

**Supplementary Table 8.** Age-standardized prevalence<sup>a)</sup> and 95% CI of masticatory muscle disorders (ICD-10: K07.66) 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	17,455	35.8 (35.2–36.3)	20,763	42.2 (41.6–42.8)	22,900	46.2 (45.6–46.8)	25,860	52.1 (51.4–52.7)	28,697	56.8 (56.1–57.5)
0–9 years old	77	1.66 (1.28–2.03)	97	2.11 (1.68–2.53)	82	1.81 (1.41–2.20)	101	2.21 (1.77–2.64)	84	1.81 (1.42–2.20)
10–19 years old	2,997	48.5 (46.8–50.3)	3,298	55.1 (53.2–57.0)	3,587	62.2 (60.2–64.3)	3,777	68.8 (66.6–71.0)	4,074	74.4 (72.1–76.7)
20–29 years old	4,696	70.2 (68.2–72.2)	5,410	81.2 (79.0–83.3)	5,843	86.8 (84.6–89.1)	6,715	99.0 (96.6–101.4)	7,933	115.9 (113.3–118.4)
30–39 years old	3,095	37.8 (36.4–39.1)	3,737	46.3 (44.8–47.8)	3,954	50.0 (48.4–51.6)	4,485	57.6 (55.9–59.3)	4,689	61.1 (59.3–62.8)
40–49 years old	2,562	29.7 (28.5–30.8)	3,169	36.2 (34.9–37.5)	3,491	39.7 (38.4–41.0)	3,851	44.1 (42.7–45.5)	4,113	47.3 (45.8–48.7)
50–59 years old	2,120	28.0 (26.9–29.2)	2,666	34.1 (32.8–35.4)	3,060	38.1 (36.8–39.5)	3,468	42.6 (41.2–44.1)	3,819	46.3 (44.8–47.8)
60–69 years old	1,149	27.7 (26.1–29.3)	1,360	31.7 (30.0–33.3)	1,699	37.5 (35.7–39.3)	2,002	41.0 (39.2–42.8)	2,294	44.2 (42.4–46.0)
70–79 years old	623	22.8 (21.0–24.6)	862	30.4 (28.4–32.4)	979	33.6 (31.5–35.7)	1,185	40.5 (38.2–42.8)	1,374	45.9 (43.5–48.3)
Over 80 years	136	14.4 (12.0–16.8)	164	16.0 (13.5–18.5)	205	18.3 (15.8–20.9)	276	22.7 (20.0–25.3)	317	24.0 (21.3–26.6)
Male	6,721	27.6 (26.9–28.3)	8,317	33.8 (33.1–34.5)	8,914	36.0 (35.2–36.8)	10,147	40.8 (40.0–41.6)	11,292	44.6 (43.7–45.4)
0–9 years old	42	1.76 (1.23–2.30)	51	2.15 (1.56–2.75)	46	1.96 (1.39–2.53)	53	2.25 (1.64–2.86)	43	1.81 (1.27–2.35)
10–19 years old	1,216	37.4 (35.3–39.5)	1,389	44.2 (41.9–46.5)	1,429	47.4 (44.9–49.8)	1,617	56.4 (53.6–59.1)	1,796	63.0 (60.1–65.9)
20–29 years old	1,764	50.4 (48.0–52.7)	2,107	60.1 (57.5–62.7)	2,211	62.2 (59.6–64.8)	2,610	72.7 (69.9–75.4)	3,110	85.7 (82.7–88.7)
30–39 years old	1,147	27.3 (25.7–28.9)	1,423	34.3 (32.5–36.1)	1,551	38.1 (36.2–40.0)	1,646	41.0 (39.0–43.0)	1,762	44.5 (42.4–46.6)
40–49 years old	972	22.0 (20.6–23.4)	1,275	28.5 (27.0–30.1)	1,308	29.1 (27.6–30.7)	1,439	32.3 (30.6–34.0)	1,489	33.6 (31.9–35.4)
50–59 years old	825	21.8 (20.3–23.3)	1,103	28.2 (26.5–29.8)	1,206	30.0 (28.3–31.7)	1,367	33.5 (31.7–35.3)	1,500	36.1 (34.3–38.0)
60–69 years old	481	24.0 (21.8–26.1)	570	27.4 (25.1–29.6)	733	33.2 (30.8–35.6)	867	36.5 (34.1–38.9)	926	36.7 (34.3–39.1)
70–79 years old	224	19.1 (16.6–21.6)	349	28.5 (25.5–31.5)	356	28.1 (25.2–31.1)	458	35.7 (32.5–39.0)	548	41.5 (38.0–45.0)
Over 80 years	50	17.4 (12.5–22.2)	50	15.8 (11.4–20.2)	74	21.1 (16.3–25.9)	90	23.1 (18.4–27.9)	118	27.4 (22.4–32.3)
Female	10,734	44.0 (43.1–44.8)	12,446	50.6 (49.7–51.5)	13,986	56.5 (55.6–57.5)	15,713	63.4 (62.4–64.4)	17,405	69.1 (68.1–70.2)
0–9 years old	35	1.54 (1.02–2.07)	46	2.06 (1.46–2.66)	36	1.60 (1.06–2.13)	48	2.16 (1.55–2.78)	41	1.80 (1.24–2.36)
10–19 years old	1,781	60.9 (58.0–63.7)	1,909	67.2 (64.1–70.2)	2,158	78.5 (75.2–81.8)	2,160	82.3 (78.8–85.7)	2,278	86.7 (83.1–90.3)
20–29 years old	2,932	92.0 (88.6–95.3)	3,303	104.5 (101.0–108.1)	3,632	114.4 (110.7–118.1)	4,105	128.7 (124.8–132.6)	4,823	149.9 (145.7–154.1)
30–39 years old	1,948	48.8 (46.6–50.9)	2,314	58.9 (56.5–61.3)	2,403	62.6 (60.0–65.1)	2,839	75.2 (72.5–78.0)	2,927	78.8 (75.9–81.6)
40–49 years old	1,590	37.6 (35.8–39.5)	1,894	44.1 (42.2–46.1)	2,183	50.6 (48.5–52.8)	2,412	56.4 (54.1–58.6)	2,624	61.4 (59.1–63.8)
50–59 years old	1,295	34.3 (32.4–36.2)	1,563	40.1 (38.1–42.1)	1,854	46.3 (44.2–48.4)	2,101	51.8 (49.6–54.0)	2,319	56.5 (54.2–58.8)
60–69 years old	668	31.2 (28.9–33.6)	790	35.7 (33.2–38.2)	966	41.5 (38.9–44.1)	1,135	45.3 (42.6–47.9)	1,368	51.4 (48.6–54.1)
70–79 years old	399	25.6 (23.1–28.1)	513	31.8 (29.1–34.6)	623	37.8 (34.8–40.8)	727	44.1 (40.9–47.3)	826	49.3 (45.9–52.7)
Over 80 years	86	13.1 (10.3–15.8)	114	16.1 (13.2–19.1)	131	17.0 (14.1–20.0)	186	22.4 (19.2–25.6)	199	22.3 (19.2–25.4)

(Continued to the next page)

Supplementary Table 8. Continued

2017		2018		2019		2020	
No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)	No.	Prevalence (95% CI)
29,494	58.8 (58.1–59.4)	31,761	63.0 (62.3–63.7)	34,675	68.0 (67.3–68.7)	37,893	74.5 (73.7–75.2)
107	2.43 (1.97–2.89)	107	2.48 (2.01–2.96)	105	2.51 (2.02–2.99)	133	3.34 (2.77–3.91)
3,722	72.6 (70.3–74.9)	3,701	74.4 (72.0–76.8)	4,019	83.3 (80.7–85.9)	4,180	89.5 (86.8–92.2)
8,021	116.4 (113.8–118.9)	9,030	130.8 (128.1–133.5)	9,641	139.0 (136.2–141.7)	11,004	159.5 (156.5–162.5)
4,912	65.2 (63.4–67.0)	5,313	71.3 (69.4–73.2)	5,850	79.8 (77.7–81.8)	6,581	92.2 (90.0–94.5)
4,273	49.5 (48.0–51.0)	4,477	53.0 (51.5–54.6)	4,845	57.6 (56.0–59.2)	5,170	62.1 (60.4–63.8)
3,856	46.3 (44.8–47.8)	4,039	47.7 (46.2–49.1)	4,451	51.8 (50.3–53.3)	4,839	56.4 (54.8–58.0)
2,547	46.5 (44.7–48.4)	2,804	48.6 (46.8–50.4)	3,284	53.5 (51.7–55.3)	3,515	53.6 (51.8–55.4)
1,618	51.6 (49.1–54.1)	1,750	53.8 (51.3–56.3)	1,908	57.0 (54.4–59.5)	1,938	56.2 (53.7–58.8)
438	30.6 (27.7–33.5)	540	35.1 (32.2–38.1)	572	34.3 (31.5–37.1)	533	30.0 (27.5–32.6)
11,306	44.9 (44.0–45.7)	12,274	48.6 (47.7–49.4)	13,522	52.8 (51.9–53.7)	14,519	56.9 (56.0–57.8)
58	2.54 (1.88–3.20)	60	2.69 (2.00–3.38)	50	2.35 (1.70–3.00)	64	3.13 (2.36–3.90)
1,695	63.5 (60.5–66.5)	1,658	64.2 (61.1–67.3)	1,823	72.9 (69.6–76.2)	1,797	74.3 (70.9–77.8)
3,134	85.8 (82.8–88.8)	3,548	96.9 (93.8–100.1)	3,874	105.3 (102.0–108.6)	4,258	116.8 (113.3–120.3)
1,805	46.4 (44.2–48.5)	1,986	51.6 (49.3–53.8)	2,209	58.0 (55.6–60.4)	2,496	67.2 (64.5–69.8)
1,487	33.8 (32.1–35.6)	1,512	35.1 (33.3–36.9)	1,660	38.6 (36.8–40.5)	1,820	42.7 (40.8–44.7)
1,379	33.0 (31.3–34.8)	1,477	34.8 (33.0–36.6)	1,632	37.9 (36.0–39.7)	1,760	40.8 (38.9–42.7)
970	36.3 (34.1–38.6)	1,131	40.2 (37.9–42.6)	1,302	43.5 (41.1–45.9)	1,357	42.5 (40.2–44.7)
626	44.9 (41.4–48.5)	716	49.1 (45.5–52.7)	774	51.2 (47.6–54.8)	767	49.0 (45.5–52.5)
152	32.2 (27.1–37.3)	186	36.0 (30.8–41.2)	198	34.7 (29.9–39.6)	200	32.7 (28.1–37.2)
18,188	72.7 (71.6–73.8)	19,487	77.5 (76.4–78.6)	21,153	83.3 (82.2–84.4)	23,374	92.1 (91.0–93.3)
49	2.27 (1.62–2.91)	47	2.21 (1.57–2.86)	55	2.68 (1.96–3.40)	69	3.55 (2.71–4.40)
2,027	82.4 (78.8–86.0)	2,043	85.4 (81.7–89.1)	2,196	94.5 (90.5–98.4)	2,383	105.7 (101.5–110.0)
4,887	150.8 (146.6–155.0)	5,482	168.9 (164.4–173.3)	5,767	177.0 (172.4–181.6)	6,746	207.3 (202.4–212.3)
3,107	85.3 (82.3–88.3)	3,327	92.3 (89.2–95.4)	3,641	103.3 (99.9–106.7)	4,085	119.4 (115.7–123.0)
2,786	65.8 (63.3–68.2)	2,965	71.7 (69.1–74.3)	3,185	77.5 (74.8–80.2)	3,350	82.2 (79.4–85.0)
2,477	59.7 (57.3–62.0)	2,562	60.6 (58.2–62.9)	2,819	65.8 (63.4–68.3)	3,079	72.2 (69.7–74.8)
1,577	56.2 (53.4–59.0)	1,673	56.7 (53.9–59.4)	1,982	63.0 (60.2–65.8)	2,158	64.1 (61.4–66.9)
992	57.0 (53.4–60.5)	1,034	57.6 (54.1–61.1)	1,134	61.7 (58.1–65.3)	1,171	62.2 (58.7–65.8)
286	29.8 (26.3–33.3)	354	34.6 (31.0–38.2)	374	34.0 (30.6–37.5)	333	28.6 (25.6–31.7)

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

<sup>a)</sup>Age-standardized prevalence rates of masticatory muscle disorders (ICD-10: K07.66) were calculated using age groups according to the direct method using the estimated Korean population in 2020 as a reference.