

Supplementary Table 1. Age-standardized prevalence^{a)} and 95% CI of TMD (ICD-10: K07.6) overall and by sex (per 100,000)

Variable	2012		2013		2014		2015		2016	
	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)
All	297,513	604.3 (602.1–606.5)	321,405	648.7 (646.4–651.0)	344,133	689.8 (687.5–692.2)	358,571	718.4 (716.1–720.8)	383,884	755.3 (752.9–757.7)
0–9 years old	2,165	47.1 (45.1–49.1)	2,201	48.3 (46.2–50.3)	2,096	46.2 (44.2–48.2)	2,242	49.3 (47.3–51.4)	2,229	48.5 (46.5–50.5)
10–19 years old	61,852	1,001.8 (993.9–1,009.7)	65,009	1,086.7 (1,078.3–1,095.1)	66,945	1,161.5 (1,152.7–1,170.3)	66,659	1,214.0 (1,204.7–1,223.2)	69,135	1,262.3 (1,252.9–1,271.7)
20–29 years old	80,364	1,201.4 (1,193.1–1,209.7)	85,246	1,279.1 (1,270.5–1,287.7)	90,186	1,340.2 (1,331.5–1,349.0)	94,742	1,397.0 (1,388.1–1,405.9)	105,599	1,542.7 (1,533.4–1,552.0)
30–39 years old	50,261	613.4 (608.1–618.8)	53,767	665.9 (660.3–671.6)	56,287	711.9 (706.0–717.7)	56,729	728.7 (722.7–734.7)	59,569	776.2 (769.9–782.4)
40–49 years old	38,023	440.1 (435.7–444.5)	42,041	480.4 (475.8–484.9)	46,058	523.6 (518.8–528.3)	48,446	554.8 (549.8–559.7)	50,991	586.4 (581.3–591.5)
50–59 years old	32,291	427.2 (422.5–431.8)	36,051	461.7 (456.9–466.5)	40,177	500.7 (495.8–505.6)	42,790	526.1 (521.1–531.0)	44,942	544.8 (539.8–549.8)
60–69 years old	18,379	443.8 (437.4–450.2)	20,403	475.1 (468.6–481.7)	23,407	516.4 (509.8–523.0)	26,162	536.1 (529.6–542.6)	28,980	558.9 (552.5–565.4)
70–79 years old	11,685	428.4 (420.7–436.2)	13,645	481.5 (473.5–489.6)	15,367	528.1 (519.8–536.5)	16,701	570.6 (561.9–579.2)	17,683	590.7 (582.0–599.4)
Over 80 years	2,493	263.9 (253.6–274.3)	3,042	297.5 (287.0–308.1)	3,610	323.2 (312.6–333.7)	4,100	337.2 (326.9–347.6)	4,756	359.8 (349.6–370.1)
Male	117,220	472.7 (469.9–475.5)	126,916	509.8 (506.9–512.7)	136,340	543.5 (540.5–546.4)	142,486	568.1 (565.2–571.1)	154,025	602.3 (599.3–605.3)
0–9 years old	1,169	49.3 (46.4–52.1)	1,129	48.0 (45.2–50.8)	1,080	46.2 (43.5–49.0)	1,211	51.8 (48.9–54.7)	1,144	48.5 (45.7–51.3)
10–19 years old	27,188	836.6 (826.6–846.5)	27,957	890.4 (879.9–900.8)	29,251	970.1 (959.0–981.2)	28,855	1,006.9 (995.3–1,018.5)	30,817	1,081.3 (1,069.2–1,093.4)
20–29 years old	31,743	906.6 (896.6–916.6)	34,200	975.8 (965.4–986.1)	36,727	1,033.1 (1,022.5–1,043.7)	38,490	1,071.5 (1,060.8–1,082.2)	43,811	1,207.6 (1,196.3–1,218.9)
30–39 years old	18,329	436.4 (430.1–442.8)	19,797	477.4 (470.7–484.0)	20,758	510.6 (503.6–517.5)	21,254	529.8 (522.7–536.9)	22,599	570.9 (563.5–578.4)
40–49 years old	14,339	324.6 (319.3–329.9)	15,893	356.0 (350.5–361.6)	17,190	383.2 (377.4–388.9)	17,916	402.3 (396.4–408.1)	18,755	424.0 (417.9–430.0)
50–59 years old	12,244	323.6 (317.9–329.3)	13,783	352.2 (346.3–358.1)	15,077	375.0 (369.0–381.0)	16,339	400.8 (394.6–406.9)	17,128	413.0 (406.8–419.2)
60–69 years old	7,311	364.6 (356.2–372.9)	8,219	394.5 (386.0–403.0)	9,525	431.5 (422.9–440.2)	10,697	450.7 (442.1–459.2)	11,643	461.6 (453.2–470.0)
70–79 years old	4,157	355.1 (344.3–365.9)	4,983	407.5 (396.2–418.8)	5,570	441.2 (429.6–452.8)	6,406	500.6 (488.3–512.9)	6,588	499.3 (487.2–511.3)
Over 80 years	740	257.5 (239.0–276.1)	955	303.0 (283.8–322.3)	1,162	331.8 (312.7–350.9)	1,318	339.5 (321.1–357.8)	1,540	358.7 (340.8–376.6)
Female	180,293	735.6 (732.1–739.1)	194,489	787.8 (784.2–791.3)	207,793	836.8 (833.1–840.4)	216,085	869.7 (866.0–873.4)	229,859	909.1 (905.3–912.8)
0–9 years old	996	44.8 (42.0–47.6)	1,072	48.5 (45.6–51.4)	1,016	46.1 (43.3–49.0)	1,031	46.7 (43.9–49.6)	1,085	48.5 (45.6–51.4)
10–19 years old	34,664	1,185.5 (1,173.1–1,198.0)	37,052	1,303.6 (1,290.3–1,316.8)	37,694	1,371.5 (1,357.6–1,385.3)	37,804	1,440.0 (1,425.5–1,454.5)	38,318	1,458.6 (1,444.0–1,473.2)
20–29 years old	48,621	1,525.3 (1,511.8–1,538.9)	51,046	1,615.5 (1,601.5–1,629.5)	53,459	1,684.2 (1,669.9–1,698.5)	56,252	1,763.7 (1,749.1–1,778.3)	61,788	1,920.5 (1,905.3–1,935.6)
30–39 years old	31,932	799.5 (790.7–808.2)	33,970	865.0 (855.8–874.2)	35,529	924.9 (915.3–934.5)	35,475	940.1 (930.3–949.9)	36,970	994.7 (984.6–1,004.9)
40–49 years old	23,684	560.9 (553.8–568.1)	26,148	609.8 (602.4–617.1)	28,868	669.7 (662.0–677.4)	30,530	713.5 (705.5–721.5)	32,236	754.5 (746.2–762.7)
50–59 years old	20,047	531.0 (523.6–538.3)	22,268	571.7 (564.2–579.2)	25,100	627.0 (619.2–634.7)	26,451	651.9 (644.1–659.8)	27,814	678.1 (670.1–686.0)
60–69 years old	11,068	518.1 (508.5–527.8)	12,184	551.1 (541.3–560.9)	13,882	596.9 (587.0–606.8)	15,465	617.1 (607.3–626.8)	17,337	651.1 (641.4–660.8)
70–79 years old	7,528	483.6 (472.7–494.5)	8,662	537.7 (526.3–549.0)	9,797	594.7 (582.9–606.5)	10,295	624.9 (612.8–637.0)	11,095	662.8 (650.4–675.1)
Over 80 years	1,753	266.7 (254.2–279.2)	2,087	295.0 (282.4–307.7)	2,448	319.2 (306.5–331.8)	2,782	336.2 (323.7–348.7)	3,216	360.3 (347.9–372.8)

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Supplementary Table 1. Continued

2017		2018		2019		2020	
No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)
394,733	782.4 (779.9–784.8)	402,070	795.0 (792.5–797.4)	421,732	826.0 (823.5–828.5)	441,866	868.9 (866.3–871.4)
2,282	51.9 (49.7–54.0)	1,983	46.4 (44.3–48.4)	1,862	44.9 (42.8–46.9)	1,737	43.9 (41.8–45.9)
64,628	1,260.6 (1,250.9–1,270.3)	62,911	1,265.1 (1,255.3–1,275.0)	62,099	1,287.4 (1,277.3–1,297.5)	63,279	1,354.9 (1,344.4–1,365.5)
108,854	1,579.3 (1,569.9–1,588.7)	111,613	1,616.3 (1,606.8–1,625.8)	115,372	1,663.2 (1,653.6–1,672.8)	124,812	1,809.1 (1,799.0–1,819.1)
62,369	827.8 (821.3–834.3)	63,136	847.0 (840.4–853.6)	66,188	902.7 (895.9–909.6)	69,835	978.7 (971.4–985.9)
53,092	615.3 (610.1–620.5)	53,377	632.3 (627.0–637.7)	56,608	673.3 (667.8–678.8)	58,205	698.7 (693.0–704.4)
47,269	567.6 (562.5–572.8)	48,765	575.5 (570.4–580.6)	52,590	612.2 (607.0–617.4)	54,286	633.1 (627.8–638.4)
31,920	583.4 (577.0–589.8)	34,088	591.5 (585.2–597.8)	38,220	622.8 (616.6–629.1)	40,917	624.0 (618.0–630.1)
19,099	609.4 (600.8–618.1)	20,312	624.8 (616.2–633.4)	22,169	662.0 (653.3–670.7)	22,145	642.8 (634.4–651.3)
5,220	365.2 (355.3–375.1)	5,885	383.1 (373.3–392.9)	6,624	397.3 (387.7–406.9)	6,650	375.0 (366.0–384.0)
159,860	630.7 (627.6–633.8)	163,080	642.4 (639.3–645.5)	170,271	663.7 (660.6–666.9)	178,121	698.4 (695.1–701.6)
1,190	52.7 (49.7–55.7)	1,041	47.4 (44.5–50.3)	986	46.3 (43.4–49.2)	837	41.2 (38.4–44.0)
29,655	1,111.7 (1,099.0–1,124.3)	29,037	1,124.7 (1,111.8–1,137.7)	28,382	1,135.3 (1,122.1–1,148.5)	28,070	1,161.6 (1,148.1–1,175.2)
46,109	1,262.5 (1,251.0–1,274.1)	47,764	1,305.3 (1,293.6–1,317.0)	49,504	1,345.7 (1,333.8–1,357.6)	52,150	1,430.6 (1,418.3–1,442.9)
23,796	611.6 (603.9–619.4)	24,283	630.6 (622.7–638.6)	25,350	665.7 (657.5–673.9)	27,667	744.8 (736.0–753.5)
19,319	439.8 (433.6–446.0)	19,206	445.9 (439.6–452.2)	20,275	471.8 (465.3–478.3)	21,374	502.0 (495.3–508.8)
17,812	426.6 (420.3–432.9)	18,119	426.9 (420.7–433.2)	19,515	452.9 (446.6–459.3)	20,471	474.7 (468.2–481.3)
12,824	480.8 (472.5–489.1)	13,706	487.6 (479.4–495.7)	15,167	507.0 (498.9–515.1)	16,310	510.8 (503.0–518.6)
7,438	534.1 (522.0–546.2)	7,945	545.4 (533.4–557.4)	8,778	581.0 (568.8–593.2)	8,904	569.4 (557.6–581.2)
1,717	363.9 (346.7–381.1)	1,979	383.9 (367.0–400.8)	2,314	407.3 (390.7–423.9)	2,338	382.2 (366.7–397.7)
234,873	934.5 (930.7–938.3)	238,990	948.0 (944.2–951.8)	251,461	989.5 (985.7–993.4)	263,745	1,040.3 (1,036.3–1,044.2)
1,092	51.0 (48.0–54.1)	942	45.3 (42.4–48.2)	876	43.4 (40.5–46.2)	900	46.7 (43.6–49.7)
34,973	1,422.1 (1,407.2–1,437.0)	33,874	1,416.7 (1,401.6–1,431.8)	33,717	1,451.0 (1,435.5–1,466.5)	35,209	1,562.0 (1,545.7–1,578.4)
62,745	1,936.2 (1,921.1–1,951.4)	63,849	1,966.8 (1,951.6–1,982.1)	65,868	2,021.6 (2,006.2–2,037.1)	72,662	2,233.1 (2,216.8–2,249.3)
38,573	1,058.6 (1,048.1–1,069.2)	38,853	1,078.1 (1,067.4–1,088.8)	40,838	1,158.9 (1,147.6–1,170.1)	42,168	1,232.7 (1,220.9–1,244.4)
33,773	797.3 (788.8–805.8)	34,171	826.5 (817.8–835.3)	36,333	883.9 (874.8–892.9)	36,831	904.3 (895.1–913.5)
29,457	709.5 (701.4–717.6)	30,646	724.5 (716.4–732.6)	33,075	772.5 (764.2–780.8)	33,815	793.3 (784.8–801.7)
19,096	681.0 (671.4–690.7)	20,382	690.4 (680.9–699.9)	23,053	733.0 (723.5–742.5)	24,607	731.5 (722.3–740.6)
11,661	669.6 (657.5–681.8)	12,367	689.1 (677.0–701.3)	13,391	728.6 (716.3–741.0)	13,241	703.8 (691.8–715.8)
3,503	365.8 (353.7–378.0)	3,906	382.6 (370.6–394.6)	4,310	392.1 (380.4–403.8)	4,312	371.2 (360.1–382.3)

CI, confidence interval; TMD, temporomandibular disorder; ICD-10, International Classification of Diseases 10th Revision.

^{a)}Age-standardized prevalence rates of TMD were calculated using age groups according to the direct method using the estimated Korean population in 2020 as a reference.