

Estimates & Projections of Dental Visits by Minnesota Residents, 2005 - 2015

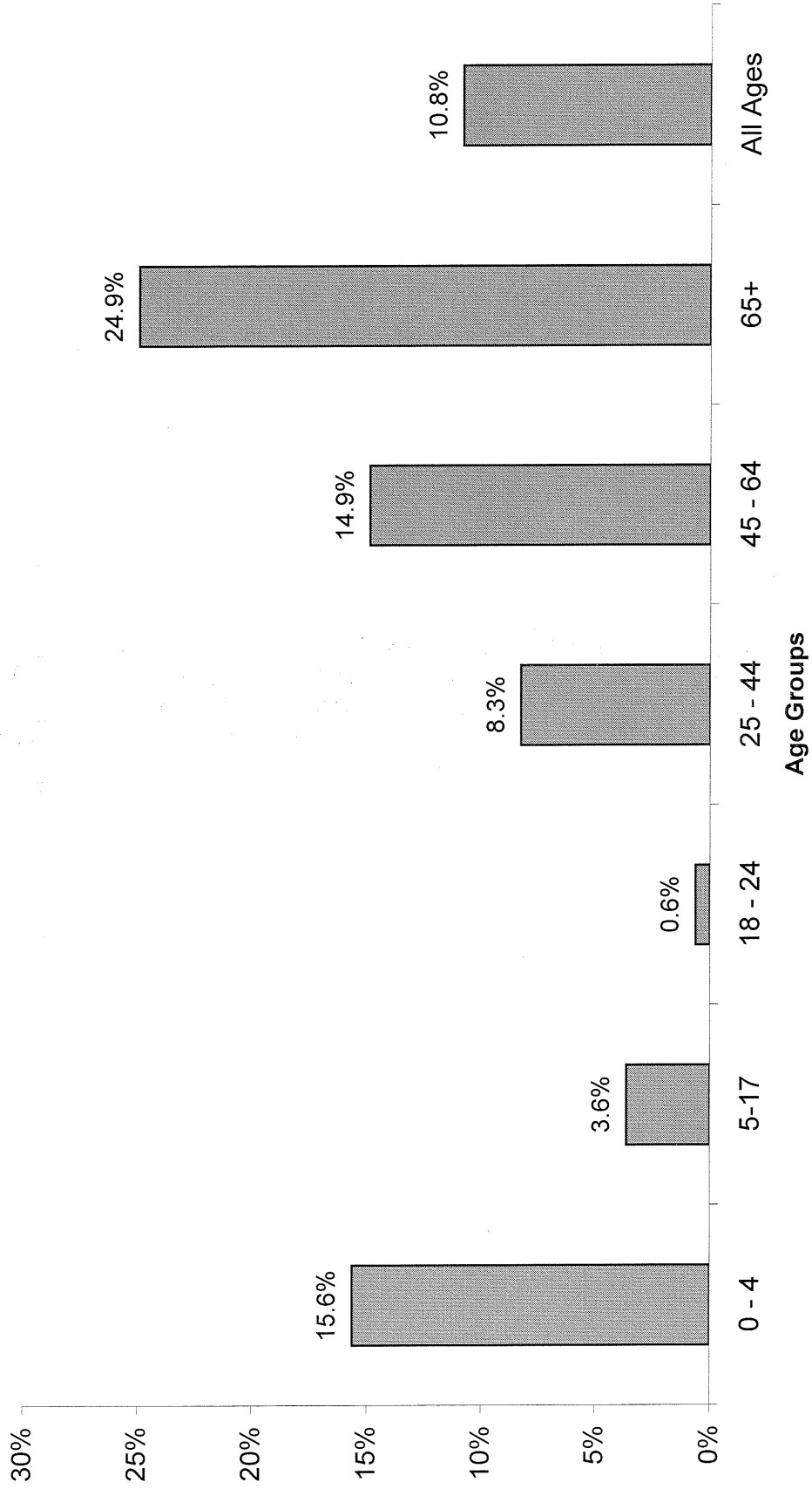
Age Group	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change, 2005 to 2015
Population												
0 - 4	343,478	347,264	353,901	356,800	363,046	369,571	376,084	382,313	388,005	393,007	397,200	15.6%
5-17	918,949	913,753	906,381	925,049	920,511	920,392	922,543	927,110	933,751	941,968	952,224	3.6%
18 - 24	509,326	512,830	507,397	538,268	538,156	535,461	532,262	529,091	524,578	519,508	512,544	0.6%
25 - 44	1,438,002	1,427,842	1,429,850	1,476,102	1,482,232	1,491,471	1,504,381	1,518,355	1,533,014	1,545,765	1,556,771	8.3%
45 - 64	1,284,175	1,326,033	1,363,876	1,379,602	1,407,514	1,433,312	1,451,840	1,457,345	1,461,874	1,468,500	1,475,082	14.9%
65+	619,894	626,864	636,216	647,766	659,577	670,429	683,272	705,968	728,607	750,522	774,390	24.9%
All Ages	5,113,824	5,154,586	5,197,621	5,321,587	5,371,036	5,420,636	5,470,382	5,520,182	5,569,829	5,619,270	5,668,211	10.8%
Total Dental Visits*												
0 - 4	95,706	96,761	98,610	99,418	101,158	102,976	104,791	106,527	108,113	109,506	110,675	15.6%
5-17	1,515,824	1,507,253	1,495,093	1,522,567	1,518,401	1,518,204	1,521,753	1,529,286	1,540,240	1,553,795	1,570,712	3.6%
18 - 24	472,922	476,176	471,131	499,795	499,691	497,189	494,219	491,274	487,084	482,376	475,910	0.6%
25 - 44	1,304,771	1,295,552	1,297,374	1,339,341	1,344,903	1,353,286	1,365,000	1,377,679	1,390,980	1,402,549	1,412,536	8.3%
45 - 64	1,732,154	1,788,614	1,839,659	1,860,871	1,898,520	1,933,317	1,958,309	1,965,734	1,971,843	1,980,780	1,989,658	14.9%
65+	817,963	827,160	839,500	854,740	870,325	884,645	901,591	931,539	961,412	990,329	1,021,823	24.9%
All Ages	5,939,340	5,991,516	6,041,366	6,176,752	6,232,998	6,289,617	6,345,662	6,402,039	6,459,671	6,519,336	6,581,314	10.8%
Annual Change in Total Dental Visits												
0 - 4	1,055	1,849	808	1,740	1,818	1,815	1,736	1,786	1,586	1,394	1,168	14,969
5-17	-8,571	-12,160	27,494	-4,186	-196	3,548	7,533	7,533	10,954	13,554	16,917	54,888
18 - 24	3,254	-5,045	28,665	-104	-2,502	-2,970	-2,944	-2,944	-4,190	-4,708	-6,466	2,988
25 - 44	-9,219	1,822	41,967	5,562	8,383	11,714	12,679	12,679	13,301	11,570	9,986	107,765
45 - 64	56,460	51,044	37,649	21,212	34,798	24,991	7,425	7,425	6,109	8,937	8,878	257,504
65+	9,197	12,340	15,240	15,585	14,319	16,947	16,947	29,948	29,873	28,917	31,494	203,861
All Ages	52,176	49,851	135,386	56,246	56,619	56,044	56,044	56,377	57,632	59,665	61,978	641,974
Annual Percentage Change in Total Dental Visits												
0 - 4	1.1%	1.9%	0.8%	1.8%	1.8%	1.8%	1.8%	1.7%	1.5%	1.3%	1.1%	15.6%
5-17	-0.6%	-0.8%	-1.1%	1.8%	-0.3%	0.0%	0.2%	0.5%	0.7%	0.9%	1.1%	3.6%
18 - 24	0.7%	-1.1%	-1.1%	0.0%	0.0%	-0.5%	-0.6%	-0.6%	-0.9%	-1.0%	-1.3%	0.6%
25 - 44	-0.7%	0.1%	3.2%	0.4%	0.6%	0.9%	0.9%	0.9%	1.0%	0.8%	0.7%	8.3%
45 - 64	3.3%	2.9%	2.0%	2.0%	1.8%	1.3%	1.3%	0.4%	0.3%	0.5%	0.4%	14.9%
65+	1.1%	1.5%	1.8%	1.8%	1.6%	1.9%	1.9%	3.3%	3.2%	3.0%	3.2%	24.9%
All Ages	0.9%	0.8%	2.2%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	1.0%	10.8%

* Includes dental visits to dental specialists, such as orthodontists, endodontists, periodontists, and others. Population figures for 2005 to 2007 are estimates, 2008 through 2015 are projections. Dental visits for 2005 are estimates based on age-specific use rates for the Midwest region; visits for 2007 through 2015 are projections based on 2005 use rates.

Sources: Agency for Health Care Research and Quality, Medical Expenditure Panel Survey, Household Component, 2005; US Census Bureau, Population Division, Annual Estimates of the Population by Sex and Selected Age Groups for the United States: April 1, 2001 to July 1, 2007 and Interim State Projections of Population by Single Year of Age: July 1, 2008 to 2030

Assumptions: The Midwest region's age-specific rate of dental visits per population is representative of Minnesota and will remain unchanged over time. The percent of the population without any dental visits will remain equally unchanged.

Growth in Dental Visits from 2005 to 2015



Sources: Agency for Health Care Research and Quality, Medical Expenditure Panel Survey, Household Component, 2005; US Census Bureau, Annual Estimates of the Population and Interim State Projection.

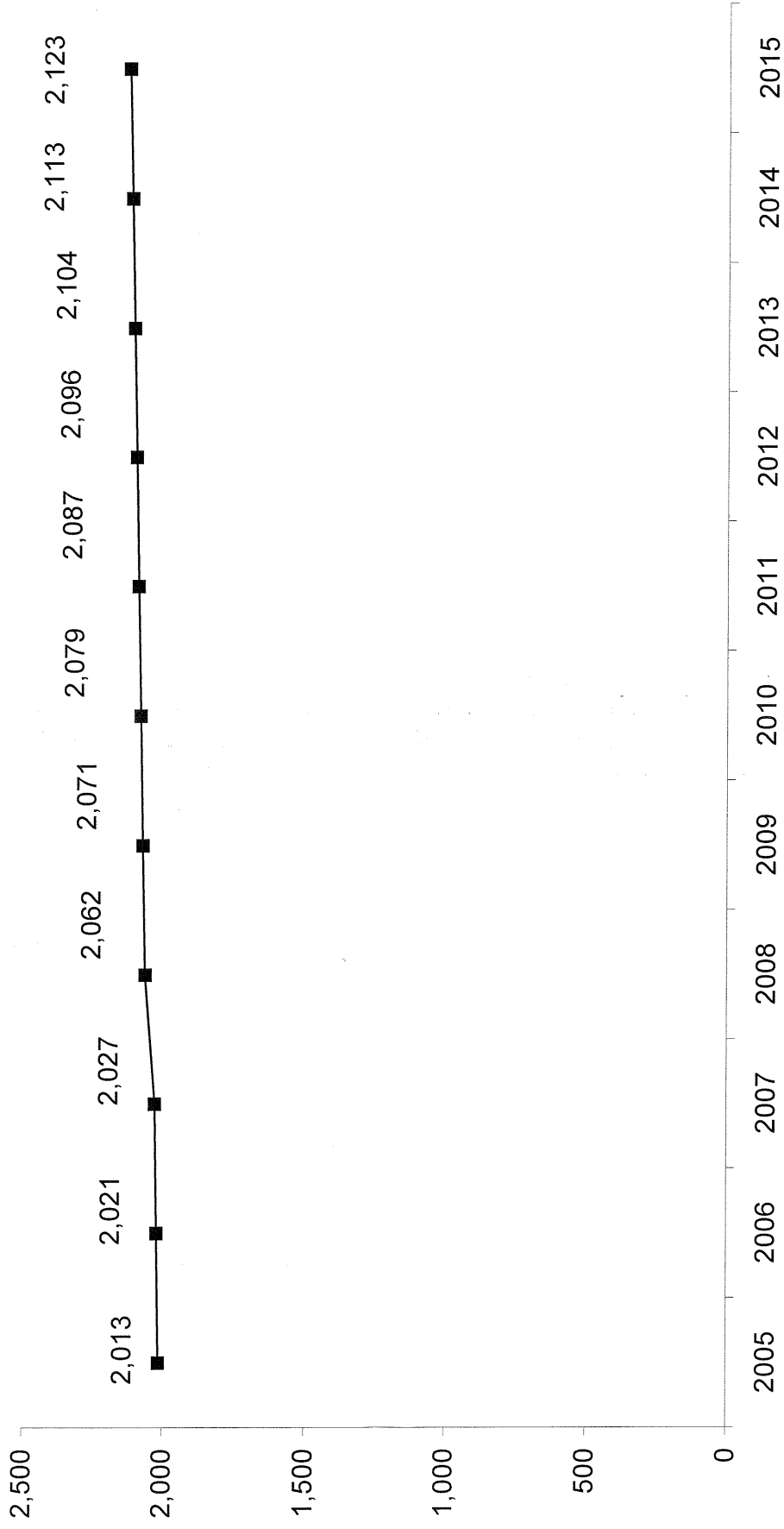
Estimates and Projections of Minnesota Dental Visits per Practicing Dentists, 2005 to 2015

Age Groups	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change, 2005 to 2015
Dental Visits												
0 - 4	95,706	96,761	98,610	99,418	101,158	102,976	104,791	106,527	108,113	109,506	110,675	15.6%
5-17	1,515,824	1,507,253	1,495,093	1,522,587	1,518,401	1,518,204	1,521,753	1,529,286	1,540,240	1,553,795	1,570,712	3.6%
18 - 24	472,922	476,176	471,131	499,795	499,691	497,189	494,219	491,274	487,084	482,376	475,910	0.6%
25 - 44	1,304,771	1,295,552	1,297,374	1,339,341	1,344,903	1,353,286	1,365,000	1,377,679	1,390,980	1,402,549	1,412,536	8.3%
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65+	817,963	827,160	839,500	854,740	870,325	884,645	901,591	931,539	961,412	990,329	1,021,823	24.9%
All Ages	5,939,340	5,991,516	6,041,366	6,176,752	6,232,998	6,289,617	6,345,662	6,402,039	6,459,671	6,519,336	6,581,314	10.8%
Practicing Dentists												
Numbers	2,950	2,965	2,980	2,995	3,010	3,025	3,040	3,055	3,070	3,085	3,100	5.1%
Visits Per Dentist												
Numbers	2,013	2,021	2,027	2,062	2,071	2,079	2,087	2,096	2,104	2,113	2,123	5.4%
Diff per Dentist	7	7	7	35	8	8	8	8	9	9	10	110

Sources: Agency for Health Care Research and Quality, Medical Expenditure Panel Survey, Household Component, 2005; US Census Bureau, Population Division, Annual Estimates of the Population by Sex and Selected Age Groups for the United States: April 1, 2001 to July 1, 2007 and Interim State Projections of Population by Single Year of Age: July 1, 2008 to 2030; MDH, Office of Rural Health and Primary Care, "Profile of Minnesota Dentists - 2005."

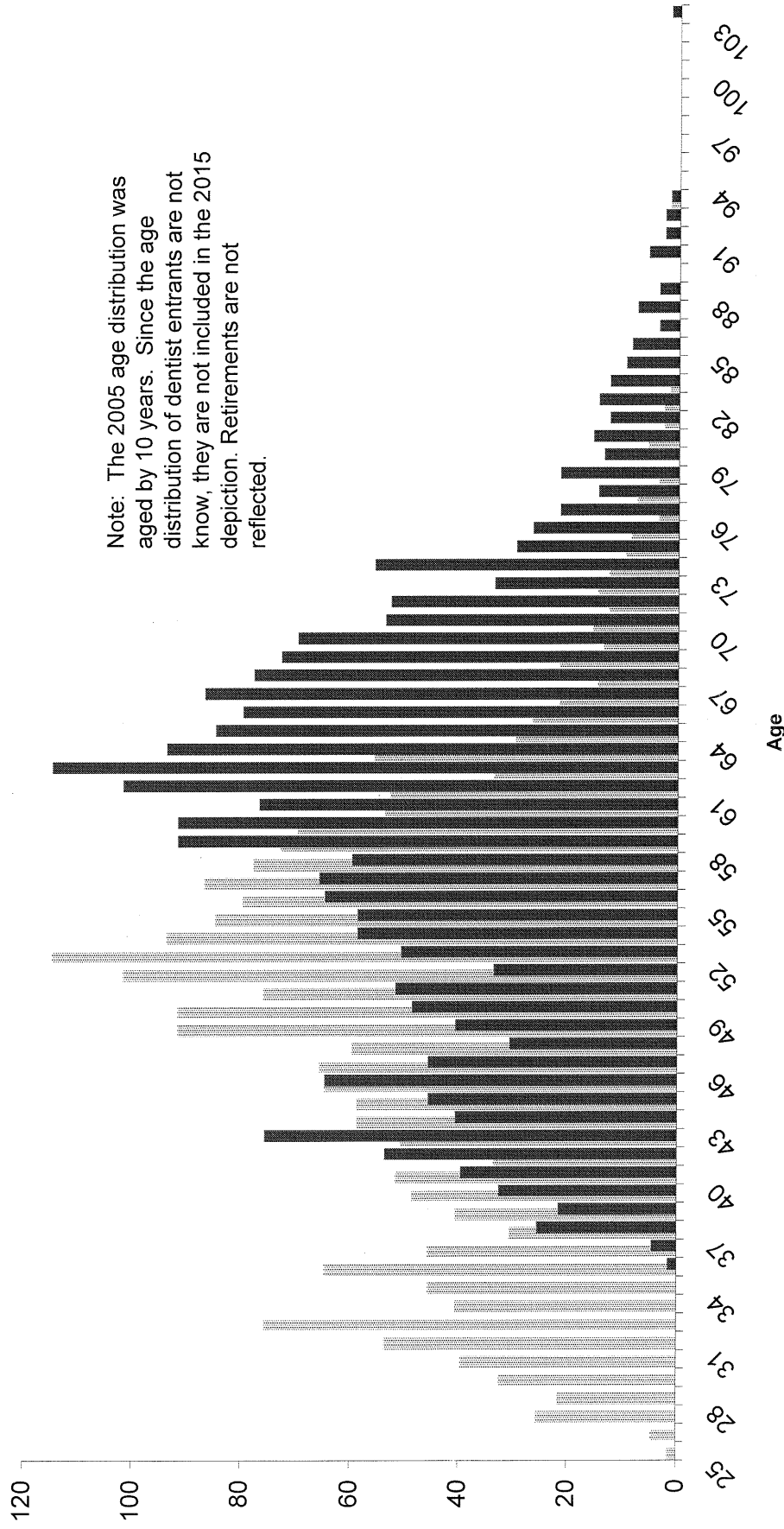
Assumptions: The Midwest age-specific rate of dental visits per population is representative of Minnesota and will remain unchanged over time. The percent of the population without any dental visits will remain unchanged. The net growth in the number of dentists (new licenses and terminations) is reflected by a five-year average (2003 to 2007).

Visits per Dentist



Sources: Agency for Health care Research and Quality, Medical Expenditure Panel Survey, Household Component, 2005; US Census Bureau, Annual Estimates of the Population and Interim State Projections; Office of Rural Health and Primary Care, "Profile of Minnesota Dentists - 2005" and dental licensing data.

Age Distribution of Dentists: 2005 and 2015



Legend: 2005 Dentists Count by Age (light gray), 2015 Dentists Count by Age (dark gray)

Source: Office of Rural Health Care Research and Quality, Licensing Survey Raw Data, 2005. Includes only active dentists who have a primary work site with a Minnesota address.