

Supplemental Table 2. Sensitivity analysis of incidence rates of mastoiditis^a per 100,000 population by case definition, Kid's Inpatient Database (KID), 2000-2012

Estimated mastoiditis^a incidence rate per 100,000 population (95% CI)^b					
	2000	2003	2006	2009	2012
Acute mastoiditis, primary diagnosis position only^{c, d}					
Total	1.7 (1.5, 2.0)	1.8 (1.7, 2.0)	1.9 (1.7, 2.1)	1.4 (1.2, 1.6)	1.1 (1.0, 1.3)
Sex					
Female	1.4 (1.2, 1.7)	1.6 (1.4, 1.8)	1.6 (1.4, 1.8)	1.2 (1.1, 1.4)	0.9 (0.8, 1.1)
Male	2.0 (1.7, 2.3)	2.0 (1.8, 2.3)	2.1 (1.9, 2.4)	1.5 (1.3, 1.7)	1.3 (1.1, 1.5)
Age in years					
<2	4.7 (3.9, 5.6)	4.2 (3.5, 4.8)	5.2 (4.4, 6.0)	4.7 (3.9, 5.5)	2.3 (1.8, 2.7)
2-17	1.4 (1.2, 1.6)	1.5 (1.4, 1.7)	1.4 (1.3, 1.6)	1.0 (0.8, 1.1)	1.0 (0.9, 1.1)
Region					
Northeast	1.6 (1.2, 1.9)	1.9 (1.5, 2.4)	2.0 (1.5, 2.4)	1.7 (1.2, 2.1)	1.3 (0.9, 1.7)
Midwest	1.2 (0.6, 1.9)	1.7 (1.3, 2.0)	1.6 (1.2, 2.0)	1.3 (0.8, 1.7)	1.1 (0.8, 1.5)
South	2.1 (1.7, 2.5)	2.0 (1.6, 2.4)	1.9 (1.5, 2.4)	1.4 (1.1, 1.7)	1.1 (0.9, 1.4)
West	1.8 (1.4, 2.2)	1.7 (1.3, 2.2)	1.9 (1.4, 2.4)	1.3 (1.0, 1.6)	1.1 (0.7, 1.4)
Acute and unspecified mastoiditis, diagnosis positions 1-15^{c, e}					
Total	3.9 (3.5, 4.2)	4.3 (3.9, 4.6)	4.8 (4.3, 5.2)	4.8 (4.3, 5.2)	3.6 (3.3, 4.0)
Sex					
Female	3.3 (2.9, 3.7)	3.7 (3.4, 4.1)	4.1 (3.6, 4.5)	4.0 (3.6, 4.4)	3.1 (2.8, 3.5)
Male	4.4 (3.9, 4.9)	4.6 (4.2, 5.1)	5.3 (4.8, 5.8)	5.5 (4.9, 6.0)	4.1 (3.6, 4.5)

Estimated mastoiditis^a incidence rate per 100,000 population (95% CI)^b					
	2000	2003	2006	2009	2012
Age in years					
<2	10.0 (8.6, 11.4)	9.0 (7.9, 10.1)	12.0 (10.6, 13.5)	13.1 (11.5, 14.7)	7.3 (6.3, 8.3)
2-17	3.1 (2.8, 3.4)	3.6 (3.3, 4.0)	3.8 (3.4, 4.2)	3.7 (3.3, 4.0)	3.2 (2.9, 3.5)
Region					
Northeast	3.6 (2.9, 4.3)	4.0 (3.2, 4.9)	4.4 (3.5, 5.3)	4.8 (3.7, 5.9)	3.7 (2.7, 4.7)
Midwest	2.9 (2.1, 3.8)	3.9 (3.0, 4.8)	4.5 (3.5, 5.4)	4.4 (3.3, 5.5)	3.7 (2.8, 4.6)
South	4.6 (3.8, 5.4)	5.0 (4.1, 5.8)	5.3 (4.2, 6.3)	5.6 (4.6, 6.6)	4.0 (3.3, 4.7)
West	3.7 (3.0, 4.5)	3.6 (2.8, 4.5)	4.5 (3.5, 5.5)	3.8 (3.0, 4.6)	2.9 (2.2, 3.7)

^a Defined as a discharge with ICD-9 codes 383.00, 383.01, 383.02, or 383.9 in the primary position.

^b Upper and lower 95% CIs of incidence rates were calculated using the corresponding limits from estimates of incident mastoiditis cases derived from the KID divided by the census estimate.

^c Compare to Table 1 (acute and unspecified mastoiditis discharges, primary position only).

^d Defined as a discharge with ICD-9 codes 383.00, 383.01, or 383.02 in the primary position.

^e Defined as a discharge with ICD-9 codes 383.00, 383.01, 383.02, or 383.9 in any discharge code position (1-15).