insurance, Aroostook County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	32.4%	38.0%	38.4%	38.0%	34.4%
Total with Dental Insurance	8,768	9,352	9,554	10,245	11,191
Total Receiving Dental Care	2,837	3,554	3,672	3,889	3,846
Indemnity Insurance	64.7%	65.0%	64.5%	68.6%	69.8%
PPO, POS	40.5%	61.0%	64.1%	61.2%	60.7%
Medicaid	11.1%	11.8%	11.7%	9.9%	8.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	5.6%	5.3%
% Insured 65-74 Years Receiving Care	6.4%	6.9%	7.0%	6.3%	5.8%
Total with Dental Insurance	2,216	2,693	2,963	3,470	3,746
Total Receiving Dental Care	141	186	206	217	218
Indemnity Insurance	80.1%	86.1%	86.9%	82.2%	77.6%
PPO, POS	43.2%	57.4%	54.1%	34.9%	34.1%
Medicaid	3.2%	3.1%	2.8%	1.9%	1.9%
HMO/Risk/Medicare	0.0%	0.0%	3.9%	8.0%	3.1%
% Insured 75 years and older Receiving Care	6.0%	5.5%	4.5%	3.8%	4.7%
Total with Dental Insurance	2,895	3,524	3,787	3,928	4,033
Total Receiving Dental Care	174	195	172	150	188
Indemnity Insurance	68.5%	70.0%	73.6%	89.1%	83.8%
PPO, POS	36.7%	56.3%	48.3%	39.6%	63.1%
Medicaid	3.7%	3.4%	2.4%	1.5%	1.7%
HMO/Risk/Medicare	0.0%	0.0%	5.8%	3.4%	3.1%
Total	35.7%	36.7%	36.6%	34.6%	33.0%
Total with Dental Insurance	38,609	41,269	41,748	43,861	45,776
Total Receiving Dental Care	13,769	15,144	15,270	15,197	15,113
Indemnity Insurance	59.9%	58.6%	58.4%	62.3%	64.3%
PPO, POS	41.0%	54.3%	54.9%	52.7%	54.9%
Medicaid	27.8%	26.0%	25.9%	22.8%	21.1%
HMO/Risk/Medicare	0.0%	0.0%	3.2%	5.1%	3.3%

Source: MHDO, CHWS, 2012

Table 42. Cumberland: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	7,213	9,160	9,383	9,913	10,633
Indemnity Insurance	17.1%	25.4%	27.5%	25.2%	23.2%
PPO, POS	28.1%	19.7%	18.7%	18.8%	15.0%
Medicaid	55.0%	54.9%	53.9%	56.0%	61.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	21,053	22,445	21,670	22,104	22,229
Indemnity Insurance	30.9%	37.7%	39.0%	36.6%	36.1%
PPO, POS	32.5%	27.7%	24.4%	25.9%	23.5%
Medicaid	36.6%	34.6%	36.6%	37.5%	40.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	21,358	22,195	21,104	21,355	21,049
Indemnity Insurance	35.1%	40.9%	42.9%	40.4%	40.8%
PPO, POS	33.0%	28.5%	25.1%	27.4%	24.4%
Medicaid	31.9%	30.6%	31.9%	32.1%	34.7%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	16,234	17,348	16,054	16,559	17,056
Indemnity Insurance	36.6%	40.1%	44.0%	41.2%	40.4%
PPO, POS	36.2%	33.1%	28.4%	30.3%	26.3%
Medicaid	27.2%	26.7%	27.5%	28.2%	33.2%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	58,761	59,836	55,247	56,920	56,821
Indemnity Insurance	41.0%	44.7%	48.0%	44.1%	43.5%
PPO, POS	38.1%	34.4%	30.2%	31.3%	27.8%
Medicaid	20.9%	20.9%	21.8%	24.6%	28.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	52,093	54,298	53,954	56,584	58,223
Indemnity Insurance	44.9%	48.9%	52.4%	49.5%	49.8%
PPO, POS	40.9%	36.0%	31.7%	33.1%	29.1%
Medicaid	14.2%	15.1%	15.6%	16.5%	20.4%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.9%	0.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	6,424	7,046	8,244	10,084	10,616
Indemnity Insurance	29.8%	31.5%	31.3%	28.7%	30.3%
PPO, POS	36.4%	27.0%	30.0%	26.8%	24.5%
Medicaid	33.8%	41.5%	37.2%	33.9%	36.1%
HMO/Risk/Medicare	0.0%	0.0%	1.5%	10.6%	9.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	5,860	7,192	7,976	8,842	8,986
Indemnity Insurance	13.5%	12.2%	11.9%	11.2%	11.9%
PPO, POS	25.2%	14.3%	18.6%	15.6%	14.9%
Medicaid	61.3%	73.4%	67.5%	63.9%	65.5%
HMO/Risk/Medicare	0.0%	0.1%	1.9%	9.4%	7.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	188,996	199,520	193,632	202,361	205,613
Indemnity Insurance	37.7%	41.7%	44.1%	41.0%	40.8%
PPO, POS	36.7%	31.6%	28.2%	29.2%	25.8%
Medicaid	25.6%	26.6%	27.4%	28.5%	32.3%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	1.3%	1.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 43. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Cumberland County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	19.7%	20.4%	22.5%	21.8%	21.1%
Total with Dental Insurance	7,213	9,160	9,383	9,913	10,633
Total Receiving Dental Care	1,421	1,871	2,108	2,165	2,239
Indemnity Insurance	32.8%	29.7%	26.6%	32.5%	30.9%
PPO, POS	21.9%	26.9%	30.1%	25.7%	32.1%
Medicaid	14.5%	13.9%	17.7%	15.7%	14.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	64.0%	70.5%	76.7%	74.0%	73.8%
Total with Dental Insurance	21,053	22,445	21,670	22,104	22,229
Total Receiving Dental Care	13,481	15,819	16,623	16,348	16,404
Indemnity Insurance	80.2%	79.6%	78.3%	86.7%	86.9%
PPO, POS	65.8%	81.3%	99.3%	86.4%	87.1%
Medicaid	48.8%	51.9%	60.0%	53.1%	54.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	61.3%	66.4%	72.6%	72.0%	68.6%
Total with Dental Insurance	21,358	22,195	21,104	21,355	21,049
Total Receiving Dental Care	13,098	14,738	15,319	15,380	14,447
Indemnity Insurance	78.0%	77.1%	76.4%	87.0%	81.6%
PPO, POS	63.2%	75.1%	95.9%	84.1%	82.4%
Medicaid	41.1%	44.0%	49.4%	43.1%	43.8%
HMO/Risk/Medicare	0.0%	0.0%	9.5%	23.1%	12.5%
% Insured 19-24 Years Receiving Care	36.3%	38.4%	43.4%	44.8%	40.8%
Total with Dental Insurance	16,234	17,348	16,054	16,559	17,056
Total Receiving Dental Care	5,893	6,660	6,962	7,424	6,954
Indemnity Insurance	49.1%	50.0%	49.7%	55.7%	54.9%
PPO, POS	37.8%	41.0%	56.0%	54.3%	50.0%
Medicaid	17.1%	17.7%	20.3%	19.1%	16.4%
HMO/Risk/Medicare	0.0%	0.0%	10.5%	5.7%	9.1%
% Insured 25-44 Years Receiving Care	46.6%	49.3%	53.1%	53.0%	50.0%
Total with Dental Insurance	58,761	59,836	55,247	56,920	56,821
Total Receiving Dental Care	27,358	29,497	29,317	30,175	28,383
Indemnity Insurance	61.7%	61.7%	60.4%	67.7%	67.2%
PPO, POS	49.6%	56.2%	69.4%	64.0%	63.4%
Medicaid	11.1%	11.4%	14.3%	12.9%	10.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	5.6%	6.8%

Source: MHDO, CHWS, 2012

Table 43. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Cumberland County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	61.0%	64.8%	68.5%	69.7%	64.1%
Total with Dental Insurance	52,093	54,298	53,954	56,584	58,223
Total Receiving Dental Care	31,770	35,208	36,968	39,425	37,303
Indemnity Insurance	76.8%	77.1%	74.8%	83.9%	79.8%
PPO, POS	61.7%	71.5%	86.7%	80.0%	77.4%
Medicaid	8.9%	9.3%	12.0%	9.5%	8.4%
HMO/Risk/Medicare	0.0%	0.0%	4.3%	8.3%	5.1%
% Insured 65-74 Years Receiving Care	46.0%	48.5%	51.6%	49.1%	47.2%
Total Receiving Dental Care	2,957	3,420	4,252	4,947	5,012
Indemnity Insurance	85.3%	86.4%	87.5%	93.1%	87.8%
PPO, POS	52.7%	73.4%	74.6%	76.4%	77.2%
Medicaid	4.3%	3.6%	4.4%	4.2%	4.0%
HMO/Risk/Medicare	0.0%	0.0%	8.3%	4.1%	2.3%
% Insured 75 years and older Receiving Care	22.3%	21.6%	22.6%	22.6%	21.7%
Total with Dental Insurance	5,860	7,192	7,976	8,842	8,986
Total Receiving Dental Care	1,306	1,552	1,801	1,997	1,949
Indemnity Insurance	83.5%	83.1%	81.0%	88.1%	85.9%
PPO, POS	38.3%	68.8%	61.1%	70.4%	67.1%
Medicaid	2.2%	2.3%	2.0%	2.0%	1.8%
HMO/Risk/Medicare	0.0%	0.0%	8.4%	5.3%	3.8%
Total	51.5%	54.5%	58.5%	58.2%	54.8%
Total with Dental Insurance	188,996	199,520	193,632	202,361	205,613
Total Receiving Dental Care	97,284	108,765	113,350	117,861	112,691
Indemnity Insurance	69.4%	69.1%	67.8%	76.1%	73.9%
PPO, POS	54.4%	63.8%	77.9%	71.9%	70.8%
Medicaid	20.9%	20.6%	24.2%	20.9%	19.6%
HMO/Risk/Medicare	0.0%	0.0%	6.5%	5.7%	3.5%

Source: MHDO, CHWS, 2012

Table 44. Franklin: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	782	1,014	1,014	1,178	1,267
Indemnity Insurance	12.1%	13.0%	10.7%	9.6%	8.1%
PPO, POS	9.2%	6.9%	6.8%	7.0%	5.7%
Medicaid	78.6%	80.1%	82.5%	83.4%	86.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	2,149	2,210	2,137	2,167	2,162
Indemnity Insurance	26.8%	31.1%	26.5%	24.1%	22.7%
PPO, POS	13.3%	11.2%	10.8%	12.2%	11.1%
Medicaid	59.9%	57.7%	62.7%	63.7%	66.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	2,382	2,365	2,120	2,136	2,100
Indemnity Insurance	35.5%	37.8%	32.4%	31.8%	28.5%
PPO, POS	12.4%	11.0%	10.4%	12.9%	11.5%
Medicaid	52.1%	51.3%	57.2%	55.2%	59.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,553	1,676	1,544	1,641	1,676
Indemnity Insurance	34.6%	35.6%	33.1%	30.4%	26.3%
PPO, POS	15.3%	14.3%	15.3%	16.1%	15.4%
Medicaid	50.0%	50.1%	51.4%	53.3%	58.2%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	4,902	4,945	4,534	4,806	4,679
Indemnity Insurance	41.8%	42.4%	38.7%	34.4%	31.9%
PPO, POS	16.6%	16.1%	16.1%	18.0%	16.0%
Medicaid	41.6%	41.4%	45.2%	47.6%	52.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	4,729	5,124	4,679	4,994	5,224
Indemnity Insurance	52.3%	53.2%	48.1%	46.4%	42.0%
PPO, POS	16.8%	15.1%	15.3%	16.6%	15.3%
Medicaid	30.9%	31.7%	36.0%	35.8%	41.8%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.2%	0.9%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	671	831	894	1,069	1,171
Indemnity Insurance	22.7%	21.1%	20.8%	19.7%	20.1%
PPO, POS	16.2%	9.0%	8.7%	14.2%	13.0%
Medicaid	61.1%	69.9%	69.5%	63.0%	63.5%
HMO/Risk/Medicare	0.0%	0.0%	1.0%	3.0%	3.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	688	894	929	1,011	1,054
Indemnity Insurance	7.1%	6.3%	5.1%	5.2%	5.2%
PPO, POS	13.1%	5.3%	5.6%	7.1%	6.3%
Medicaid	79.8%	88.5%	87.7%	83.9%	85.1%
HMO/Risk/Medicare	0.0%	0.0%	1.6%	3.8%	3.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	17,856	19,059	17,851	19,002	19,333
Indemnity Insurance	38.0%	38.6%	34.2%	31.8%	29.0%
PPO, POS	15.1%	13.2%	13.1%	14.8%	13.3%
Medicaid	46.9%	48.2%	52.4%	52.7%	57.0%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.7%	0.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 45. Percent of Insured Patients Utilizing Dental Services by Year and by Age, Franklin County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	19.2%	21.7%	23.2%	20.2%	19.9%
Total with Dental Insurance	782	1,014	1,014	1,178	1,267
Total Receiving Dental Care	150	220	235	238	252
Indemnity Insurance	26.3%	28.8%	28.7%	29.2%	38.8%
PPO, POS	11.1%	15.7%	14.5%	21.7%	25.0%
Medicaid	19.0%	21.1%	23.2%	19.0%	17.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	62.9%	67.3%	75.0%	67.4%	64.9%
Total with Dental Insurance	2,149	2,210	2,137	2,167	2,162
Total Receiving Dental Care	1,351	1,488	1,603	1,461	1,403
Indemnity Insurance	76.2%	73.5%	75.5%	74.1%	77.3%
PPO, POS	53.7%	73.3%	94.4%	77.4%	70.0%
Medicaid	58.9%	62.9%	71.5%	63.0%	59.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	60.6%	59.6%	65.5%	62.1%	59.8%
Total with Dental Insurance	2,382	2,365	2,120	2,136	2,100
Total Receiving Dental Care	1,443	1,409	1,388	1,326	1,256
Indemnity Insurance	71.7%	64.6%	70.5%	73.0%	78.6%
PPO, POS	59.1%	64.9%	90.5%	74.2%	74.8%
Medicaid	53.3%	54.7%	58.2%	53.1%	48.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	30.9%	29.3%	34.7%	29.8%	29.7%
Total with Dental Insurance	1,553	1,676	1,544	1,641	1,676
Total Receiving Dental Care	480	491	535	489	497
Indemnity Insurance	42.8%	40.4%	45.0%	38.1%	44.9%
PPO, POS	27.7%	31.7%	38.4%	38.3%	42.2%
Medicaid	23.7%	20.7%	27.0%	22.7%	19.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	37.6%	37.4%	38.3%	35.8%	34.7%
Total with Dental Insurance	4,902	4,945	4,534	4,806	4,679
Total Receiving Dental Care	1,841	1,848	1,737	1,722	1,624
Indemnity Insurance	57.6%	53.5%	54.6%	23.4%	60.1%
PPO, POS	40.5%	50.6%	59.9%	23.7%	49.2%
Medicaid	16.2%	15.7%	16.7%	38.0%	14.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 45. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Franklin County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	48.7%	47.7%	48.6%	48.4%	44.8%
Total with Dental Insurance	4,729	5,124	4,679	4,994	5,224
Total Receiving Dental Care	2,305	2,443	2,274	2,416	2,338
Indemnity Insurance	72.6%	66.6%	70.2%	72.8%	73.9%
PPO, POS	46.2%	61.4%	72.8%	65.5%	65.3%
Medicaid	9.8%	9.4%	10.3%	10.0%	8.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	13.6%	8.7%
% Insured 65-74 Years Receiving Care	28.8%	25.3%	26.2%	25.5%	24.6%
Total with Dental Insurance	671	831	894	1,069	1,171
Total Receiving Dental Care	193	210	234	273	288
Indemnity Insurance	86.8%	86.9%	82.8%	89.6%	86.0%
PPO, POS	45.0%	66.7%	88.5%	44.7%	44.7%
Medicaid	2.9%	1.4%	1.8%	2.4%	2.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	5.0%
% Insured 75 years and older Receiving Care	10.2%	10.5%	10.4%	9.6%	8.5%
Total with Dental Insurance	688	894	929	1,011	1,054
Total Receiving Dental Care	70	94	97	97	90
Indemnity Insurance	73.5%	85.7%	91.5%	92.5%	87.3%
PPO, POS	26.7%	63.8%	67.3%	43.1%	48.5%
Medicaid	1.8%	2.0%	2.3%	2.0%	1.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
Total	43.9%	43.0%	45.4%	42.2%	40.1%
Total with Dental Insurance	17,856	19,059	17,851	19,002	19,333
Total Receiving Dental Care	7,833	8,203	8,103	8,022	7,748
Indemnity Insurance	65.6%	61.1%	63.9%	65.8%	68.8%
PPO, POS	43.4%	55.6%	67.7%	57.3%	56.9%
Medicaid	26.5%	25.1%	28.0%	24.3%	22.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	5.8%	4.8%

Source: MHDO, CHWS, 2012

Table 46. Hancock: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,333	1,606	1,699	5,556	5,846
Indemnity Insurance	9.8%	13.8%	12.8%	12.3%	11.2%
PPO, POS	21.1%	14.4%	12.2%	11.1%	10.3%
Medicaid	69.2%	71.7%	74.9%	76.6%	78.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	3,245	3,343	3,290	9,863	10,115
Indemnity Insurance	21.6%	26.4%	25.3%	24.3%	22.4%
PPO, POS	23.0%	19.3%	17.7%	17.3%	15.7%
Medicaid	55.4%	54.4%	57.1%	58.3%	61.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	3,548	3,506	3,301	8,616	8,664
Indemnity Insurance	28.5%	30.5%	29.2%	28.2%	27.1%
PPO, POS	23.5%	21.3%	18.1%	19.6%	17.5%
Medicaid	48.0%	48.1%	52.5%	52.0%	55.3%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	2,461	2,618	2,442	2,501	2,618
Indemnity Insurance	30.7%	30.8%	29.9%	29.4%	28.3%
PPO, POS	30.3%	28.2%	24.0%	25.6%	22.1%
Medicaid	39.0%	41.0%	46.1%	44.8%	49.6%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	8,190	8,162	7,663	8,071	8,172
Indemnity Insurance	32.2%	33.4%	34.2%	31.7%	29.1%
PPO, POS	32.4%	29.9%	26.8%	26.8%	23.8%
Medicaid	35.4%	36.7%	39.0%	41.3%	47.0%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	8,743	8,905	8,328	8,963	9,461
Indemnity Insurance	42.8%	45.6%	45.6%	44.3%	40.9%
PPO, POS	33.7%	29.4%	26.6%	27.6%	24.4%
Medicaid	23.5%	25.0%	27.4%	27.2%	34.2%
HMO/Risk/Medicare	0.0%	0.0%	0.4%	0.9%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	1,297	1,483	1,655	1,948	2,114
Indemnity Insurance	21.7%	22.7%	23.2%	22.6%	21.2%
PPO, POS	28.8%	21.9%	22.1%	21.3%	22.8%
Medicaid	49.5%	55.3%	52.8%	47.9%	51.7%
HMO/Risk/Medicare	0.0%	0.1%	1.9%	8.1%	4.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	1,311	1,555	1,691	1,830	1,896
Indemnity Insurance	7.2%	6.4%	6.7%	6.6%	6.6%
PPO, POS	21.8%	13.7%	16.4%	15.6%	15.6%
Medicaid	70.9%	79.5%	75.1%	70.3%	72.3%
HMO/Risk/Medicare	0.0%	0.3%	1.8%	7.5%	5.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	30,128	31,178	30,069	31,897	33,125
Indemnity Insurance	31.0%	32.7%	32.1%	30.8%	28.6%
PPO, POS	29.4%	25.5%	22.9%	23.3%	21.0%
Medicaid	39.5%	41.7%	44.6%	44.6%	49.6%
HMO/Risk/Medicare	0.0%	0.0%	0.4%	1.3%	0.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 47. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Hancock County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	15.6%	16.0%	18.7%	25.1%	26.3%
Total with Dental Insurance	1,333	1,606	1,699	1,835	2,046
Total Receiving Dental Care	208	257	317	461	538
Indemnity Insurance	30.8%	32.0%	28.4%	36.3%	40.6%
PPO, POS	10.0%	18.5%	21.6%	27.0%	29.9%
Medicaid	15.2%	12.4%	16.5%	23.1%	23.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	62.2%	64.8%	71.5%	70.5%	72.8%
Total with Dental Insurance	3,245	3,343	3,290	3,401	3,515
Total Receiving Dental Care	2,020	2,166	2,351	2,397	2,558
Indemnity Insurance	87.4%	75.8%	75.7%	82.7%	83.2%
PPO, POS	52.3%	68.5%	84.7%	83.3%	91.3%
Medicaid	56.6%	58.1%	65.5%	61.6%	64.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	57.4%	60.9%	64.3%	63.1%	65.6%
Total with Dental Insurance	3,548	3,506	3,301	3,348	3,303
Total Receiving Dental Care	2,038	2,134	2,121	2,111	2,167
Indemnity Insurance	75.4%	73.9%	69.6%	71.8%	79.0%
PPO, POS	50.7%	58.8%	73.4%	71.4%	75.6%
Medicaid	50.1%	53.5%	58.2%	55.5%	56.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	34.0%	34.3%	35.2%	36.5%	34.9%
Total with Dental Insurance	2,461	2,618	2,442	2,501	2,618
Total Receiving Dental Care	837	898	859	913	913
Indemnity Insurance	49.3%	50.1%	43.3%	46.6%	51.8%
PPO, POS	31.6%	33.6%	50.4%	51.2%	46.1%
Medicaid	23.8%	22.9%	22.0%	21.6%	20.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	38.4%	40.4%	41.8%	39.4%	39.0%
Total with Dental Insurance	8,190	8,162	7,663	8,071	8,172
Total Receiving Dental Care	3,146	3,295	3,203	3,180	3,184
Indemnity Insurance	62.1%	61.1%	57.9%	58.8%	64.0%
PPO, POS	40.5%	48.5%	59.2%	57.0%	57.6%
Medicaid	15.0%	14.8%	15.7%	13.3%	14.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 47. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Franklin County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	51.2%	56.0%	58.2%	55.2%	52.5%
Total with Dental Insurance	8,743	8,905	8,328	8,963	9,461
Total Receiving Dental Care	4,475	4,985	4,848	4,952	4,969
Indemnity Insurance	77.0%	78.1%	75.1%	73.6%	76.9%
PPO, POS	47.6%	60.8%	78.7%	72.9%	74.4%
Medicaid	9.4%	9.8%	11.1%	9.2%	8.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	1.3%	0.0%
% Insured 65-74 Years Receiving Care	36.0%	36.7%	36.9%	37.0%	35.4%
Total with Dental Insurance	1,297	1,483	1,655	1,948	2,114
Total Receiving Dental Care	467	544	611	720	749
Indemnity Insurance	89.7%	81.5%	81.3%	88.4%	91.1%
PPO, POS	50.4%	74.5%	76.2%	69.4%	63.8%
Medicaid	4.0%	3.4%	2.2%	4.3%	3.0%
HMO/Risk/Medicare	0.0%	0.0%	3.2%	1.3%	1.1%
% Insured 75 years and older Receiving Care	15.6%	16.1%	17.3%	17.0%	16.7%
Total with Dental Insurance	1,311	1,555	1,691	1,830	1,896
Total Receiving Dental Care	204	251	292	312	316
Indemnity Insurance	84.2%	100.0%	89.4%	88.4%	89.6%
PPO, POS	32.9%	55.9%	53.6%	56.5%	53.9%
Medicaid	3.2%	2.6%	2.8%	2.8%	2.8%
HMO/Risk/Medicare	0.0%	0.0%	20.0%	5.8%	5.7%
Total	44.5%	46.6%	48.6%	47.2%	46.5%
Total with Dental Insurance	30,128	31,178	30,069	31,897	33,125
Total Receiving Dental Care	13,395	14,530	14,602	15,046	15,394
Indemnity Insurance	71.0%	70.0%	66.9%	68.3%	72.4%
PPO, POS	43.3%	54.2%	67.7%	65.0%	65.8%
Medicaid	24.5%	23.6%	25.9%	24.6%	24.1%
HMO/Risk/Medicare	0.0%	0.0%	6.4%	2.7%	2.7%

Source: MHDO, CHWS, 2012

Table 48. Kennebec: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	3,579	4,423	4,453	4,763	5,325
Indemnity Insurance	13.4%	16.4%	16.6%	15.0%	13.7%
PPO, POS	14.8%	10.6%	10.5%	10.6%	8.2%
Medicaid	71.8%	73.0%	72.8%	74.3%	78.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	9,992	10,302	10,090	10,136	10,157
Indemnity Insurance	28.6%	32.5%	32.3%	30.1%	29.7%
PPO, POS	18.3%	15.6%	14.3%	15.0%	12.7%
Medicaid	53.2%	52.0%	53.4%	54.8%	57.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	10,364	10,654	10,124	9,992	9,683
Indemnity Insurance	35.8%	39.1%	39.9%	37.9%	37.4%
PPO, POS	21.7%	19.1%	16.6%	18.0%	15.7%
Medicaid	42.6%	41.8%	43.4%	44.0%	46.8%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	7,306	7,488	7,072	7,208	7,526
Indemnity Insurance	36.0%	37.6%	39.3%	38.0%	36.8%
PPO, POS	22.2%	21.5%	18.8%	19.2%	16.4%
Medicaid	41.8%	40.9%	41.8%	42.4%	46.5%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.5%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	24,287	24,303	23,149	24,019	23,525
Indemnity Insurance	42.2%	43.3%	44.6%	40.2%	40.3%
PPO, POS	24.6%	22.8%	20.4%	21.1%	17.7%
Medicaid	33.1%	33.9%	35.0%	38.5%	41.9%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	21,848	23,242	23,193	24,109	25,087
Indemnity Insurance	53.3%	55.2%	56.3%	53.9%	52.7%
PPO, POS	24.4%	22.2%	20.0%	20.7%	18.2%
Medicaid	22.3%	22.6%	23.1%	24.1%	28.5%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.2%	0.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	2,757	3,451	3,730	4,659	4,788
Indemnity Insurance	33.3%	29.8%	31.5%	28.7%	29.6%
PPO, POS	15.6%	10.8%	10.0%	15.8%	15.5%
Medicaid	51.1%	59.1%	56.6%	48.0%	52.0%
HMO/Risk/Medicare	0.0%	0.3%	1.9%	7.6%	2.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	2,948	3,738	3,991	4,347	4,313
Indemnity Insurance	11.1%	10.6%	10.0%	10.2%	11.2%
PPO, POS	11.1%	5.8%	5.9%	6.7%	6.4%
Medicaid	77.8%	83.6%	80.8%	75.1%	78.0%
HMO/Risk/Medicare	0.0%	0.1%	3.3%	8.0%	4.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	83,081	87,601	85,802	89,233	90,404
Indemnity Insurance	39.5%	40.9%	41.7%	38.9%	38.4%
PPO, POS	22.0%	19.4%	17.4%	18.2%	15.8%
Medicaid	38.5%	39.7%	40.5%	41.6%	45.2%
HMO/Risk/Medicare	0.0%	0.0%	0.4%	1.2%	0.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 49. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Kennebec County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	24.9%	24.1%	23.9%	22.6%	22.8%
Total with Dental Insurance	3,579	4,423	4,453	4,763	5,325
Total Receiving Dental Care	890	1,065	1,063	1,076	1,213
Indemnity Insurance	17.9%	18.2%	16.1%	22.0%	29.2%
PPO, POS	17.5%	29.9%	30.8%	25.8%	27.6%
Medicaid	27.7%	24.6%	24.7%	22.3%	21.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	62.3%	65.6%	69.2%	68.8%	67.4%
Total with Dental Insurance	9,992	10,302	10,090	10,136	10,157
Total Receiving Dental Care	6,223	6,757	6,985	6,978	6,849
Indemnity Insurance	64.9%	58.3%	57.2%	73.6%	76.5%
PPO, POS	68.3%	104.1%	124.1%	91.0%	90.0%
Medicaid	58.8%	58.6%	61.8%	60.3%	57.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	58.7%	61.6%	65.4%	65.6%	64.0%
Total with Dental Insurance	10,364	10,654	10,124	9,992	9,683
Total Receiving Dental Care	6,083	6,566	6,625	6,555	6,193
Indemnity Insurance	67.4%	60.0%	58.7%	74.6%	74.4%
PPO, POS	64.7%	91.2%	113.5%	86.4%	79.7%
Medicaid	48.3%	49.7%	53.3%	49.6%	50.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	32.8%	34.6%	36.9%	38.2%	38.4%
Total with Dental Insurance	7,306	7,488	7,072	7,208	7,526
Total Receiving Dental Care	2,399	2,593	2,609	2,750	2,891
Indemnity Insurance	43.3%	40.4%	39.7%	49.3%	52.0%
PPO, POS	39.2%	55.7%	69.1%	53.5%	55.4%
Medicaid	20.4%	18.3%	19.9%	21.5%	21.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	8.8%	0.0%
% Insured 25-44 Years Receiving Care	41.0%	42.7%	45.0%	43.9%	43.1%
Total with Dental Insurance	24,287	24,303	23,149	24,019	23,525
Total Receiving Dental Care	9,958	10,372	10,420	10,549	10,138
Indemnity Insurance	55.0%	50.7%	49.5%	60.2%	63.4%
PPO, POS	52.3%	72.0%	87.5%	66.3%	63.0%
Medicaid	14.7%	12.7%	14.6%	14.9%	15.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 49. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Kennebec County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	54.2%	58.0%	60.5%	61.9%	56.7%
Total with Dental Insurance	21,848	23,242	23,193	24,109	25,087
Total Receiving Dental Care	11,848	13,485	14,033	14,912	14,227
Indemnity Insurance	69.8%	64.2%	63.2%	75.8%	76.0%
PPO, POS	61.5%	92.6%	113.1%	88.5%	77.1%
Medicaid	9.0%	9.0%	9.7%	10.5%	8.9%
HMO/Risk/Medicare	0.0%	50.0%	3.4%	7.8%	8.6%
% Insured 65-74 Years Receiving Care	36.8%	34.5%	37.7%	35.3%	33.9%
Total with Dental Insurance	2,757	3,451	3,730	4,659	4,788
Total Receiving Dental Care	1,015	1,190	1,408	1,644	1,624
Indemnity Insurance	83.9%	80.5%	81.7%	84.3%	84.6%
PPO, POS	46.9%	84.2%	106.7%	59.9%	45.5%
Medicaid	3.1%	2.4%	2.0%	2.3%	2.8%
HMO/Risk/Medicare	0.0%	0.0%	8.6%	7.1%	12.6%
% Insured 75 years and older Receiving Care	14.8%	13.8%	14.0%	14.2%	14.5%
Total with Dental Insurance	2,948	3,738	3,991	4,347	4,313
Total Receiving Dental Care	436	517	560	617	624
Indemnity Insurance	83.5%	80.6%	86.3%	87.4%	82.3%
PPO, POS	34.5%	63.3%	66.2%	55.6%	57.5%
Medicaid	2.2%	2.0%	1.8%	1.6%	1.9%
HMO/Risk/Medicare	0.0%	0.0%	1.5%	4.3%	3.6%
Total	46.8%	48.6%	50.9%	50.5%	48.4%
Total with Dental Insurance	83,081	87,601	85,802	89,233	90,404
Total Receiving Dental Care	38,852	42,545	43,703	45,081	43,759
Indemnity Insurance	62.1%	57.0%	56.3%	68.4%	70.0%
PPO, POS	55.5%	81.0%	98.7%	74.8%	69.0%
Medicaid	26.0%	24.0%	25.5%	24.4%	23.4%
HMO/Risk/Medicare	0.0%	12.5%	3.4%	6.0%	6.9%

Source: MHDO, CHWS, 2012

Table 50. Knox: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,106	1,298	1,295	1,334	1,555
Indemnity Insurance	9.7%	12.7%	13.1%	12.7%	10.6%
PPO, POS	17.8%	10.1%	10.6%	7.0%	6.5%
Medicaid	72.5%	77.2%	76.4%	80.4%	82.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	2,814	2,753	2,655	2,593	2,634
Indemnity Insurance	20.3%	25.1%	25.0%	25.3%	25.4%
PPO, POS	24.8%	16.6%	14.4%	12.3%	9.9%
Medicaid	54.9%	58.4%	60.6%	62.4%	64.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	2,791	2,694	2,692	2,560	2,566
Indemnity Insurance	25.3%	30.4%	32.6%	33.3%	32.3%
PPO, POS	25.1%	20.1%	16.8%	13.9%	11.8%
Medicaid	49.6%	49.4%	50.5%	52.5%	55.9%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,919	1,958	1,818	1,837	1,909
Indemnity Insurance	27.3%	29.7%	33.0%	33.3%	32.0%
PPO, POS	25.2%	21.2%	17.4%	15.2%	14.7%
Medicaid	47.5%	49.0%	49.6%	51.4%	53.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	6,328	6,124	5,740	5,714	5,846
Indemnity Insurance	30.6%	34.7%	37.0%	36.0%	34.9%
PPO, POS	29.9%	22.8%	19.8%	16.7%	13.8%
Medicaid	39.6%	42.6%	43.2%	47.2%	51.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	6,230	6,402	6,446	6,709	7,062
Indemnity Insurance	43.4%	47.6%	52.7%	51.2%	48.5%
PPO, POS	32.1%	26.3%	20.3%	20.1%	17.8%
Medicaid	24.5%	26.2%	26.8%	28.3%	33.5%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.5%	0.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	980	1,141	1,232	1,474	1,579
Indemnity Insurance	21.1%	22.3%	24.4%	23.8%	24.9%
PPO, POS	27.6%	19.1%	17.2%	23.3%	21.5%
Medicaid	51.3%	58.5%	55.8%	48.7%	51.0%
HMO/Risk/Medicare	0.0%	0.1%	2.5%	4.1%	2.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	1,022	1,280	1,327	1,427	1,472
Indemnity Insurance	9.8%	7.9%	14.8%	9.6%	8.2%
PPO, POS	20.9%	11.6%	11.2%	13.5%	11.7%
Medicaid	69.3%	80.5%	78.6%	73.0%	76.8%
HMO/Risk/Medicare	0.0%	0.0%	2.2%	3.9%	3.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	23,190	23,650	23,205	23,648	24,623
Indemnity Insurance	29.5%	32.9%	35.5%	35.0%	33.5%
PPO, POS	27.8%	21.1%	17.6%	16.4%	14.3%
Medicaid	42.6%	46.0%	46.5%	47.9%	51.8%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.7%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 51. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Knox County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	17.5%	16.3%	20.0%	17.3%	15.6%
Total with Dental Insurance	1,106	1,298	1,295	1,334	1,555
Total Receiving Dental Care	193	211	259	231	242
Indemnity Insurance	20.6%	19.4%	20.1%	20.1%	27.3%
PPO, POS	14.7%	28.2%	40.1%	36.6%	29.7%
Medicaid	17.7%	14.2%	17.2%	15.2%	13.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	57.7%	61.6%	65.7%	66.4%	70.8%
Total with Dental Insurance	2,814	2,753	2,655	2,593	2,634
Total Receiving Dental Care	1,623	1,697	1,744	1,723	1,866
Indemnity Insurance	59.8%	50.6%	54.3%	67.8%	77.6%
PPO, POS	59.1%	99.3%	122.0%	126.6%	115.4%
Medicaid	56.2%	55.7%	57.0%	54.0%	61.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	55.6%	61.3%	63.6%	64.5%	64.7%
Total with Dental Insurance	2,791	2,694	2,692	2,560	2,566
Total Receiving Dental Care	1,551	1,651	1,711	1,650	1,659
Indemnity Insurance	61.9%	55.5%	54.2%	66.8%	72.1%
PPO, POS	62.3%	98.2%	119.5%	132.2%	111.2%
Medicaid	49.0%	49.8%	51.2%	45.3%	50.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	31.8%	33.0%	37.5%	38.5%	36.4%
Total with Dental Insurance	1,919	1,958	1,818	1,837	1,909
Total Receiving Dental Care	611	646	682	707	694
Indemnity Insurance	40.0%	35.2%	38.8%	48.8%	51.6%
PPO, POS	45.0%	57.5%	82.9%	78.9%	57.9%
Medicaid	20.2%	21.0%	20.7%	19.9%	21.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	33.6%	37.0%	38.2%	41.0%	38.4%
Total with Dental Insurance	6,328	6,124	5,740	5,714	5,846
Total Receiving Dental Care	2,126	2,265	2,194	2,341	2,247
Indemnity Insurance	49.0%	43.3%	41.9%	55.6%	60.0%
PPO, POS	47.9%	74.2%	89.7%	93.4%	82.1%
Medicaid	10.9%	12.0%	11.5%	11.4%	12.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 51. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Knox County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	50.5%	55.1%	57.0%	57.9%	53.6%
Total with Dental Insurance	6,230	6,402	6,446	6,709	7,062
Total Receiving Dental Care	3,144	3,525	3,674	3,887	3,783
Indemnity Insurance	62.1%	53.2%	52.2%	65.7%	74.3%
PPO, POS	68.4%	106.2%	137.3%	111.9%	87.9%
Medicaid	6.3%	7.2%	6.0%	6.3%	5.7%
HMO/Risk/Medicare	0.0%	0.0%	21.4%	6.3%	4.8%
% Insured 65-74 Years Receiving Care	32.8%	34.1%	37.7%	38.0%	34.6%
Total with Dental Insurance	321	389	464	560	547
Total Receiving Dental Care	980	1,141	1,232	1,474	1,579
Indemnity Insurance	81.6%	70.9%	66.4%	80.9%	81.7%
PPO, POS	51.5%	89.4%	116.5%	73.0%	63.7%
Medicaid	2.6%	2.1%	2.3%	3.2%	1.2%
HMO/Risk/Medicare	0.0%	0.0%	3.2%	3.3%	0.0%
% Insured 75 years and older Receiving Care	16.4%	16.7%	16.4%	17.9%	15.8%
Total with Dental Insurance	1,022	1,280	1,327	1,427	1,472
Total Receiving Dental Care	168	214	218	255	233
Indemnity Insurance	75.0%	84.2%	51.8%	87.6%	94.2%
PPO, POS	40.2%	75.8%	75.0%	60.9%	61.0%
Medicaid	1.0%	1.6%	0.5%	0.6%	0.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	21.4%	12.5%
Total	42.0%	44.8%	47.2%	48.0%	45.8%
Total with Dental Insurance	23,190	23,650	23,205	23,648	24,623
Total Receiving Dental Care	9,737	10,598	10,946	11,354	11,271
Indemnity Insurance	56.6%	49.4%	49.4%	62.3%	68.9%
PPO, POS	55.7%	88.0%	109.9%	100.3%	82.9%
Medicaid	0.0%	21.7%	22.0%	20.2%	20.9%
HMO/Risk/Medicare	0.0%	0.0%	5.0%	9.9%	6.1%

Source: MHDO, CHWS, 2012

Table 52. Lincoln: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	768	992	1,020	1,029	1,170
Indemnity Insurance	10.2%	16.2%	18.6%	18.3%	14.6%
PPO, POS	13.3%	9.7%	8.5%	7.4%	6.5%
Medicaid	76.6%	74.1%	72.8%	74.3%	78.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	2,322	2,412	2,351	2,384	2,331
Indemnity Insurance	25.2%	30.2%	30.3%	28.8%	29.6%
PPO, POS	17.4%	14.9%	12.3%	11.7%	9.1%
Medicaid	57.4%	54.9%	57.4%	59.6%	61.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	2,364	2,443	2,396	2,328	2,299
Indemnity Insurance	33.4%	36.5%	37.9%	35.9%	35.5%
PPO, POS	20.8%	17.0%	14.2%	15.1%	11.7%
Medicaid	45.8%	46.5%	47.8%	48.8%	52.7%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,570	1,641	1,545	1,537	1,586
Indemnity Insurance	36.9%	42.2%	41.2%	38.1%	38.1%
PPO, POS	25.3%	22.0%	19.3%	19.3%	16.0%
Medicaid	37.8%	35.8%	39.4%	42.4%	45.6%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.3%	0.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	5,121	4,989	4,989	5,056	5,055
Indemnity Insurance	39.6%	41.3%	42.2%	38.4%	38.5%
PPO, POS	24.0%	21.7%	18.9%	19.0%	14.6%
Medicaid	36.5%	37.1%	38.8%	42.5%	46.8%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	5,279	5,433	5,545	5,745	5,920
Indemnity Insurance	45.4%	49.1%	51.8%	49.4%	48.6%
PPO, POS	31.7%	27.1%	23.5%	23.8%	18.8%
Medicaid	22.9%	23.8%	24.0%	25.6%	31.8%
HMO/Risk/Medicare	0.0%	0.0%	0.6%	1.2%	0.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	874	953	1,046	1,276	1,388
Indemnity Insurance	22.4%	24.4%	25.1%	25.7%	27.8%
PPO, POS	37.6%	25.0%	24.2%	27.2%	23.9%
Medicaid	39.9%	50.6%	47.3%	40.4%	44.5%
HMO/Risk/Medicare	0.0%	0.0%	3.3%	6.7%	3.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	787	1,001	1,034	1,194	1,236
Indemnity Insurance	9.0%	8.1%	8.4%	7.7%	8.3%
PPO, POS	25.2%	16.2%	15.8%	19.7%	17.9%
Medicaid	65.8%	75.7%	72.1%	66.2%	70.1%
HMO/Risk/Medicare	0.0%	0.0%	3.8%	6.4%	3.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	19,085	20,094	19,926	20,549	20,985
Indemnity Insurance	35.2%	37.9%	39.0%	36.5%	36.2%
PPO, POS	25.3%	21.1%	18.5%	19.0%	15.3%
Medicaid	39.5%	41.1%	41.9%	43.3%	47.7%
HMO/Risk/Medicare	0.0%	0.0%	0.6%	1.2%	0.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 53. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Lincoln County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	21.2%	20.6%	22.5%	21.2%	19.1%
Total with Dental Insurance	768	992	1,020	1,029	1,170
Total Receiving Dental Care	163	204	230	218	224
Indemnity Insurance	24.4%	22.4%	23.2%	25.5%	28.1%
PPO, POS	22.5%	24.0%	27.6%	27.6%	30.3%
Medicaid	20.6%	19.7%	21.8%	19.5%	16.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	55.7%	60.0%	67.1%	67.2%	68.6%
Total with Dental Insurance	2,322	2,412	2,351	2,384	2,331
Total Receiving Dental Care	1,293	1,447	1,578	1,601	1,599
Indemnity Insurance	62.6%	63.1%	63.4%	73.2%	73.2%
PPO, POS	52.3%	66.6%	89.9%	93.9%	100.0%
Medicaid	53.7%	56.5%	64.2%	59.0%	61.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	52.5%	55.6%	60.5%	60.2%	60.8%
Total with Dental Insurance	2,364	2,443	2,396	2,328	2,299
Total Receiving Dental Care	1,241	1,359	1,450	1,401	1,398
Indemnity Insurance	61.8%	64.8%	63.9%	73.3%	68.6%
PPO, POS	45.3%	61.3%	83.8%	70.5%	77.4%
Medicaid	49.0%	46.3%	51.0%	47.5%	52.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	30.8%	33.2%	36.0%	35.7%	35.6%
Total with Dental Insurance	1,570	1,641	1,545	1,537	1,586
Total Receiving Dental Care	484	544	556	549	564
Indemnity Insurance	40.2%	37.8%	38.3%	42.4%	44.1%
PPO, POS	34.0%	41.3%	55.7%	49.8%	50.4%
Medicaid	19.6%	22.7%	24.0%	23.5%	23.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	34.7%	38.2%	40.0%	38.9%	38.4%
Total with Dental Insurance	5,121	5,219	4,989	5,056	5,055
Total Receiving Dental Care	1,778	1,993	1,994	1,965	1,940
Indemnity Insurance	54.5%	55.9%	52.3%	58.0%	57.8%
PPO, POS	39.1%	50.5%	65.4%	57.7%	68.2%
Medicaid	10.4%	11.3%	14.3%	13.4%	13.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 53. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Lincoln County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	48.4%	54.0%	56.1%	56.8%	51.0%
Total with Dental Insurance	5,279	5,433	5,545	5,745	5,920
Total Receiving Dental Care	2,555	2,934	3,110	3,266	3,018
Indemnity Insurance	68.8%	68.7%	66.4%	74.6%	71.0%
PPO, POS	50.0%	68.3%	83.4%	75.5%	76.1%
Medicaid	5.8%	7.6%	8.7%	7.8%	6.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 65-74 Years Receiving Care	41.1%	41.7%	46.6%	42.5%	41.3%
Total with Dental Insurance	874	953	1,046	1,276	1,388
Total Receiving Dental Care	359	397	487	542	573
Indemnity Insurance	92.3%	89.3%	97.0%	94.2%	87.6%
PPO, POS	50.5%	74.8%	85.8%	60.8%	63.9%
Medicaid	3.4%	2.3%	1.8%	1.9%	2.8%
HMO/Risk/Medicare	0.0%	0.0%	17.1%	14.0%	11.5%
% Insured 75 years and older Receiving Care	19.2%	18.9%	18.0%	17.5%	17.2%
Total with Dental Insurance	787	1,001	1,034	1,194	1,236
Total Receiving Dental Care	151	189	186	209	212
Indemnity Insurance	87.3%	91.4%	86.2%	84.8%	85.3%
PPO, POS	41.4%	67.3%	64.4%	48.5%	48.9%
Medicaid	1.4%	0.8%	0.7%	1.1%	1.5%
HMO/Risk/Medicare	0.0%	0.0%	2.6%	10.5%	8.5%
Total	42.0%	45.1%	48.1%	47.5%	45.4%
Total with Dental Insurance	19,085	20,094	19,926	20,549	20,985
Total Receiving Dental Care	8,024	9,067	9,591	9,751	9,528
Indemnity Insurance	61.0%	61.2%	59.9%	67.3%	65.5%
PPO, POS	44.7%	59.7%	75.1%	66.2%	69.7%
Medicaid	23.4%	22.8%	25.9%	23.6%	23.0%
HMO/Risk/Medicare	0.0%	0.0%	6.0%	8.1%	6.4%

Source: MHDO, CHWS, 2012

Table 54. Oxford: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,608	2,090	2,136	2,283	2,460
Indemnity Insurance	12.4%	16.8%	16.5%	11.3%	12.0%
PPO, POS	11.1%	7.5%	8.9%	10.1%	7.7%
Medicaid	76.6%	75.6%	74.6%	78.6%	80.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	4,609	4,874	4,759	4,798	4,871
Indemnity Insurance	24.6%	29.3%	28.2%	24.9%	24.1%
PPO, POS	16.9%	14.5%	13.1%	14.3%	12.1%
Medicaid	58.4%	56.1%	58.7%	60.8%	63.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	4,990	5,145	4,967	4,921	4,852
Indemnity Insurance	29.2%	34.2%	33.5%	31.0%	29.4%
PPO, POS	18.7%	16.0%	14.4%	16.4%	13.6%
Medicaid	52.0%	49.8%	52.0%	52.4%	56.9%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	3,087	3,320	3,244	3,384	3,571
Indemnity Insurance	32.1%	33.6%	34.1%	31.4%	30.6%
PPO, POS	22.2%	20.8%	18.3%	19.7%	15.9%
Medicaid	45.7%	45.6%	47.5%	48.7%	53.4%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	10,199	10,511	10,082	10,427	10,473
Indemnity Insurance	37.8%	39.4%	39.4%	33.5%	32.7%
PPO, POS	22.3%	20.5%	19.1%	21.3%	17.0%
Medicaid	39.9%	40.1%	41.5%	45.2%	50.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	9,296	9,965	9,976	10,672	11,413
Indemnity Insurance	43.9%	46.2%	46.8%	43.4%	41.4%
PPO, POS	26.1%	23.1%	21.2%	23.2%	19.0%
Medicaid	30.0%	30.6%	31.7%	32.4%	39.2%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.9%	0.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	1,299	1,698	1,877	2,313	2,443
Indemnity Insurance	17.9%	17.4%	17.9%	15.3%	15.5%
PPO, POS	16.8%	10.9%	9.7%	14.1%	14.8%
Medicaid	65.4%	71.7%	71.2%	62.2%	65.7%
HMO/Risk/Medicare	0.0%	0.0%	1.1%	8.5%	3.9%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	1,450	1,922	1,992	2,170	2,257
Indemnity Insurance	4.4%	3.7%	3.9%	4.1%	4.0%
PPO, POS	8.4%	5.1%	5.3%	5.9%	5.8%
Medicaid	87.2%	90.9%	89.1%	84.1%	85.9%
HMO/Risk/Medicare	0.0%	0.2%	1.8%	5.9%	4.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	36,538	39,525	39,033	40,968	42,340
Indemnity Insurance	32.9%	34.8%	34.6%	30.8%	29.8%
PPO, POS	20.8%	18.0%	16.5%	18.4%	15.2%
Medicaid	46.3%	47.1%	48.6%	49.7%	54.4%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	1.1%	0.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 55. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Oxford County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	21.7%	22.1%	25.4%	20.2%	18.6%
Total with Dental Insurance	1,608	2,090	2,136	2,283	2,460
Total Receiving Dental Care	349	461	542	461	457
Indemnity Insurance	24.1%	23.0%	15.3%	22.5%	25.3%
PPO, POS	15.7%	19.1%	20.5%	14.7%	15.8%
Medicaid	22.2%	22.1%	28.2%	20.6%	17.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	59.8%	58.2%	65.2%	62.0%	63.9%
Total with Dental Insurance	4,609	4,874	4,759	4,798	4,871
Total Receiving Dental Care	2,755	2,835	3,105	2,976	3,112
Indemnity Insurance	71.5%	65.2%	65.6%	72.9%	75.7%
PPO, POS	58.8%	65.3%	75.8%	71.5%	68.8%
Medicaid	55.1%	52.6%	62.7%	55.3%	58.5%
HMO/Risk/Medicare	0.0%	0.0%	100.0%	100.0%	0.0%
% Insured 12-18 Years Receiving Care	54.9%	55.7%	60.0%	58.9%	57.5%
Total with Dental Insurance	4,990	5,145	4,967	4,921	4,852
Total Receiving Dental Care	2,739	2,865	2,982	2,898	2,792
Indemnity Insurance	70.1%	63.3%	63.7%	69.5%	72.0%
PPO, POS	54.6%	64.6%	80.0%	70.0%	69.2%
Medicaid	46.4%	47.6%	52.1%	49.1%	47.2%
HMO/Risk/Medicare	0.0%	0.0%	33.3%	0.0%	100.0%
% Insured 19-24 Years Receiving Care	30.8%	29.8%	32.6%	31.6%	30.3%
Total with Dental Insurance	3,087	3,320	3,244	3,384	3,571
Total Receiving Dental Care	951	991	1,057	1,070	1,081
Indemnity Insurance	43.0%	36.3%	38.8%	39.2%	39.9%
PPO, POS	33.4%	34.5%	39.1%	38.1%	42.4%
Medicaid	20.9%	23.0%	25.7%	24.2%	21.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	25.0%
% Insured 25-44 Years Receiving Care	36.3%	36.2%	38.8%	35.8%	35.3%
Total with Dental Insurance	10,199	10,511	10,082	10,427	10,473
Total Receiving Dental Care	3,699	3,810	3,908	3,734	3,695
Indemnity Insurance	55.3%	51.6%	51.2%	54.9%	58.4%
PPO, POS	45.1%	48.3%	58.0%	48.3%	52.6%
Medicaid	13.3%	15.1%	18.1%	15.8%	14.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	100.0%	0.0%

Source: MHDO, CHWS, 2012

Table 55. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Oxford County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	45.0%	46.6%	48.6%	48.3%	44.1%
Total with Dental Insurance	9,296	9,965	9,976	10,672	11,413
Total Receiving Dental Care	4,181	4,643	4,851	5,155	5,030
Indemnity Insurance	65.4%	62.9%	62.7%	69.8%	68.4%
PPO, POS	53.3%	63.5%	76.6%	63.6%	67.5%
Medicaid	7.8%	9.2%	9.7%	9.7%	7.5%
HMO/Risk/Medicare	0.0%	0.0%	3.4%	8.4%	6.1%
% Insured 65-74 Years Receiving Care	25.5%	22.7%	23.8%	22.3%	21.1%
Total with Dental Insurance	1,299	1,698	1,877	2,313	2,443
Total Receiving Dental Care	331	386	447	516	516
Indemnity Insurance	83.6%	80.4%	75.9%	79.6%	79.7%
PPO, POS	50.5%	67.6%	89.1%	62.0%	50.3%
Medicaid	3.2%	1.9%	2.1%	2.1%	1.9%
HMO/Risk/Medicare	0.0%	0.0%	4.8%	1.5%	2.1%
% Insured 75 years and older Receiving Care	8.3%	7.4%	7.9%	8.5%	7.6%
Total with Dental Insurance	1,450	1,922	1,992	2,170	2,257
Total Receiving Dental Care	121	142	158	184	172
Indemnity Insurance	82.8%	87.5%	81.8%	82.2%	80.2%
PPO, POS	34.4%	58.2%	63.8%	57.8%	55.7%
Medicaid	2.1%	1.3%	1.5%	1.5%	1.2%
HMO/Risk/Medicare	0.0%	0.0%	2.8%	6.3%	2.1%
Total	41.4%	40.8%	43.7%	41.5%	39.8%
Total with Dental Insurance	36,538	39,525	39,033	40,968	42,340
Total Receiving Dental Care	15,126	16,133	17,050	16,994	16,855
Indemnity Insurance	61.2%	57.1%	57.0%	62.8%	63.7%
PPO, POS	48.5%	55.4%	66.4%	56.6%	58.7%
Medicaid	24.1%	23.2%	26.7%	23.5%	21.8%
HMO/Risk/Medicare	0.0%	0.0%	5.3%	6.2%	4.3%

Source: MHDO, CHWS, 2012

Table 56. Penobscot: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	4,299	5,519	5,676	6,175	6,621
Indemnity Insurance	11.2%	18.6%	19.8%	16.6%	15.2%
PPO, POS	16.2%	10.2%	10.9%	10.8%	7.7%
Medicaid	72.6%	71.2%	69.3%	72.5%	77.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	11,238	11,650	11,547	11,570	11,546
Indemnity Insurance	24.8%	30.6%	30.3%	28.5%	29.2%
PPO, POS	21.1%	15.9%	15.1%	16.8%	13.2%
Medicaid	54.1%	53.5%	54.6%	54.6%	57.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	11,562	11,514	10,899	10,693	10,602
Indemnity Insurance	29.6%	35.2%	35.8%	33.9%	34.1%
PPO, POS	23.0%	18.1%	16.4%	18.3%	15.1%
Medicaid	47.4%	46.7%	47.8%	47.7%	50.7%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	8,550	8,705	8,488	8,573	9,073
Indemnity Insurance	29.7%	32.0%	34.1%	33.2%	32.6%
PPO, POS	23.0%	19.8%	17.8%	19.4%	15.1%
Medicaid	47.3%	48.2%	48.1%	47.3%	52.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	28,151	27,743	26,711	27,849	27,511
Indemnity Insurance	36.8%	40.4%	41.2%	36.7%	37.1%
PPO, POS	27.6%	22.7%	21.0%	23.3%	18.2%
Medicaid	35.6%	37.0%	37.7%	39.9%	44.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	24,352	24,897	24,755	26,272	27,476
Indemnity Insurance	41.4%	46.2%	48.1%	45.9%	44.7%
PPO, POS	32.3%	26.0%	22.6%	23.7%	19.9%
Medicaid	26.3%	27.8%	29.1%	29.7%	35.0%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.8%	0.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	3,066	3,720	4,296	5,031	5,294
Indemnity Insurance	21.8%	20.5%	19.5%	18.4%	19.7%
PPO, POS	20.7%	12.8%	16.0%	16.7%	16.1%
Medicaid	57.5%	66.6%	63.7%	57.1%	59.8%
HMO/Risk/Medicare	0.0%	0.0%	0.8%	7.8%	4.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	3,041	3,933	4,373	4,655	4,809
Indemnity Insurance	7.4%	6.2%	6.1%	6.2%	6.3%
PPO, POS	11.3%	5.9%	9.2%	7.2%	6.9%
Medicaid	81.3%	87.8%	83.3%	79.4%	81.7%
HMO/Risk/Medicare	0.0%	0.1%	1.4%	7.1%	5.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	94,259	97,681	96,745	100,818	102,932
Indemnity Insurance	32.4%	36.0%	36.6%	34.0%	33.8%
PPO, POS	25.8%	20.2%	18.6%	20.0%	16.2%
Medicaid	41.8%	43.9%	44.6%	45.0%	49.4%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	1.0%	0.6%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 57. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Penobscot County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	26.1%	25.7%	23.4%	19.3%	17.1%
Total with Dental Insurance	4,299	5,519	5,676	6,175	6,621
Total Receiving Dental Care	1,122	1,419	1,329	1,192	1,130
Indemnity Insurance	30.9%	27.7%	27.2%	27.8%	30.5%
PPO, POS	16.5%	26.5%	30.2%	27.1%	32.7%
Medicaid	27.5%	25.1%	21.3%	16.2%	12.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	62.3%	67.3%	70.5%	68.5%	66.7%
Total with Dental Insurance	11,238	11,650	11,547	11,570	11,546
Total Receiving Dental Care	7,004	7,846	8,137	7,927	7,696
Indemnity Insurance	77.7%	77.7%	74.1%	79.7%	79.0%
PPO, POS	54.0%	74.9%	91.7%	77.9%	95.7%
Medicaid	58.5%	59.2%	62.6%	59.8%	53.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	58.9%	64.1%	67.6%	66.1%	62.6%
Total with Dental Insurance	11,562	11,514	10,899	10,693	10,602
Total Receiving Dental Care	6,808	7,381	7,372	7,063	6,636
Indemnity Insurance	74.1%	75.3%	72.5%	78.6%	73.7%
PPO, POS	52.1%	71.0%	88.4%	78.2%	90.0%
Medicaid	52.6%	53.0%	57.0%	52.6%	47.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	32.5%	35.8%	37.3%	37.7%	34.5%
Total with Dental Insurance	8,550	8,705	8,488	8,573	9,073
Total Receiving Dental Care	2,780	3,120	3,164	3,235	3,134
Indemnity Insurance	14.2%	49.7%	45.8%	50.3%	48.7%
PPO, POS	30.2%	37.3%	52.0%	48.1%	53.8%
Medicaid	24.1%	26.0%	25.8%	24.7%	20.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	39.4%	44.1%	45.0%	44.9%	42.4%
Total with Dental Insurance	28,151	27,743	26,711	27,849	27,511
Total Receiving Dental Care	11,095	12,231	12,030	12,511	11,667
Indemnity Insurance	59.7%	61.7%	57.6%	63.7%	62.8%
PPO, POS	39.2%	52.1%	64.8%	60.2%	67.7%
Medicaid	18.6%	19.9%	20.4%	18.8%	15.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 57. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Penobscot County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	47.7%	54.5%	55.7%	56.1%	51.3%
Total with Dental Insurance	24,352	24,897	24,755	26,272	27,476
Total Receiving Dental Care	11,626	13,557	13,791	14,734	14,105
Indemnity Insurance	72.4%	74.8%	70.7%	75.0%	73.3%
PPO, POS	45.1%	61.8%	79.7%	76.8%	77.2%
Medicaid	12.1%	13.7%	12.7%	11.5%	9.1%
HMO/Risk/Medicare	0.0%	0.0%	3.3%	6.0%	5.7%
% Insured 65-74 Years Receiving Care	29.4%	28.3%	28.6%	28.3%	26.6%
Total with Dental Insurance	3,066	3,720	4,296	5,031	5,294
Total Receiving Dental Care	902	1,051	1,228	1,425	1,409
Indemnity Insurance	81.6%	87.4%	86.9%	89.8%	83.8%
PPO, POS	39.7%	62.1%	58.6%	55.6%	49.9%
Medicaid	6.0%	3.5%	3.5%	4.2%	3.3%
HMO/Risk/Medicare	0.0%	0.0%	5.6%	1.0%	3.4%
% Insured 75 years and older Receiving Care	12.2%	11.2%	11.5%	11.8%	11.9%
Total with Dental Insurance	3,041	3,933	4,373	4,655	4,809
Total Receiving Dental Care	370	440	505	551	574
Indemnity Insurance	74.3%	83.5%	82.6%	86.6%	83.3%
PPO, POS	33.5%	62.1%	46.3%	58.2%	58.8%
Medicaid	3.5%	2.7%	2.7%	2.7%	3.1%
HMO/Risk/Medicare	0.0%	0.0%	3.2%	1.8%	1.6%
Total	44.2%	48.2%	49.2%	48.2%	45.0%
Total with Dental Insurance	94,259	97,681	96,745	100,818	102,932
Total Receiving Dental Care	41,707	47,045	47,556	48,638	46,351
Indemnity Insurance	66.3%	68.0%	64.2%	69.5%	67.9%
PPO, POS	42.5%	57.8%	71.5%	66.5%	72.2%
Medicaid	28.2%	27.5%	27.7%	25.1%	21.0%
HMO/Risk/Medicare	0.0%	0.0%	3.3%	2.2%	2.9%

Source: MHDO, CHWS, 2012

Table 58. Piscataquis: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	655	791	755	806	871
Indemnity Insurance	6.0%	10.9%	12.3%	10.2%	8.5%
PPO, POS	10.5%	6.1%	5.8%	5.5%	4.1%
Medicaid	83.5%	83.1%	81.9%	84.4%	87.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	1,709	1,770	1,618	1,624	1,606
Indemnity Insurance	18.8%	23.7%	21.3%	20.0%	20.5%
PPO, POS	13.3%	11.7%	9.6%	10.2%	7.8%
Medicaid	67.9%	64.6%	69.0%	69.8%	71.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	1,810	1,880	1,688	1,652	1,648
Indemnity Insurance	22.2%	27.9%	24.9%	24.4%	25.0%
PPO, POS	17.1%	13.0%	12.9%	13.4%	11.4%
Medicaid	60.7%	59.0%	62.2%	62.1%	63.5%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,150	1,149	1,085	1,120	1,138
Indemnity Insurance	24.7%	28.0%	31.3%	32.5%	30.4%
PPO, POS	19.2%	17.1%	15.3%	13.1%	11.4%
Medicaid	56.1%	54.8%	53.4%	54.4%	58.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	3,759	3,791	3,432	3,517	3,467
Indemnity Insurance	30.9%	34.6%	34.0%	30.7%	29.6%
PPO, POS	19.3%	16.4%	14.6%	14.6%	12.2%
Medicaid	49.9%	49.0%	51.4%	54.6%	58.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	3,996	4,273	4,090	4,182	4,438
Indemnity Insurance	32.8%	37.7%	37.1%	37.1%	35.2%
PPO, POS	30.3%	25.3%	23.8%	23.1%	19.2%
Medicaid	36.9%	37.0%	38.6%	38.8%	45.1%
HMO/Risk/Medicare	0.0%	0.0%	0.4%	1.0%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	613	771	865	1,034	1,154
Indemnity Insurance	10.4%	11.9%	12.1%	12.5%	12.7%
PPO, POS	17.5%	9.3%	8.2%	12.6%	11.4%
Medicaid	72.1%	78.7%	78.6%	71.4%	73.2%
HMO/Risk/Medicare	0.0%	0.0%	1.0%	3.6%	2.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	645	848	904	956	1,022
Indemnity Insurance	5.0%	4.4%	3.8%	3.7%	3.6%
PPO, POS	8.8%	5.1%	5.4%	4.8%	4.6%
Medicaid	86.2%	90.6%	88.9%	87.4%	88.8%
HMO/Risk/Medicare	0.0%	0.0%	1.9%	4.1%	2.9%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	14,337	15,273	14,437	14,891	15,344
Indemnity Insurance	25.2%	28.8%	27.9%	26.7%	25.6%
PPO, POS	20.4%	16.5%	15.1%	15.0%	12.6%
Medicaid	54.4%	54.7%	56.7%	57.5%	61.2%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.8%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 59. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Piscataquis County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	22.3%	28.6%	26.0%	21.7%	19.3%
Total with Dental Insurance	655	791	755	806	871
Total Receiving Dental Care	146	226	196	175	168
Indemnity Insurance	38.5%	31.4%	32.3%	35.4%	27.0%
PPO, POS	14.5%	16.7%	36.4%	40.9%	33.3%
Medicaid	22.1%	29.1%	24.3%	18.8%	17.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	61.1%	65.5%	71.4%	69.7%	69.2%
Total with Dental Insurance	1,709	1,770	1,618	1,624	1,606
Total Receiving Dental Care	1,044	1,159	1,156	1,132	1,111
Indemnity Insurance	73.5%	73.7%	75.9%	81.5%	78.8%
PPO, POS	51.3%	69.6%	98.7%	92.2%	111.2%
Medicaid	59.6%	61.7%	66.2%	63.0%	61.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	57.5%	64.6%	64.8%	61.0%	60.5%
Total with Dental Insurance	1,810	1,880	1,688	1,652	1,648
Total Receiving Dental Care	1,041	1,214	1,094	1,008	997
Indemnity Insurance	75.9%	73.9%	72.6%	74.4%	72.8%
PPO, POS	52.9%	69.4%	87.1%	86.4%	80.9%
Medicaid	52.1%	59.1%	57.1%	50.4%	52.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	34.3%	34.4%	33.5%	31.6%	32.3%
Total with Dental Insurance	1,150	1,149	1,085	1,120	1,138
Total Receiving Dental Care	394	395	363	354	368
Indemnity Insurance	47.9%	45.7%	41.8%	39.6%	42.2%
PPO, POS	38.9%	40.6%	50.6%	53.7%	62.3%
Medicaid	26.7%	26.7%	23.7%	21.5%	21.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	34.9%	38.7%	39.1%	36.8%	35.0%
Total with Dental Insurance	3,759	3,791	3,432	3,517	3,467
Total Receiving Dental Care	1,312	1,469	1,341	1,294	1,214
Indemnity Insurance	59.0%	62.1%	58.0%	59.4%	58.8%
PPO, POS	42.5%	45.7%	62.6%	64.1%	64.8%
Medicaid	17.0%	19.9%	19.9%	16.8%	16.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 59. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Piscataquis County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	42.9%	46.3%	46.8%	46.2%	42.9%
Total with Dental Insurance	3,996	4,273	4,090	4,182	4,438
Total Receiving Dental Care	1,716	1,980	1,916	1,933	1,906
Indemnity Insurance	72.1%	71.8%	70.2%	71.7%	71.7%
PPO, POS	51.5%	58.7%	70.1%	68.4%	74.4%
Medicaid	10.0%	12.1%	10.6%	9.7%	7.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	4.8%	0.0%
% Insured 65-74 Years Receiving Care	17.8%	18.0%	18.4%	17.8%	18.3%
Total with Dental Insurance	613	771	865	1,034	1,154
Total Receiving Dental Care	109	139	159	184	211
Indemnity Insurance	79.7%	82.6%	82.9%	81.4%	89.8%
PPO, POS	41.1%	63.9%	77.5%	46.2%	48.1%
Medicaid	3.2%	2.8%	2.5%	2.6%	1.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 75 years and older Receiving Care	8.8%	6.8%	7.5%	6.2%	5.4%
Total with Dental Insurance	645	848	904	956	1,022
Total Receiving Dental Care	57	58	68	59	55
Indemnity Insurance	71.9%	54.1%	70.6%	62.9%	67.6%
PPO, POS	38.6%	48.8%	51.0%	50.0%	40.4%
Medicaid	2.2%	2.2%	2.4%	1.7%	1.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
Total	40.6%	43.5%	43.6%	41.2%	39.3%
Total with Dental Insurance	14,337	15,273	14,437	14,891	15,344
Total Receiving Dental Care	5,819	6,640	6,293	6,139	6,030
Indemnity Insurance	66.3%	66.7%	64.5%	66.0%	66.3%
PPO, POS	47.0%	55.2%	69.8%	67.8%	71.1%
Medicaid	26.3%	27.7%	26.6%	23.4%	21.8%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	1.6%	0.0%

Source: MHDO, CHWS, 2012

Table 60. Sagadahoc: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	885	1,071	1,112	1,173	1,315
Indemnity Insurance	12.3%	16.9%	16.9%	14.5%	12.0%
PPO, POS	20.0%	16.8%	17.3%	17.2%	10.1%
Medicaid	67.7%	66.3%	65.7%	68.1%	77.9%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	2,370	2,508	2,526	2,484	2,478
Indemnity Insurance	23.8%	29.5%	28.6%	27.8%	27.6%
PPO, POS	28.9%	24.3%	25.1%	25.3%	19.7%
Medicaid	47.3%	46.2%	46.2%	46.8%	52.6%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	2,442	2,406	2,420	2,443	2,240
Indemnity Insurance	33.9%	37.9%	37.6%	35.4%	34.8%
PPO, POS	29.1%	26.1%	25.5%	26.6%	21.8%
Medicaid	37.0%	36.0%	36.8%	37.7%	43.2%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.3%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,806	1,882	1,755	1,771	1,754
Indemnity Insurance	33.9%	37.1%	39.0%	37.1%	36.3%
PPO, POS	31.9%	29.9%	27.0%	29.2%	22.5%
Medicaid	34.1%	33.0%	34.0%	33.5%	41.2%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	5,680	5,750	5,708	5,908	5,678
Indemnity Insurance	37.3%	40.5%	40.5%	36.9%	38.4%
PPO, POS	35.6%	32.1%	30.4%	30.7%	24.1%
Medicaid	27.1%	27.4%	29.0%	32.2%	37.4%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	5,308	5,583	5,907	6,308	6,019
Indemnity Insurance	44.9%	48.2%	46.7%	44.3%	46.6%
PPO, POS	38.5%	34.2%	35.3%	35.9%	28.2%
Medicaid	16.6%	17.6%	17.4%	18.3%	24.2%
HMO/Risk/Medicare	0.0%	0.0%	0.6%	1.6%	1.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	615	731	872	1,150	1,254
Indemnity Insurance	26.7%	25.4%	25.1%	20.7%	23.0%
PPO, POS	34.8%	27.6%	32.6%	29.0%	25.5%
Medicaid	38.5%	46.8%	39.8%	34.6%	38.0%
HMO/Risk/Medicare	0.0%	0.1%	2.5%	15.7%	13.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	534	728	795	906	921
Indemnity Insurance	11.6%	10.3%	10.8%	9.1%	8.6%
PPO, POS	27.2%	15.7%	19.5%	16.9%	17.2%
Medicaid	61.2%	74.0%	67.0%	63.4%	65.3%
HMO/Risk/Medicare	0.0%	0.0%	2.6%	10.7%	9.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	19,640	20,659	21,095	22,143	21,659
Indemnity Insurance	34.8%	37.8%	37.3%	34.7%	35.1%
PPO, POS	33.5%	29.3%	29.3%	29.6%	23.3%
Medicaid	31.7%	32.9%	32.9%	33.9%	40.1%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.8%	1.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 61. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Sagadahoc County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	21.0%	19.4%	19.6%	19.6%	19.0%
Total with Dental Insurance	885	1,071	1,112	1,173	1,315
Total Receiving Dental Care	186	208	218	230	250
Indemnity Insurance	29.4%	25.4%	22.3%	30.6%	24.1%
PPO, POS	19.8%	21.1%	19.3%	20.3%	33.1%
Medicaid	19.9%	17.5%	19.0%	17.1%	16.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	60.8%	64.3%	67.7%	70.2%	75.2%
Total with Dental Insurance	2,370	2,508	2,526	2,484	2,478
Total Receiving Dental Care	1,440	1,613	1,711	1,743	1,864
Indemnity Insurance	75.2%	70.3%	68.1%	80.7%	77.0%
PPO, POS	56.6%	73.6%	79.8%	75.0%	101.8%
Medicaid	56.1%	55.6%	61.0%	61.5%	64.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	56.1%	60.3%	64.1%	66.0%	67.8%
Total with Dental Insurance	2,442	2,406	2,420	2,443	2,240
Total Receiving Dental Care	1,369	1,450	1,551	1,612	1,519
Indemnity Insurance	74.1%	70.9%	71.3%	79.5%	75.3%
PPO, POS	48.6%	61.8%	67.7%	67.8%	87.3%
Medicaid	45.4%	48.0%	54.4%	52.6%	52.3%
HMO/Risk/Medicare	0.0%	0.0%	25.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	31.1%	32.1%	33.8%	37.2%	36.7%
Total with Dental Insurance	1,806	1,882	1,755	1,771	1,754
Total Receiving Dental Care	562	605	594	659	644
Indemnity Insurance	42.4%	38.1%	40.5%	47.8%	46.9%
PPO, POS	30.5%	35.2%	42.9%	42.5%	46.8%
Medicaid	20.5%	22.7%	19.1%	21.0%	22.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	39.1%	42.2%	43.7%	45.0%	44.3%
Total with Dental Insurance	5,680	5,750	5,708	5,908	5,678
Total Receiving Dental Care	2,223	2,425	2,492	2,657	2,514
Indemnity Insurance	59.0%	57.4%	56.8%	66.4%	59.4%
PPO, POS	39.6%	49.2%	55.7%	53.0%	69.3%
Medicaid	11.2%	11.5%	12.8%	13.0%	12.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 61. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Sagadahoc County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	53.6%	57.6%	58.6%	59.4%	56.8%
Total with Dental Insurance	5,308	5,583	5,907	6,308	6,019
Total Receiving Dental Care	2,845	3,214	3,461	3,749	3,420
Indemnity Insurance	70.6%	68.6%	69.2%	78.9%	71.4%
PPO, POS	53.5%	67.6%	70.0%	64.1%	76.7%
Medicaid	7.6%	8.0%	8.7%	8.0%	7.8%
HMO/Risk/Medicare	0.0%	0.0%	5.4%	3.1%	1.7%
% Insured 65-74 Years Receiving Care	43.6%	42.5%	47.5%	43.0%	40.9%
Total with Dental Insurance	615	731	872	1,150	1,254
Total Receiving Dental Care	268	311	414	494	513
Indemnity Insurance	90.2%	86.6%	88.1%	95.4%	80.3%
PPO, POS	53.3%	70.8%	74.6%	75.7%	82.5%
Medicaid	2.5%	2.0%	2.3%	2.0%	2.7%
HMO/Risk/Medicare	0.0%	0.0%	4.5%	3.3%	2.4%
% Insured 75 years and older Receiving Care	22.7%	19.4%	23.5%	22.8%	22.6%
Total with Dental Insurance	534	728	795	906	921
Total Receiving Dental Care	121	141	187	207	208
Indemnity Insurance	91.9%	84.0%	81.4%	95.1%	92.4%
PPO, POS	40.0%	65.8%	70.3%	77.1%	82.3%
Medicaid	1.8%	0.6%	1.5%	1.6%	0.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	2.1%	1.2%
Total	45.9%	48.2%	50.4%	51.3%	50.5%
Total with Dental Insurance	19,640	20,659	21,095	22,143	21,659
Total Receiving Dental Care	9,014	9,967	10,628	11,351	10,932
Indemnity Insurance	65.3%	62.5%	62.8%	72.5%	66.4%
PPO, POS	45.8%	57.7%	63.4%	60.3%	75.2%
Medicaid	24.7%	23.5%	25.4%	24.2%	23.9%
HMO/Risk/Medicare	0.0%	0.0%	4.2%	2.7%	1.9%

Source: MHDO, CHWS, 2012

Table 62. Somerset: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,568	1,908	1,914	2,082	2,377
Indemnity Insurance	10.6%	11.0%	13.0%	11.4%	9.8%
PPO, POS	10.0%	6.9%	6.6%	6.3%	3.8%
Medicaid	79.4%	82.2%	80.5%	82.2%	86.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	4,188	4,439	4,256	4,192	4,209
Indemnity Insurance	18.8%	23.8%	24.2%	22.6%	22.0%
PPO, POS	14.3%	13.2%	10.4%	10.6%	9.2%
Medicaid	66.9%	63.0%	65.4%	66.6%	68.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	4,217	4,377	4,128	4,090	4,029
Indemnity Insurance	22.1%	27.7%	28.8%	26.7%	25.5%
PPO, POS	16.5%	14.8%	13.0%	14.3%	11.7%
Medicaid	61.4%	57.4%	58.2%	58.9%	62.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	2,781	2,916	2,688	2,797	2,941
Indemnity Insurance	22.8%	28.9%	30.0%	29.4%	27.8%
PPO, POS	18.6%	15.8%	12.8%	14.1%	10.9%
Medicaid	58.6%	55.2%	57.2%	56.4%	61.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	9,151	9,710	9,175	9,529	9,466
Indemnity Insurance	29.2%	32.4%	34.5%	31.9%	30.4%
PPO, POS	20.4%	19.2%	15.9%	16.4%	13.2%
Medicaid	50.4%	48.4%	49.6%	51.7%	56.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	8,689	8,689	8,689	8,689	8,689
Indemnity Insurance	34.2%	40.0%	43.2%	42.3%	38.7%
PPO, POS	25.9%	21.3%	16.8%	17.4%	14.4%
Medicaid	39.9%	38.7%	39.8%	39.6%	46.6%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.7%	0.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	1,213	1,545	1,717	2,117	2,237
Indemnity Insurance	9.0%	9.1%	9.3%	9.4%	9.7%
PPO, POS	13.1%	9.8%	7.7%	10.4%	10.8%
Medicaid	77.9%	81.0%	82.6%	71.8%	75.8%
HMO/Risk/Medicare	0.0%	0.1%	0.3%	8.3%	3.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	1,322	1,686	1,769	1,963	2,011
Indemnity Insurance	3.0%	2.6%	2.3%	1.8%	2.0%
PPO, POS	5.4%	3.1%	2.9%	3.8%	4.3%
Medicaid	91.7%	94.3%	93.6%	88.4%	90.6%
HMO/Risk/Medicare	0.0%	0.0%	1.2%	5.9%	3.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	31,897	34,971	33,849	35,459	36,637
Indemnity Insurance	24.8%	28.6%	30.1%	28.3%	26.7%
PPO, POS	18.8%	16.3%	13.2%	13.9%	11.5%
Medicaid	56.5%	55.1%	56.6%	56.7%	61.4%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	1.1%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 63. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Somerset County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	28.4%	25.4%	23.6%	21.8%	22.2%
Total with Dental Insurance	1,568	1,908	1,914	2,082	2,377
Total Receiving Dental Care	446	485	452	453	527
Indemnity Insurance	23.5%	20.1%	19.0%	21.4%	29.9%
PPO, POS	18.7%	28.2%	24.6%	29.5%	30.8%
Medicaid	30.2%	25.9%	24.3%	21.2%	20.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	59.8%	59.9%	61.1%	61.9%	61.8%
Total with Dental Insurance	4,188	4,439	4,256	4,192	4,209
Total Receiving Dental Care	2,503	2,661	2,599	2,594	2,602
Indemnity Insurance	71.1%	60.2%	56.4%	71.5%	66.8%
PPO, POS	43.4%	69.0%	97.5%	71.3%	73.4%
Medicaid	57.1%	57.9%	57.0%	57.2%	58.7%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	49.5%	52.1%	55.3%	55.4%	55.0%
Total with Dental Insurance	4,217	4,377	4,128	4,090	4,029
Total Receiving Dental Care	2,086	2,280	2,283	2,264	2,214
Indemnity Insurance	64.8%	57.3%	53.4%	67.1%	66.5%
PPO, POS	35.5%	63.6%	83.6%	66.9%	70.8%
Medicaid	44.4%	46.6%	50.0%	47.3%	47.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	26.4%	27.7%	29.1%	30.7%	29.5%
Total with Dental Insurance	2,781	2,916	2,688	2,797	2,941
Total Receiving Dental Care	733	808	783	858	868
Indemnity Insurance	39.7%	36.3%	35.7%	43.3%	41.9%
PPO, POS	24.4%	39.0%	45.1%	38.5%	40.5%
Medicaid	20.0%	20.0%	22.1%	22.2%	22.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	32.5%	32.8%	34.2%	34.3%	32.7%
Total with Dental Insurance	9,151	9,710	9,175	9,529	9,466
Total Receiving Dental Care	2,970	3,189	3,138	3,273	3,094
Indemnity Insurance	53.7%	49.0%	46.9%	22.4%	54.5%
PPO, POS	29.3%	49.7%	63.1%	20.4%	52.6%
Medicaid	16.3%	15.4%	16.1%	32.4%	16.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 63. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Somerset County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	36.6%	41.2%	43.5%	44.5%	39.6%
Total with Dental Insurance	7,457	8,390	8,202	8,689	9,367
Total Receiving Dental Care	2,727	3,455	3,569	3,864	3,713
Indemnity Insurance	63.1%	61.9%	57.9%	66.9%	68.3%
PPO, POS	44.6%	60.8%	86.0%	70.3%	64.8%
Medicaid	8.6%	9.0%	10.2%	9.9%	8.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	4.7%	7.7%
% Insured 65-74 Years Receiving Care	14.4%	14.2%	15.0%	13.9%	14.2%
Total with Dental Insurance	1,213	1,545	1,717	2,117	2,237
Total Receiving Dental Care	175	219	258	295	318
Indemnity Insurance	77.1%	66.7%	71.1%	77.5%	85.6%
PPO, POS	38.4%	58.9%	82.0%	49.1%	40.9%
Medicaid	3.2%	2.9%	2.5%	2.1%	1.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	2.4%
% Insured 75 years and older Receiving Care	5.4%	3.9%	4.4%	4.2%	4.2%
Total with Dental Insurance	1,322	1,686	1,769	1,963	2,011
Total Receiving Dental Care	71	65	77	82	85
Indemnity Insurance	79.5%	67.4%	73.2%	75.0%	72.5%
PPO, POS	29.6%	43.4%	48.1%	41.3%	39.1%
Medicaid	1.6%	0.8%	1.3%	1.4%	1.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
Total	36.7%	37.6%	38.9%	38.6%	36.6%
Total with Dental Insurance	31,897	34,971	33,849	35,459	36,637
Total Receiving Dental Care	11,711	13,162	13,159	13,683	13,421
Indemnity Insurance	58.5%	54.2%	51.4%	60.4%	61.1%
PPO, POS	43.2%	55.6%	74.0%	59.6%	58.1%
Medicaid	25.0%	23.8%	24.1%	351.6%	22.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	2.2%

Source: MHDO, CHWS, 2012

Table 64. Waldo: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,233	1,384	1,432	1,452	1,719
Indemnity Insurance	7.8%	9.0%	10.4%	11.1%	9.4%
PPO, POS	26.8%	16.7%	16.6%	8.3%	5.7%
Medicaid	65.4%	74.3%	72.8%	80.4%	84.9%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.3%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	3,384	3,112	3,041	2,813	2,854
Indemnity Insurance	14.9%	19.2%	18.4%	19.9%	20.7%
PPO, POS	31.1%	20.8%	19.9%	13.3%	12.2%
Medicaid	54.1%	60.0%	61.6%	66.7%	67.1%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.2%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	3,185	2,954	2,845	2,707	2,788
Indemnity Insurance	21.0%	24.8%	23.5%	25.3%	24.7%
PPO, POS	28.4%	21.6%	21.2%	16.2%	14.8%
Medicaid	50.5%	53.6%	55.3%	58.5%	60.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	2,001	1,925	1,822	1,745	1,833
Indemnity Insurance	23.6%	26.6%	25.3%	28.6%	27.8%
PPO, POS	32.0%	25.2%	24.0%	17.2%	17.1%
Medicaid	44.4%	48.2%	50.6%	54.1%	55.2%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	7,662	6,722	6,555	6,330	6,324
Indemnity Insurance	24.4%	28.7%	30.2%	30.5%	29.3%
PPO, POS	40.6%	30.9%	29.0%	20.5%	18.6%
Medicaid	35.0%	40.4%	40.8%	48.8%	52.0%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.2%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	6,513	6,290	6,070	6,345	6,717
Indemnity Insurance	36.0%	40.9%	41.2%	42.1%	39.2%
PPO, POS	35.5%	27.6%	25.8%	23.3%	20.1%
Medicaid	28.5%	31.5%	32.7%	33.7%	40.3%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.9%	0.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	969	1,111	1,239	1,483	1,603
Indemnity Insurance	18.1%	17.6%	17.4%	15.4%	17.8%
PPO, POS	19.7%	14.6%	12.6%	17.5%	16.8%
Medicaid	62.2%	67.7%	69.0%	59.7%	60.7%
HMO/Risk/Medicare	0.0%	0.2%	1.0%	7.4%	4.7%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	862	1,081	1,156	1,353	1,437
Indemnity Insurance	5.0%	5.5%	5.7%	5.7%	5.8%
PPO, POS	12.3%	6.2%	6.3%	7.9%	8.0%
Medicaid	82.7%	88.3%	85.1%	78.6%	79.3%
HMO/Risk/Medicare	0.0%	0.1%	2.9%	7.8%	6.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	25,809	24,579	24,160	24,228	25,275
Indemnity Insurance	23.9%	27.4%	27.3%	28.1%	26.9%
PPO, POS	33.5%	24.6%	23.1%	18.1%	16.1%
Medicaid	42.6%	48.0%	49.3%	52.6%	56.1%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	1.2%	0.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 65. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Waldo County, Maine, 2006-2010

Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	20.9%	18.4%	20.3%	16.7%	17.2%
Total with Dental Insurance	1,233	1,384	1,432	1,452	1,719
Total Receiving Dental Care	258	254	291	243	296
Indemnity Insurance	26.0%	24.8%	23.5%	21.7%	22.4%
PPO, POS	13.3%	18.6%	24.8%	38.3%	52.0%
Medicaid	23.4%	17.5%	18.7%	13.9%	14.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	55.4%	63.8%	67.5%	68.5%	69.2%
Total with Dental Insurance	3,384	3,112	3,041	2,813	2,854
Total Receiving Dental Care	1,875	1,985	2,053	1,927	1,974
Indemnity Insurance	65.8%	56.4%	61.3%	68.5%	71.8%
PPO, POS	45.6%	81.9%	90.6%	127.3%	134.0%
Medicaid	58.2%	59.9%	61.9%	56.8%	56.6%
HMO/Risk/Medicare	0.0%	0.0%	100.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	53.7%	56.8%	62.2%	63.4%	61.3%
Total with Dental Insurance	3,185	2,954	2,845	2,707	2,788
Total Receiving Dental Care	1,709	1,678	1,770	1,716	1,709
Indemnity Insurance	68.5%	57.4%	60.5%	64.5%	64.8%
PPO, POS	43.4%	72.4%	83.7%	109.3%	103.9%
Medicaid	53.2%	50.3%	54.7%	50.2%	49.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	27.3%	32.4%	32.2%	33.8%	33.2%
Total with Dental Insurance	2,001	1,925	1,822	1,745	1,833
Total Receiving Dental Care	547	623	586	590	608
Indemnity Insurance	41.5%	42.8%	41.4%	41.9%	42.6%
PPO, POS	23.1%	36.7%	44.1%	62.3%	59.1%
Medicaid	22.8%	24.4%	21.9%	20.6%	20.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	33.8%	37.1%	40.6%	41.1%	40.2%
Total with Dental Insurance	7,662	6,722	6,555	6,330	6,324
Total Receiving Dental Care	2,587	2,497	2,659	2,603	2,540
Indemnity Insurance	58.0%	49.2%	48.8%	19.9%	56.6%
PPO, POS	34.8%	55.0%	67.1%	36.6%	88.9%
Medicaid	15.6%	14.9%	15.7%	34.5%	13.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	28.6%	0.0%

Source: MHD0, CHWS, 2012

Table 65. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Waldo County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	43.0%	48.3%	50.8%	52.5%	47.6%
Total with Dental Insurance	6,513	6,290	6,070	6,345	6,717
Total Receiving Dental Care	2,803	3,041	3,084	3,331	3,196
Indemnity Insurance	67.4%	62.9%	62.3%	69.5%	70.3%
PPO, POS	45.2%	71.2%	85.0%	87.1%	83.5%
Medicaid	9.6%	9.5%	9.5%	8.2%	8.0%
HMO/Risk/Medicare	0.0%	0.0%	33.3%	16.4%	13.3%
% Insured 65-74 Years Receiving Care	27.0%	26.5%	28.2%	26.0%	24.8%
Total with Dental Insurance	969	1,111	1,239	1,483	1,603
Total Receiving Dental Care	262	294	349	385	398
Indemnity Insurance	84.0%	76.4%	74.0%	85.1%	76.8%
PPO, POS	49.7%	76.5%	98.7%	64.6%	55.9%
Medicaid	3.3%	2.8%	3.7%	2.1%	2.5%
HMO/Risk/Medicare	0.0%	0.0%	30.8%	3.6%	5.3%
% Insured 75 years and older Receiving Care	9.9%	9.7%	10.1%	9.5%	10.4%
Total with Dental Insurance	862	1,081	1,156	1,353	1,437
Total Receiving Dental Care	85	105	117	129	149
Indemnity Insurance	86.0%	69.5%	78.8%	81.8%	76.2%
PPO, POS	26.4%	61.2%	68.5%	40.2%	55.7%
Medicaid	2.8%	2.4%	1.4%	1.5%	1.5%
HMO/Risk/Medicare	0.0%	0.0%	3.0%	6.6%	4.1%
Total	39.2%	42.6%	45.2%	45.1%	43.0%
Total with Dental Insurance	25,809	24,579	24,160	24,228	25,275
Total Receiving Dental Care	10,126	10,477	10,909	10,924	10,870
Indemnity Insurance	62.5%	56.0%	56.2%	62.5%	63.3%
PPO, POS	38.3%	62.2%	73.8%	87.6%	86.2%
Medicaid	26.8%	25.0%	25.8%	22.1%	21.4%
HMO/Risk/Medicare	0.0%	0.0%	20.0%	8.4%	5.9%

Source: MHDO, CHWS, 2012

Table 66. Washington: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	1,068	1,305	1,288	1,349	1,483
Indemnity Insurance	4.0%	5.1%	5.7%	6.1%	4.8%
PPO, POS	7.1%	5.7%	3.8%	4.4%	2.9%
Medicaid	88.9%	89.2%	90.5%	89.4%	92.2%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	2,473	2,535	2,444	2,482	2,501
Indemnity Insurance	11.6%	13.8%	14.2%	14.4%	13.5%
PPO, POS	10.4%	9.5%	6.3%	7.9%	6.0%
Medicaid	78.0%	76.6%	79.5%	77.6%	80.4%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.0%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	2,606	2,583	2,325	2,422	2,399
Indemnity Insurance	14.2%	16.9%	18.7%	17.8%	16.6%
PPO, POS	14.9%	13.1%	6.7%	8.9%	7.6%
Medicaid	70.9%	70.0%	74.6%	73.2%	75.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	1,746	1,785	1,560	1,584	1,624
Indemnity Insurance	15.9%	16.2%	17.3%	16.6%	16.6%
PPO, POS	15.7%	16.1%	10.4%	12.1%	8.8%
Medicaid	68.4%	67.7%	72.1%	71.2%	74.5%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	5,556	5,604	5,118	5,464	5,491
Indemnity Insurance	21.0%	21.8%	22.7%	21.0%	19.7%
PPO, POS	17.2%	16.7%	12.3%	14.8%	10.5%
Medicaid	61.8%	61.5%	64.9%	64.1%	69.8%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.1%	0.1%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	5,284	5,519	5,022	5,374	5,802
Indemnity Insurance	27.5%	28.8%	31.3%	30.1%	27.3%
PPO, POS	25.4%	23.6%	15.3%	17.1%	13.4%
Medicaid	47.1%	47.6%	52.9%	51.8%	58.8%
HMO/Risk/Medicare	0.0%	0.0%	0.5%	1.0%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	1,097	1,333	1,411	1,621	1,698
Indemnity Insurance	11.4%	11.0%	11.3%	11.4%	11.4%
PPO, POS	13.9%	11.1%	9.5%	14.3%	13.4%
Medicaid	74.7%	77.8%	76.4%	70.3%	73.3%
HMO/Risk/Medicare	0.0%	0.2%	2.8%	4.0%	1.9%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	1,215	1,481	1,584	1,662	1,664
Indemnity Insurance	2.2%	2.2%	2.5%	2.5%	3.1%
PPO, POS	7.8%	4.3%	4.2%	6.7%	6.3%
Medicaid	90.0%	93.5%	90.5%	85.3%	87.9%
HMO/Risk/Medicare	0.0%	0.0%	2.8%	5.6%	2.8%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	21,045	22,145	20,752	21,958	22,662
Indemnity Insurance	17.8%	18.7%	19.6%	18.8%	17.6%
PPO, POS	16.8%	15.3%	10.2%	12.4%	9.7%
Medicaid	65.3%	66.0%	69.6%	67.8%	72.2%
HMO/Risk/Medicare	0.0%	0.0%	0.6%	1.0%	0.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 67. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Washington County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	21.2%	19.2%	20.3%	20.3%	21.1%
Total with Dental Insurance	1,068	1,305	1,288	1,349	1,483
Total Receiving Dental Care	226	251	262	274	313
Indemnity Insurance	34.9%	29.9%	25.7%	34.1%	33.8%
PPO, POS	15.8%	25.7%	10.2%	11.9%	34.9%
Medicaid	21.0%	18.2%	20.4%	19.8%	20.0%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	62.6%	66.9%	73.4%	68.7%	66.9%
Total with Dental Insurance	2,473	2,535	2,444	2,482	2,501
Total Receiving Dental Care	1,548	1,695	1,793	1,705	1,672
Indemnity Insurance	69.3%	68.6%	70.6%	73.7%	72.5%
PPO, POS	50.4%	69.4%	69.5%	66.0%	57.6%
Medicaid	63.2%	66.2%	74.2%	68.1%	66.6%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 12-18 Years Receiving Care	51.8%	59.8%	65.2%	58.7%	56.4%
Total with Dental Insurance	2,606	2,583	2,325	2,422	2,399
Total Receiving Dental Care	1,351	1,545	1,515	1,422	1,353
Indemnity Insurance	66.5%	65.9%	67.1%	67.1%	63.9%
PPO, POS	40.9%	67.5%	62.2%	71.2%	60.1%
Medicaid	51.2%	56.9%	65.0%	55.2%	54.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 19-24 Years Receiving Care	23.9%	28.9%	31.4%	30.1%	28.6%
Total with Dental Insurance	1,746	1,785	1,560	1,584	1,624
Total Receiving Dental Care	418	516	490	476	464
Indemnity Insurance	35.6%	41.9%	40.4%	44.9%	40.7%
PPO, POS	21.2%	28.8%	35.8%	37.7%	42.0%
Medicaid	21.9%	25.8%	28.7%	25.4%	24.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 25-44 Years Receiving Care	25.4%	29.4%	29.1%	29.4%	26.1%
Total with Dental Insurance	5,556	5,604	5,118	5,464	5,491
Total Receiving Dental Care	1,414	1,648	1,489	1,606	1,435
Indemnity Insurance	53.8%	52.4%	52.7%	22.9%	54.3%
PPO, POS	34.0%	46.8%	44.8%	16.1%	46.0%
Medicaid	13.4%	16.5%	17.9%	37.4%	15.3%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%

Source: MHDO, CHWS, 2012

Table 67. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, Washington County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	30.0%	34.4%	32.7%	33.0%	28.4%
Total with Dental Insurance	5,284	5,519	5,022	5,374	5,802
Total Receiving Dental Care	1,584	1,898	1,640	1,773	1,648
Indemnity Insurance	60.8%	60.8%	59.4%	61.7%	61.5%
PPO, POS	37.3%	52.9%	58.2%	58.3%	53.5%
Medicaid	8.0%	9.3%	9.7%	8.6%	7.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	3.7%
% Insured 65-74 Years Receiving Care	16.9%	17.7%	17.5%	17.0%	16.0%
Total with Dental Insurance	1,097	1,333	1,411	1,621	1,698
Total Receiving Dental Care	185	236	247	276	271
Indemnity Insurance	73.6%	71.2%	75.6%	77.3%	77.2%
PPO, POS	47.4%	64.9%	73.1%	42.9%	39.0%
Medicaid	2.6%	3.5%	2.6%	2.7%	2.5%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	4.6%	6.1%
% Insured 75 years and older Receiving Care	5.5%	5.4%	6.2%	6.3%	6.3%
Total with Dental Insurance	1,215	1,481	1,584	1,662	1,664
Total Receiving Dental Care	67	80	98	105	104
Indemnity Insurance	77.8%	72.7%	82.5%	102.4%	66.7%
PPO, POS	30.5%	58.7%	61.2%	34.2%	37.5%
Medicaid	1.6%	1.4%	1.5%	1.5%	2.1%
HMO/Risk/Medicare	0.0%	0.0%	6.8%	4.3%	2.1%
Total	32.3%	35.5%	36.3%	34.8%	32.0%
Total with Dental Insurance	21,045	22,145	20,752	21,958	22,662
Total Receiving Dental Care	6,793	7,869	7,534	7,637	7,260
Indemnity Insurance	58.2%	58.1%	58.2%	61.8%	59.6%
PPO, POS	36.3%	51.8%	53.5%	51.0%	49.0%
Medicaid	24.2%	25.4%	27.9%	24.8%	23.2%
HMO/Risk/Medicare	0.0%	0.0%	2.6%	3.1%	3.5%

Source: MHDO, CHWS, 2012

Table 68. York: Percent of all People in County with Dental Insurance by the Type of Dental Benefit and By Age, 2006-2010

Age	2006	2007	2008	2009	2010
	# or % Insured	# or % Insured	# or % Insured	# or % Insured	# or % Insured
0-3 years	5,406	6,617	6,787	7,214	7,497
Indemnity Insurance	13.7%	20.6%	21.7%	18.4%	17.9%
PPO, POS	30.3%	21.1%	19.7%	20.2%	14.4%
Medicaid	56.1%	58.3%	58.5%	61.1%	67.6%
HMO/Risk/Medicare	0.0%	0.0%	0.1%	0.3%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
4-11 years	15,816	16,061	15,676	15,964	15,707
Indemnity Insurance	24.5%	30.5%	32.0%	29.6%	30.6%
PPO, POS	35.0%	30.1%	26.9%	27.4%	22.8%
Medicaid	40.5%	39.4%	40.9%	42.6%	46.4%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.4%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
12-18 years	16,178	16,184	15,692	15,942	15,259
Indemnity Insurance	27.5%	32.5%	34.1%	31.9%	34.2%
PPO, POS	38.4%	34.0%	30.6%	31.4%	25.4%
Medicaid	34.1%	33.5%	35.0%	36.2%	40.1%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.5%	0.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
19-24 years	11,083	11,135	10,808	11,217	11,351
Indemnity Insurance	32.4%	34.4%	36.1%	33.7%	35.0%
PPO, POS	39.2%	37.0%	34.5%	34.6%	28.1%
Medicaid	28.3%	28.6%	29.0%	31.1%	36.6%
HMO/Risk/Medicare	0.0%	0.0%	0.3%	0.7%	0.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
25-44 years	39,362	38,456	36,452	37,512	36,163
Indemnity Insurance	36.6%	39.6%	42.0%	38.0%	39.6%
PPO, POS	41.0%	37.1%	33.2%	33.3%	27.7%
Medicaid	22.4%	23.2%	24.6%	28.2%	32.5%
HMO/Risk/Medicare	0.0%	0.0%	0.2%	0.5%	0.3%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
45-64 years	36,529	36,289	36,739	39,584	39,950
Indemnity Insurance	38.9%	42.7%	45.2%	42.0%	43.7%
PPO, POS	47.3%	41.9%	37.9%	38.8%	32.7%
Medicaid	13.9%	15.4%	15.6%	16.5%	22.2%
HMO/Risk/Medicare	0.0%	0.0%	1.3%	2.7%	1.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
65-74 years	4,304	4,839	5,694	7,312	7,529
Indemnity Insurance	24.4%	25.2%	25.6%	22.3%	25.9%
PPO, POS	37.4%	26.5%	24.9%	26.8%	22.9%
Medicaid	38.2%	48.2%	44.7%	38.0%	42.0%
HMO/Risk/Medicare	0.0%	0.1%	4.8%	12.9%	9.2%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
75 years and older	3,590	4,721	5,466	6,585	6,561
Indemnity Insurance	8.2%	7.1%	6.7%	6.1%	7.1%
PPO, POS	22.1%	12.8%	13.8%	15.4%	13.8%
Medicaid	69.7%	80.0%	73.8%	65.0%	69.7%
HMO/Risk/Medicare	0.0%	0.1%	5.7%	13.5%	9.4%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>
Total Insured	132,268	134,302	133,314	141,330	140,017
Indemnity Insurance	32.2%	35.5%	37.1%	33.9%	35.4%
PPO, POS	40.5%	35.2%	31.7%	32.2%	26.7%
Medicaid	27.3%	29.3%	30.2%	31.6%	36.4%
HMO/Risk/Medicare	0.0%	0.0%	0.9%	2.3%	1.5%
<i>Total</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>	<i>100.0%</i>

Source: MHDO, CHWS, 2012

Table 69. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, York County, Maine, 2006-2010

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 0-3 Years Receiving Care	16.5%	19.1%	23.3%	22.5%	23.0%
Total with Dental Insurance	5,406	6,617	6,787	7,214	7,497
Total Receiving Dental Care	891	1263	1582	1626	1725
Indemnity Insurance	25.7%	24.7%	25.4%	30.8%	31.3%
PPO, POS	19.9%	25.5%	29.5%	23.0%	32.4%
Medicaid	12.4%	14.8%	20.5%	20.0%	18.9%
HMO/Risk/Medicare	0.0%	0.0%	0.0%	0.0%	0.0%
% Insured 4-11 Years Receiving Care	57.4%	65.1%	73.9%	70.6%	73.6%
Total with Dental Insurance	15,816	16,061	15,676	15,964	15,707
Total Receiving Dental Care	9,078	10,454	11,588	11,267	11,561
Indemnity Insurance	71.3%	70.7%	71.7%	81.9%	82.7%
PPO, POS	62.6%	76.3%	95.1%	78.9%	86.9%
Medicaid	44.4%	52.2%	62.0%	57.8%	61.3%
HMO/Risk/Medicare	0.0%	0.0%	13.3%	29.0%	22.9%
% Insured 12-18 Years Receiving Care	55.0%	61.4%	67.8%	64.2%	65.2%
Total with Dental Insurance	16,178	16,184	15,692	15,942	15,259
Total Receiving Dental Care	8,898	9,932	10,641	10,239	9,948
Indemnity Insurance	68.9%	66.6%	64.4%	76.4%	77.6%
PPO, POS	58.3%	72.1%	88.6%	73.3%	77.7%
Medicaid	40.1%	45.4%	53.3%	46.2%	46.9%
HMO/Risk/Medicare	0.0%	0.0%	10.8%	5.3%	27.3%
% Insured 19-24 Years Receiving Care	30.8%	33.2%	38.3%	36.6%	36.3%
Total with Dental Insurance	11,083	11,135	10,808	11,217	11,351
Total Receiving Dental Care	3416	3701	4139	4104	4119
Indemnity Insurance	41.9%	42.6%	44.5%	48.1%	50.0%
PPO, POS	32.5%	37.1%	47.8%	42.9%	46.4%
Medicaid	15.8%	17.0%	19.7%	17.8%	15.7%
HMO/Risk/Medicare	0.0%	0.0%	2.9%	0.0%	10.5%
% Insured 25-44 Years Receiving Care	40.8%	44.4%	48.0%	44.4%	43.5%
Total with Dental Insurance	39,362	38,456	36,452	37,512	36,163
Total Receiving Dental Care	16,061	17,063	17,480	16,648	15,741
Indemnity Insurance	53.3%	53.0%	52.8%	27.1%	60.5%
PPO, POS	46.3%	54.8%	67.3%	27.6%	58.5%
Medicaid	10.2%	13.0%	14.0%	37.1%	10.4%
HMO/Risk/Medicare	0.0%	0.0%	3.7%	9.1%	11.2%

Source: MHDO, CHWS, 2012

Table 69. Percent of Insured Patients Utilizing Dental Services by Year and by Age, by Type of Dental Insurance, York County, Maine, 2006-2010 (cont.)

Year	2006	2007	2008	2009	2010
Age	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service	% of Ins. Patients Receiving a Dental Service
% Insured 45-64 Years Receiving Care	52.0%	58.8%	63.5%	60.3%	57.6%
Total with Dental Insurance	36,529	36,289	36,739	39,584	39,950
Total Receiving Dental Care	18982	21350	23336	23863	23006
Indemnity Insurance	68.3%	67.8%	66.6%	74.8%	75.1%
PPO, POS	51.4%	67.9%	83.6%	69.9%	70.6%
Medicaid	8.3%	9.2%	10.5%	8.7%	6.8%
HMO/Risk/Medicare	0.0%	0.0%	6.9%	11.1%	11.6%
% Insured 65-74 Years Receiving Care	39.1%	40.5%	42.8%	38.7%	38.0%
Total with Dental Insurance	4,304	4,839	5,694	7,312	7,529
Total Receiving Dental Care	1,685	1,962	2,435	2,831	2,862
Indemnity Insurance	84.0%	82.5%	81.7%	89.7%	81.9%
PPO, POS	46.8%	70.0%	81.5%	63.7%	68.3%
Medicaid	3.0%	2.4%	2.8%	2.4%	1.7%
HMO/Risk/Medicare	0.0%	0.0%	5.5%	5.9%	4.5%
% Insured 75 years and older Receiving Care	15.6%	14.9%	14.4%	14.4%	13.9%
Total with Dental Insurance	3,590	4,721	5,466	6,585	6,561
Total Receiving Dental Care	560	703	786	946	911
Indemnity Insurance	80.9%	82.1%	81.5%	86.3%	77.5%
PPO, POS	34.3%	59.7%	54.2%	45.7%	50.7%
Medicaid	2.0%	1.8%	1.3%	1.5%	1.2%
HMO/Risk/Medicare	0.0%	0.0%	7.4%	8.2%	6.5%
Total	45.0%	49.5%	54.0%	50.6%	49.9%
Total with Dental Insurance	132,268	134,302	133,314	141,330	140,017
Total Receiving Dental Care	59571	66428	71987	71524	69873
Indemnity Insurance	61.1%	60.5%	60.2%	68.3%	69.0%
PPO, POS	48.9%	61.3%	75.2%	62.7%	65.9%
Medicaid	20.3%	22.0%	25.6%	22.4%	21.3%
HMO/Risk/Medicare	0.0%	6.3%	6.6%	9.5%	8.1%

Source: MHDO, CHWS, 2012

Appendix B.

Dental & Medical Claims Data 2006-2010 Data Cleaning and Data Management

The following describes the process employed to clean and merge the data that was supplied to CHWS by the MHDO to accomplish the preceding analyses.

1) Import (in SAS 9.2) and merge large data sets

File	Suite	Records (millions)	File size (GB)
DC2006.txt	Dental Claims	2.1	0.8
DC2007.txt	Dental Claims	2.4	1.0
DC2008.txt	Dental Claims	2.4	1.0
DC2009.txt	Dental Claims	2.4	1.6
DC2010.txt	Dental Claims	2.5	2.9
MC2006Q1.txt	Medical Claims	10.6	5.3
MC2006Q2.txt		10.3	5.1
MC2006Q3.txt		9.8	4.9
MC2006Q4.txt		9.6	4.8
MC2007Q1.txt	Medical Claims	7.9	4.1
MC2007Q2.txt		8.0	4.2
MC2007Q3.txt		7.8	4.1
MC2007Q4.txt		8.3	4.4
MC2008Q1.txt	Medical Claims	8.6	4.6
MC2008Q2.txt		8.6	4.6
MC2008Q3.txt		8.5	4.9
MC2008Q4.txt		9.0	6.2
MC2009Q1.txt	Medical Claims	9.2	8.7
MC2009Q2.txt		9.4	9.0
MC2009Q3.txt		9.1	8.9
MC2009Q4.txt		9.1	9.9
MC2010Q1.txt	Medical Claims	9.5	13.2
MC2010Q2.txt		9.2	12.7
MC2010Q3.txt		8.9	12.3
MC2010Q4.txt		9.2	12.8
DE2006.txt	Dental Eligibility	8.6	2.3
DE2007.txt	Dental Eligibility	9.4	2.5
DE2008.txt	Dental Eligibility	9.2	2.5
DE2009.txt	Dental Eligibility	9.4	6.3
DE2010.txt	Dental Eligibility	10.0	10.7
ME2006.txt	Medical Eligibility	15.6	4.3
ME2007.txt	Medical Eligibility	13.5	3.9
ME2008.txt	Medical Eligibility	13.7	3.9
ME2009.txt	Medical Eligibility	13.7	7.7
ME2010.txt	Medical Eligibility	14.4	15.7

Each of the above files was merged with the following:

File	Suite
DC_prv_all_restricted.txt	Dental Claims
DC_prv_master_all_restricted.txt	Dental Claims
DC_Taxonomy.txt	Dental Claims
DC_code_claim_status.txt	Dental Claims
DC_code_facility_type_professional.txt	Dental Claims
DC_code_individual_relationship.txt	Dental Claims
DC_code_insurance_type.txt	Dental Claims
DC_code_member_gender.txt	Dental Claims
DC_code_service_provider_type.txt	Dental Claims
MC_prv_all_restricted.txt	Medical Claims
MC_prv_master_all_restricted.txt	Medical Claims
MC_code_claim_status.txt	Medical Claims
MC_code_facility_type_professional.txt	Medical Claims
MC_code_individual_relationship.txt	Medical Claims
MC_code_insurance_type_product.txt	Medical Claims
MC_code_member_gender.txt	Medical Claims
MC_code_member_status.txt	Medical Claims
MC_code_service_provider_entity_type_qualifier.txt	Medical Claims
MC_code_type_of_bill_institutional.txt	Medical Claims
eligibility_coverage_all.txt	Eligibility Files
eligibility_gender_all.txt	Eligibility Files
eligibility_product_all.txt	Eligibility Files
eligibility_relationship_all.txt	Eligibility Files
PAYER.txt	Payer
PSPEC.txt	Specialty
HGCPT.txt	CPT
HGDX.txt	DX

2) Data cleaning, coding/recoding, grouping, etc. – examples:

<p>Code for the dental procedure performed (CDT codes): data entry errors</p> <ul style="list-style-type: none">- Cleaning/recoding: i.e., add “D”, “D0”, or “D00”- Merge with dictionary- Group CDT codes
<p>Provider Specialty: coding errors, inconsistencies w/ CDT codes or DX1/DX2 dental related codes</p> <ul style="list-style-type: none">- Cleaning/recoding: i.e., use multiple variables for data checking- Classify specialties
<p>Type of facility where the service was performed: coding errors</p> <ul style="list-style-type: none">- Cleaning/recoding: i.e., use multiple variables for data checking- Classify facilities
<p>Zip codes of members (patients) home address: missing data, data entry errors</p> <ul style="list-style-type: none">- Cleaning: i.e., use town/city information- Merge with MAINE zip codes files- Create a new variable for “Members County”
<p>Eligibility files: did not include all the members (patients) in the dental claim files</p> <ul style="list-style-type: none">- Merging issues
<p>Unique provider identifier (DPCID): same code for different locations?</p>