

**Supplementary Table 7.** Age-standardized prevalence<sup>a)</sup> and 95% CI of degenerative joint disease of temporomandibular joint (ICD-10: K07.65) 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	8,870	19.0 (18.6–19.4)	9,706	20.7 (20.2–21.1)	10,788	22.6 (22.2–23.1)	13,183	27.2 (26.8–27.7)	16,324	32.8 (32.3–33.3)
0–9 years old	8	0.15 (0.03–0.27)	4	0.08 (0.00–0.16)	6	0.13 (0.02–0.23)	6	0.13 (0.02–0.23)	10	0.20 (0.07–0.34)
10–19 years old	1,498	24.3 (23.0–25.5)	1,511	25.2 (24.0–26.5)	1,559	27.0 (25.7–28.4)	1,968	35.8 (34.2–37.4)	2,524	46.1 (44.3–47.9)
20–29 years old	2,442	36.5 (35.0–37.9)	2,513	37.7 (36.2–39.2)	2,750	40.9 (39.3–42.4)	3,391	50.0 (48.3–51.7)	4,369	63.8 (61.9–65.7)
30–39 years old	1,293	15.8 (14.9–16.6)	1,336	16.5 (15.6–17.4)	1,554	19.6 (18.7–20.6)	1,867	24.0 (22.9–25.1)	2,273	29.6 (28.4–30.8)
40–49 years old	945	10.9 (10.2–11.6)	1,057	12.1 (11.3–12.8)	1,204	13.7 (12.9–14.5)	1,559	17.8 (17.0–18.7)	1,903	21.9 (20.9–22.9)
50–59 years old	1,034	13.7 (12.8–14.5)	1,350	17.3 (16.4–18.2)	1,506	18.8 (17.8–19.7)	1,741	21.4 (20.4–22.4)	2,178	26.4 (25.3–27.5)
60–69 years old	794	19.2 (17.8–20.5)	867	20.2 (18.8–21.5)	1,009	22.3 (20.9–23.6)	1,300	26.6 (25.2–28.1)	1,600	30.8 (29.3–32.4)
70–79 years old	679	24.9 (23.0–26.8)	863	30.5 (28.4–32.5)	943	32.4 (30.3–34.5)	1,077	36.8 (34.6–39.0)	1,136	37.9 (35.7–40.1)
Over 80 years	177	18.7 (15.9–21.5)	205	20.0 (17.3–22.8)	257	23.0 (20.2–25.8)	274	22.5 (19.8–25.2)	331	25.0 (22.3–27.7)
Male	2,416	10.4 (10.0–10.9)	2,462	10.6 (10.2–11.0)	2,710	11.6 (11.1–12.0)	3,393	14.1 (13.6–14.6)	4,118	16.6 (16.1–17.1)
0–9 years old	6	0.24 (0.04–0.45)	1	0.00 (0.00–0.08)	2	0.05 (0.00–0.17)	3	0.10 (0.00–0.24)	2	0.05 (0.00–0.17)
10–19 years old	465	14.3 (13.0–15.6)	408	13.0 (11.7–14.3)	413	13.7 (12.4–15.0)	526	18.3 (16.7–19.9)	707	24.8 (23.0–26.6)
20–29 years old	654	18.7 (17.2–20.1)	642	18.3 (16.9–19.7)	671	18.9 (17.4–20.3)	903	25.1 (23.5–26.8)	1,251	34.5 (32.6–36.4)
30–39 years old	293	6.98 (6.18–7.77)	302	7.27 (6.45–8.09)	334	8.22 (7.33–9.10)	441	11.0 (10.0–12.0)	519	13.1 (12.0–14.2)
40–49 years old	246	5.56 (4.86–6.25)	248	5.53 (4.84–6.22)	271	6.03 (5.31–6.75)	346	7.75 (6.93–8.57)	360	8.13 (7.29–8.97)
50–59 years old	281	7.41 (6.54–8.28)	314	8.02 (7.13–8.90)	351	8.71 (7.80–9.63)	394	9.64 (8.69–10.6)	433	10.4 (9.45–11.4)
60–69 years old	247	12.3 (10.8–13.8)	251	12.0 (10.5–13.5)	323	14.6 (13.0–16.2)	370	15.6 (14.0–17.2)	429	17.0 (15.4–18.6)
70–79 years old	184	15.7 (13.4–18.0)	253	20.7 (18.1–23.2)	275	21.8 (19.2–24.3)	350	27.3 (24.5–30.2)	331	25.1 (22.4–27.8)
Over 80 years	40	13.9 (9.60–18.2)	43	13.6 (9.50–17.7)	70	19.9 (15.2–24.5)	60	15.3 (11.4–19.2)	86	20.0 (15.8–24.3)
Female	6,454	27.6 (26.9–28.3)	7,244	30.7 (30.0–31.4)	8,078	33.7 (32.9–34.4)	9,790	40.4 (39.6–41.2)	12,206	49.1 (48.2–50.0)
0–9 years old	2	0.05 (0.00–0.18)	3	0.10 (0.00–0.26)	4	0.15 (0.00–0.33)	3	0.10 (0.00–0.26)	8	0.31 (0.06–0.56)
10–19 years old	1,033	35.3 (33.2–37.5)	1,103	38.8 (36.5–41.1)	1,146	41.7 (39.3–44.1)	1,442	54.9 (52.1–57.7)	1,817	69.1 (66.0–72.3)
20–29 years old	1,788	56.1 (53.5–58.7)	1,871	59.2 (56.5–61.9)	2,079	65.5 (62.7–68.3)	2,488	78.0 (74.9–81.1)	3,118	96.9 (93.5–100.3)
30–39 years old	1,000	25.0 (23.5–26.6)	1,034	26.3 (24.7–27.9)	1,220	31.7 (29.9–33.5)	1,426	37.8 (35.8–39.7)	1,754	47.2 (45.0–49.4)
40–49 years old	699	16.5 (15.3–17.8)	809	18.8 (17.5–20.1)	933	21.6 (20.3–23.0)	1,213	28.3 (26.7–29.9)	1,543	36.1 (34.3–37.9)
50–59 years old	753	19.9 (18.5–21.4)	1,036	26.6 (25.0–28.2)	1,155	28.8 (27.2–30.5)	1,347	33.2 (31.4–35.0)	1,745	42.5 (40.5–44.5)
60–69 years old	547	25.6 (23.4–27.7)	616	27.9 (25.7–30.1)	686	29.5 (27.3–31.7)	930	37.1 (34.7–39.5)	1,171	44.0 (41.4–46.5)
70–79 years old	495	31.8 (29.0–34.6)	610	37.8 (34.8–40.8)	668	40.5 (37.5–43.6)	727	44.1 (40.9–47.3)	805	48.1 (44.7–51.4)
Over 80 years	137	20.8 (17.3–24.3)	162	22.9 (19.4–26.4)	187	24.4 (20.9–27.9)	214	25.8 (22.4–29.3)	245	27.4 (24.0–30.8)

(Continued to the next page)

Supplementary Table 7. Continued

2017		2018		2019		2020	
No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)
18,179	36.5 (36.0–37.1)	22,196	44.2 (43.6–44.8)	26,575	52.2 (51.6–52.8)	28,712	56.5 (55.8–57.1)
12	0.25 (0.10–0.41)	9	0.20 (0.06–0.34)	15	0.35 (0.17–0.53)	25	0.63 (0.38–0.88)
2,671	52.1 (50.1–54.1)	3,097	62.3 (60.1–64.5)	3,653	75.7 (73.3–78.2)	4,157	89.0 (86.3–91.7)
4,739	68.8 (66.8–70.7)	5,885	85.2 (83.0–87.4)	6,874	99.1 (96.7–101.4)	7,749	112.3 (109.8–114.8)
2,579	34.2 (32.9–35.5)	3,338	44.8 (43.3–46.3)	4,151	56.6 (54.9–58.3)	4,413	61.8 (60.0–63.7)
2,193	25.4 (24.3–26.5)	2,807	33.2 (32.0–34.5)	3,348	39.8 (38.5–41.2)	3,642	43.7 (42.3–45.1)
2,510	30.1 (29.0–31.3)	2,955	34.9 (33.6–36.1)	3,585	41.7 (40.4–43.1)	3,727	43.5 (42.1–44.9)
1,883	34.4 (32.9–36.0)	2,259	39.2 (37.6–40.8)	2,826	46.0 (44.3–47.7)	2,903	44.3 (42.7–45.9)
1,221	38.9 (36.8–41.1)	1,415	43.5 (41.2–45.8)	1,634	48.8 (46.4–51.1)	1,618	47.0 (44.7–49.3)
371	25.9 (23.3–28.6)	431	28.0 (25.4–30.7)	489	29.3 (26.7–31.9)	478	26.9 (24.5–29.3)
4,699	18.9 (18.3–19.4)	5,813	23.1 (22.5–23.6)	6,861	26.8 (26.2–27.5)	7,471	29.3 (28.7–30.0)
7	0.29 (0.06–0.52)	6	0.24 (0.03–0.46)	4	0.15 (0.00–0.33)	6	0.29 (0.06–0.53)
784	29.4 (27.3–31.4)	1,057	40.9 (38.5–43.4)	1,199	47.9 (45.2–50.7)	1,280	52.9 (50.0–55.8)
1,425	39.0 (37.0–41.0)	1,719	47.0 (44.7–49.2)	1,972	53.6 (51.2–56.0)	2,255	61.9 (59.3–64.4)
580	14.9 (13.7–16.1)	805	20.9 (19.5–22.3)	1,006	26.4 (24.8–28.0)	1,139	30.7 (28.9–32.4)
468	10.6 (9.67–11.6)	571	13.2 (12.1–14.3)	719	16.7 (15.5–17.9)	784	18.4 (17.1–19.7)
481	11.5 (10.5–12.5)	579	13.6 (12.5–14.7)	699	16.2 (15.0–17.4)	746	17.3 (16.0–18.5)
503	18.8 (17.2–20.5)	554	19.7 (18.1–21.3)	670	22.4 (20.7–24.1)	677	21.2 (19.6–22.8)
353	25.3 (22.7–28.0)	410	28.1 (25.4–30.9)	462	30.5 (27.7–33.3)	452	28.9 (26.2–31.5)
98	20.6 (16.5–24.8)	112	21.6 (17.6–25.6)	130	22.8 (18.9–26.8)	132	21.6 (17.9–25.3)
13,480	54.2 (53.3–55.2)	16,383	65.4 (64.4–66.4)	19,714	77.8 (76.7–78.9)	21,241	83.8 (82.7–84.9)
5	0.21 (0.00–0.41)	3	0.10 (0.00–0.27)	11	0.52 (0.19–0.84)	19	0.98 (0.54–1.42)
1,887	76.7 (73.2–80.2)	2,040	85.3 (81.6–89.0)	2,454	105.6 (101.4–109.8)	2,877	127.6 (122.9–132.3)
3,314	102.3 (98.8–105.7)	4,166	128.3 (124.4–132.2)	4,902	150.4 (146.2–154.6)	5,494	168.8 (164.4–173.3)
1,999	54.9 (52.5–57.3)	2,533	70.3 (67.5–73.0)	3,145	89.2 (86.1–92.4)	3,274	95.7 (92.4–99.0)
1,725	40.7 (38.8–42.6)	2,236	54.1 (51.8–56.3)	2,629	63.9 (61.5–66.4)	2,858	70.2 (67.6–72.7)
2,029	48.9 (46.7–51.0)	2,376	56.2 (53.9–58.4)	2,886	67.4 (64.9–69.8)	2,981	69.9 (67.4–72.4)
1,380	49.2 (46.6–51.8)	1,705	57.8 (55.0–60.5)	2,156	68.5 (65.6–71.4)	2,226	66.2 (63.4–68.9)
868	49.8 (46.5–53.1)	1,005	56.0 (52.5–59.4)	1,172	63.7 (60.1–67.4)	1,166	62.0 (58.4–65.5)
273	28.5 (25.1–31.9)	319	31.2 (27.8–34.6)	359	32.6 (29.2–36.0)	346	29.7 (26.6–32.9)

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

<sup>a)</sup>Age-standardized prevalence rates of degenerative joint disease of temporomandibular joint (ICD-10: K07.65) were calculated using age groups according to the direct method using the estimated Korean population in 2020 as a reference.