

Supplementary Table 2. Age-standardized prevalence^{a)} and 95% CI of internal derangement of temporomandibular joint (ICD-10: K07.60) 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	84,110	168.6 (167.4–169.7)	93,055	185.5 (184.3–186.7)	104,590	207.3 (206.0–208.6)	112,077	222.3 (221.0–223.6)	124,455	242.7 (241.3–244.1)
0–9 years old	234	5.09 (4.44, 5.75)	286	6.27 (5.54–7.00)	321	7.07 (6.30–7.85)	322	7.07 (6.30–7.85)	340	7.38 (6.59–8.16)
10–19 years old	18,872	305.7 (301.3–310.0)	20,531	343.2 (338.5–347.9)	22,078	383.0 (378.0–388.1)	22,838	415.9 (410.5–421.3)	24,238	442.5 (437.0–448.1)
20–29 years old	25,705	384.3 (379.6–389.0)	27,837	417.7 (412.8–422.6)	30,934	459.7 (454.6–464.8)	33,387	492.3 (487.0–497.6)	38,887	568.1 (562.4–573.7)
30–39 years old	14,092	172.0 (169.1–174.8)	15,679	194.2 (191.2–197.2)	17,540	221.8 (218.5–225.1)	18,151	233.1 (229.8–236.5)	19,815	258.2 (254.6–261.8)
40–49 years old	9,509	110.1 (107.9–112.3)	10,801	123.4 (121.1–125.7)	12,506	142.2 (139.7–144.7)	13,820	158.2 (155.6–160.9)	15,208	174.9 (172.1–177.7)
50–59 years old	8,249	109.1 (106.8–111.5)	9,231	118.2 (115.8–120.6)	10,771	134.2 (131.7–136.8)	11,827	145.4 (142.8–148.0)	12,839	155.6 (152.9–158.3)
60–69 years old	4,388	105.9 (102.8–109.1)	5,028	117.1 (113.8–120.3)	5,996	132.3 (128.9–135.6)	6,885	141.1 (137.8–144.4)	7,820	150.8 (147.5–154.2)
70–79 years old	2,590	94.9 (91.3–98.6)	3,040	107.3 (103.4–111.1)	3,693	126.9 (122.8–131.0)	3,983	136.1 (131.8–140.3)	4,332	144.7 (140.4–149.0)
Over 80 years	471	49.8 (45.3–54.3)	622	60.8 (56.0–65.6)	751	67.2 (62.4–72.0)	864	71.0 (66.3–75.8)	976	73.8 (69.2–78.5)
Male	30,779	122.8 (121.4–124.2)	34,158	135.8 (134.3–137.3)	38,510	151.9 (150.4–153.5)	41,743	164.6 (163.0–166.2)	46,915	181.9 (180.3–183.6)
0–9 years old	135	5.67 (4.71–6.63)	140	5.92 (4.93–6.91)	162	6.90 (5.83–7.97)	175	7.48 (6.37–8.59)	168	7.09 (6.02–8.17)
10–19 years old	7,541	232.0 (226.8–237.3)	8,018	255.3 (249.7–260.9)	8,775	291.0 (284.9–297.1)	9,220	321.7 (315.2–328.3)	10,032	352.0 (345.1–358.8)
20–29 years old	9,440	269.6 (264.2–275.0)	10,541	300.7 (295.0–306.5)	11,893	334.5 (328.5–340.5)	12,805	356.4 (350.3–362.6)	15,243	420.1 (413.5–426.8)
30–39 years old	4,809	114.5 (111.3–117.7)	5,333	128.6 (125.1–132.0)	5,957	146.5 (142.8–150.2)	6,366	158.7 (154.8–162.6)	7,117	179.8 (175.6–184.0)
40–49 years old	3,329	75.4 (72.8–77.9)	3,749	84.0 (81.3–86.7)	4,335	96.6 (93.7–99.5)	4,806	107.9 (104.9–111.0)	5,161	116.7 (113.5–119.8)
50–59 years old	2,843	75.1 (72.4–77.9)	3,211	82.0 (79.2–84.9)	3,653	90.9 (87.9–93.8)	4,072	99.9 (96.8–102.9)	4,408	106.3 (103.1–109.4)
60–69 years old	1,669	83.2 (79.2–87.2)	1,881	90.3 (86.2–94.3)	2,212	100.2 (96.0–104.4)	2,598	109.4 (105.2, 113.6)	2,949	116.9 (112.7–121.1)
70–79 years old	871	74.4 (69.4–79.3)	1,088	89.0 (83.7–94.3)	1,272	100.7 (95.2–106.3)	1,452	113.4 (107.6–119.3)	1,521	115.2 (109.4–121.0)
Over 80 years	142	49.4 (41.3–57.5)	197	62.4 (53.7–71.1)	251	71.6 (62.7–80.5)	249	64.1 (56.1–72.1)	316	73.5 (65.4–81.6)
Female	53,331	214.3 (212.5–216.2)	58,897	235.3 (233.4–237.3)	66,080	263.0 (261.0–265.0)	70,334	280.4 (278.3–282.5)	77,540	303.8 (301.7–306.0)
0–9 years old	99	4.43 (3.55–5.31)	146	6.59 (5.52–7.66)	159	7.21 (6.09–8.33)	147	6.64 (5.57–7.72)	172	7.67 (6.52–8.82)
10–19 years old	11,331	387.5 (380.4–394.7)	12,513	440.2 (432.5–447.9)	13,303	484.0 (475.8–492.2)	13,618	518.7 (510.0–527.4)	14,206	540.7 (531.8–549.6)
20–29 years old	16,265	510.3 (502.4–518.1)	17,296	547.4 (539.2–555.5)	19,041	599.9 (591.3–608.4)	20,582	645.3 (636.5–654.1)	23,644	734.9 (725.5–744.2)
30–39 years old	9,283	232.4 (227.7–237.1)	10,346	263.4 (258.4–268.5)	11,583	301.5 (296.0–307.0)	11,785	312.3 (306.6–317.9)	12,698	341.7 (335.7–347.6)
40–49 years old	6,180	146.4 (142.7–150.0)	7,052	164.4 (160.6–168.3)	8,171	189.5 (185.4–193.7)	9,014	210.6 (206.3–215.0)	10,047	235.1 (230.5–239.7)
50–59 years old	5,406	143.2 (139.4–147.0)	6,020	154.5 (150.6–158.5)	7,118	177.8 (173.7–181.9)	7,755	191.1 (186.9–195.4)	8,431	205.5 (201.1–209.9)
60–69 years old	2,719	127.3 (122.5–132.1)	3,147	142.3 (137.4–147.3)	3,784	162.7 (157.5–167.9)	4,287	171.0 (165.9–176.2)	4,871	182.9 (177.8–188.1)
70–79 years old	1,719	110.4 (105.2–115.6)	1,952	121.1 (115.8–126.5)	2,421	146.9 (141.1–152.8)	2,531	153.6 (147.6–159.6)	2,811	167.9 (161.7–174.1)
Over 80 years	329	50.0 (44.6–55.4)	425	60.1 (54.4–65.8)	500	65.1 (59.4–70.9)	615	74.3 (68.4–80.2)	660	73.9 (68.3–79.6)

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Supplementary Table 2. Continued

2017		2018		2019		2020	
No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)
131,535	259.1 (257.7–260.5)	140,193	275.9 (274.5–277.4)	153,278	299.5 (298.0–301.0)	170,527	335.2 (333.6–336.7)
394	8.96 (8.07–9.84)	410	9.58 (8.65–10.5)	328	7.90 (7.05–8.76)	345	8.70 (7.79–9.62)
23,081	450.2 (444.4–456.0)	23,611	474.8 (468.8–480.9)	23,971	496.9 (490.7–503.2)	25,587	547.8 (541.1–554.6)
41,190	597.6 (591.8–603.4)	43,886	635.5 (629.6–641.5)	47,376	683.0 (676.8–689.1)	53,545	776.1 (769.5–782.7)
21,381	283.8 (280.0–287.6)	22,810	306.0 (302.0–310.0)	25,159	343.1 (338.9–347.4)	28,402	398.0 (393.4–402.6)
16,516	191.4 (188.5–194.3)	17,328	205.3 (202.2–208.3)	19,417	230.9 (227.7–234.2)	21,435	257.3 (253.9–260.8)
14,078	169.0 (166.3–171.8)	15,344	181.1 (178.2–183.9)	17,229	200.6 (197.6–203.6)	19,240	224.4 (221.2–227.5)
8,935	163.3 (159.9–166.7)	10,026	174.0 (170.6–177.4)	11,920	194.2 (190.8–197.7)	13,705	209.0 (205.5–212.5)
4,842	154.5 (150.1–158.8)	5,454	167.8 (163.3–172.2)	6,256	186.8 (182.2–191.4)	6,551	190.2 (185.6–194.8)
1,118	78.2 (73.6–82.8)	1,324	86.2 (81.5–90.8)	1,622	97.3 (92.5–102.0)	1,717	96.8 (92.2–101.4)
50,560	198.3 (196.6–200.1)	54,330	213.1 (211.3–214.9)	59,480	231.4 (229.5–233.2)	65,981	258.7 (256.7–260.7)
202	8.90 (7.67–10.10)	210	9.54 (8.24–10.80)	165	7.73 (6.55–8.91)	155	7.63 (6.43–8.83)
9,928	372.2 (364.8–379.5)	10,320	399.7 (392.0–407.5)	10,339	413.6 (405.6–421.6)	10,805	447.2 (438.7–455.6)
16,599	454.5 (447.6–461.4)	17,975	491.2 (484.0–498.4)	19,608	533.0 (525.6–540.5)	21,241	582.7 (574.8–590.5)
7,697	197.8 (193.4–202.3)	8,323	216.1 (211.5–220.8)	9,272	243.5 (238.5–248.4)	10,896	293.3 (287.8–298.8)
5,700	129.7 (126.4–133.1)	5,897	136.9 (133.4–140.4)	6,693	155.8 (152.0–159.5)	7,594	178.4 (174.4–182.4)
4,833	115.7 (112.5–119.0)	5,332	125.6 (122.3–129.0)	5,940	137.9 (134.4–141.4)	6,871	159.3 (155.6–163.1)
3,372	126.4 (122.2–130.7)	3,832	136.3 (132.0–140.6)	4,542	151.8 (147.4–156.2)	5,252	164.5 (160.0–168.9)
1,864	133.8 (127.7–139.9)	2,037	139.8 (133.7–145.9)	2,369	156.8 (150.5–163.1)	2,542	162.6 (156.2–168.9)
365	77.2 (69.3–85.2)	404	78.3 (70.7–86.0)	552	97.1 (89.0–105.2)	625	102.1 (94.1–110.1)
80,975	320.1 (317.8–322.3)	85,863	339.0 (336.7–341.2)	93,798	368.1 (365.7–370.5)	104,546	412.0 (409.5–414.5)
192	8.96 (7.69–10.2)	200	9.58 (8.24–10.9)	163	8.03 (6.79–9.27)	190	9.83 (8.43–11.2)
13,153	534.8 (525.7–543.9)	13,291	555.8 (546.4–565.3)	13,632	586.6 (576.8–596.5)	14,782	655.8 (645.2–666.4)
24,591	758.8 (749.3–768.3)	25,911	798.2 (788.5–807.9)	27,768	852.2 (842.2–862.3)	32,304	992.8 (981.9–1,003.6)
13,684	375.6 (369.3–381.9)	14,487	402.0 (395.4–408.5)	15,887	450.8 (443.8–457.8)	17,506	511.7 (504.1–519.3)
10,816	255.4 (250.5–260.2)	11,431	276.5 (271.4–281.5)	12,724	309.5 (304.2–314.9)	13,841	339.8 (334.2–345.5)
9,245	222.7 (218.1–227.2)	10,012	236.7 (232.0–241.3)	11,289	263.7 (258.8–268.5)	12,369	290.1 (285.0–295.3)
5,563	198.4 (193.2–203.6)	6,194	209.8 (204.6–215.0)	7,378	234.6 (229.2–239.9)	8,453	251.3 (245.9–256.6)
2,978	171.0 (164.9–177.1)	3,417	190.4 (184.0–196.8)	3,887	211.5 (204.8–218.1)	4,009	213.1 (206.5–219.7)
753	78.6 (73.0–84.2)	920	90.1 (84.3–95.9)	1,070	97.3 (91.4–103.1)	1,092	94.0 (88.4–99.6)

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

^{a)}Age-standardized prevalence rates of internal derangement of temporomandibular joint (ICD-10: K07.60) were calculated using age groups according to the direct method using the estimated Korean population in 2020 as a reference.