

Table S1. Anti-hepatitis A immunoglobulin G positivity rate and 95% CI by year, age group, and gender

Age group (y)	Gender	2012		2013		2014		2015	
		Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)
0-4	Overall	147	57.1 (48.7-65.3)	319	57.1 (51.4-62.6)	147	61.2 (52.8-69.1)	157	65.6 (57.6-73.0)
	Man	94	56.4 (45.8-66.6)	166	55.4 (47.5-63.1)	92	62.0 (51.2-71.9)	89	67.4 (56.7-77.0)
	Woman	53	58.5 (44.1-71.9)	153	58.8 (50.6-66.7)	55	60.0 (45.9-73.0)	68	63.2 (50.7-74.6)
5-9	Overall	240	74.2 (68.1-79.6)	388	62.4 (57.3-67.2)	286	72.7 (67.2-77.8)	379	79.2 (74.7-83.1)
	Man	141	74.5 (66.4-81.4)	228	64.5 (57.9-70.7)	151	70.9 (62.9-78.0)	209	79.9 (73.8-85.1)
	Woman	99	73.7 (63.9-82.1)	160	59.4 (51.3-67.1)	135	74.8 (66.6-81.9)	170	78.2 (71.3-84.2)
10-14	Overall	772	48.4 (44.9-52.0)	884	48.1 (44.7-51.4)	803	55.8 (52.3-59.3)	874	63.3 (60.0-66.5)
	Man	429	49.7 (44.8-54.5)	503	48.1 (43.7-52.6)	454	55.5 (50.8-60.1)	520	61.7 (57.4-65.9)
	Woman	343	46.9 (41.6-52.4)	381	48.0 (42.9-53.2)	349	56.2 (50.8-61.4)	354	65.5 (60.3-70.5)
15-19	Overall	3,275	19.3 (17.9-20.7)	3,239	21.3 (19.9-22.8)	5,861	18.8 (17.8-19.9)	3,838	29.3 (27.8-30.7)
	Man	1,631	21.0 (19.1-23.1)	1,641	23.8 (21.8-26.0)	2,513	21.5 (19.9-23.1)	1,878	31.0 (28.9-33.1)
	Woman	1,644	17.5 (15.7-19.4)	1,598	18.8 (16.9-20.8)	3,348	16.8 (15.6-18.2)	1,960	27.6 (25.6-29.6)
20-24	Overall	3,525	17.9 (16.6-19.2)	3,961	22.2 (20.9-23.5)	8,350	18.2 (17.4-19.0)	5,532	24.4 (23.2-25.5)
	Man	1,558	19.3 (17.3-21.3)	1,714	24.4 (22.4-26.5)	3,124	24.1 (22.6-25.7)	2,075	29.8 (27.9-31.9)
	Woman	1,967	16.8 (15.2-18.6)	2,247	20.5 (18.8-22.2)	5,226	14.7 (13.7-15.6)	3,457	21.1 (19.7-22.5)
25-29	Overall	7,116	16.7 (15.8-17.6)	8,396	18.1 (17.3-18.9)	11,058	19.8 (19.1-20.6)	12,307	22.2 (21.5-22.9)
	Man	2,438	14.5 (13.1-16.0)	2,614	15.5 (14.2-17.0)	2,622	18.0 (16.5-19.5)	2,536	20.9 (19.3-22.5)
	Woman	4,678	17.8 (16.7-19.0)	5,782	19.2 (18.2-20.3)	8,436	20.4 (19.5-21.3)	9,771	22.5 (21.7-23.4)
30-34	Overall	10,270	26.4 (25.5-27.3)	13,463	25.6 (24.9-26.4)	18,648	24.6 (24.0-25.2)	21,470	27.0 (26.4-27.6)
	Man	3,421	25.8 (24.3-27.3)	3,802	25.8 (24.4-27.2)	4,172	24.3 (23.0-25.7)	4,069	24.5 (23.2-25.9)
	Woman	6,849	26.7 (25.6-27.8)	9,661	25.6 (24.7-26.5)	14,476	24.7 (24.0-25.4)	17,401	27.6 (26.9-28.2)
35-39	Overall	8,247	54.5 (53.4-55.6)	8,742	49.4 (48.4-50.5)	11,846	43.6 (42.7-44.5)	14,099	41.1 (40.3-41.9)
	Man	4,000	55.0 (53.4-56.6)	3,719	50.7 (49.1-52.4)	4,502	43.8 (42.3-45.2)	4,604	41.0 (39.6-42.4)
	Woman	4,247	54.0 (52.5-55.5)	5,023	48.4 (47.0-49.8)	7,344	43.5 (42.4-44.6)	9,495	41.1 (40.1-42.1)
40-44	Overall	7,265	80.4 (79.4-81.3)	7,751	76.7 (75.7-77.6)	9,765	73.0 (72.1-73.9)	10,526	69.4 (68.5-70.3)
	Man	3,985	80.1 (78.8-81.3)	4,366	76.2 (74.9-77.5)	5,006	72.0 (70.7-73.2)	5,061	67.5 (66.2-68.8)
	Woman	3,280	80.7 (79.3-82.0)	3,385	77.3 (75.9-78.7)	4,759	74.2 (72.9-75.4)	5,465	71.1 (69.9-72.3)
45-49	Overall	5,823	93.7 (93.0-94.3)	6,059	92.9 (92.2-93.5)	7,531	90.0 (89.3-90.7)	8,831	88.1 (87.4-88.8)
	Man	3,251	93.4 (92.4-94.2)	3,473	92.5 (91.6-93.3)	4,081	89.0 (88.0-90.0)	4,563	87.0 (86.0-87.9)
	Woman	2,572	94.1 (93.1-94.9)	2,586	93.3 (92.3-94.3)	3,450	91.2 (90.2-92.1)	4,268	89.3 (88.3-90.2)
50-54	Overall	5,897	97.8 (97.4-98.1)	5,990	97.2 (96.8-97.6)	6,620	96.8 (96.3-97.2)	7,498	96.5 (96.0-96.9)
	Man	3,066	97.6 (96.9-98.1)	3,362	97.2 (96.6-97.7)	3,412	96.1 (95.4-96.8)	3,691	96.1 (95.5-96.7)
	Woman	2,831	98.0 (97.4-98.5)	2,628	97.3 (96.6-97.9)	3,208	97.5 (96.9-98.0)	3,807	96.8 (96.2-97.3)
55-59	Overall	3,910	99.5 (99.2-99.7)	3,978	99.2 (98.9-99.5)	4,498	99.2 (98.9-99.5)	5,493	98.7 (98.4-99.0)
	Man	2,140	99.6 (99.2-99.8)	2,214	99.1 (98.6-99.4)	2,316	99.3 (98.8-99.6)	2,818	98.6 (98.1-99.0)
	Woman	1,770	99.4 (99.0-99.7)	1,764	99.5 (99.0-99.8)	2,182	99.2 (98.7-99.5)	2,675	98.8 (98.4-99.2)
≥60	Overall	4,975	99.6 (99.4-99.8)	5,292	99.7 (99.5-99.8)	5,821	99.8 (99.6-99.9)	7,326	99.6 (99.4-99.7)
	Man	2,495	99.5 (99.1-99.7)	2,735	99.7 (99.4-99.8)	2,816	99.9 (99.6-100.0)	3,465	99.6 (99.4-99.8)
	Woman	2,480	99.7 (99.4-99.9)	2,557	99.8 (99.5-99.9)	3,005	99.7 (99.4-99.8)	3,861	99.6 (99.3-99.7)

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Table S1. Continued

Age group (y)	Gender	2016			2017			2018			2019		
		Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)		
0-4	Overall	190	66.3 (59.1-73.0)	190	76.8 (70.2-82.6)	288	70.5 (64.9-75.7)	314	75.8 (70.7-80.4)				
	Man	113	61.9 (52.3-70.9)	114	78.1 (69.4-85.3)	149	65.8 (57.6-73.3)	176	76.7 (69.8-82.7)				
	Woman	77	72.7 (61.4-82.3)	76	75.0 (63.7-84.2)	139	75.5 (67.5-82.4)	138	74.6 (66.5-81.7)				
5-9	Overall	408	80.1 (75.9-83.9)	393	78.1 (73.7-82.1)	415	78.6 (74.3-82.4)	499	88.0 (84.8-90.7)				
	Man	237	77.6 (71.8-82.8)	223	78.0 (72.0-83.3)	217	78.3 (72.3-83.6)	268	89.2 (84.8-92.6)				
	Woman	171	83.6 (77.2-88.8)	170	78.2 (71.3-84.2)	198	78.8 (72.4-84.3)	231	86.6 (81.5-90.7)				
10-14	Overall	780	69.9 (66.5-73.1)	752	68.5 (65.0-71.8)	692	76.3 (73.0-79.4)	1,067	78.2 (75.6-80.6)				
	Man	423	70.2 (65.6-74.5)	415	70.4 (65.7-74.7)	403	75.2 (70.7-79.3)	612	78.4 (75.0-81.6)				
	Woman	357	69.5 (64.4-74.2)	337	66.2 (60.8-71.2)	289	77.9 (72.6-82.5)	455	77.8 (73.7-81.5)				
15-19	Overall	4,116	35.8 (34.4-37.3)	3,164	40.7 (39.0-42.5)	2,932	47.2 (45.4-49.1)	4,063	54.6 (53.1-56.2)				
	Man	2,174	38.6 (36.6-40.7)	1,473	44.9 (42.3-47.5)	1,334	48.4 (45.7-51.1)	1,796	56.0 (53.6-58.3)				
	Woman	1,942	32.7 (30.6-34.8)	1,691	37.1 (34.8-39.5)	1,598	46.2 (43.8-48.7)	2,267	53.5 (51.5-55.6)				
20-24	Overall	6,994	30.4 (29.3-31.4)	6,302	34.2 (33.0-35.4)	5,686	39.5 (38.3-40.8)	8,372	46.0 (44.9-47.1)				
	Man	2,599	40.8 (38.9-42.7)	2,383	46.8 (44.8-48.9)	2,065	54.2 (52.0-56.4)	2,951	62.0 (60.2-63.7)				
	Woman	4,395	24.2 (22.9-25.5)	3,919	26.5 (25.1-27.9)	3,621	31.2 (29.7-32.7)	5,421	37.3 (36.0-38.6)				
25-29	Overall	16,441	23.3 (22.7-24.0)	15,725	25.0 (24.4-25.7)	14,945	26.1 (25.4-26.8)	17,719	27.8 (27.1-28.4)				
	Man	4,532	19.1 (18.0-20.3)	4,360	22.5 (21.2-23.7)	4,567	24.0 (22.7-25.2)	4,873	29.3 (28.0-30.6)				
	Woman	11,909	24.9 (24.2-25.7)	11,365	26.0 (25.2-26.8)	10,378	27.0 (26.2-27.9)	12,846	27.2 (26.4-27.9)				
30-34	Overall	28,395	27.9 (27.4-28.4)	27,813	29.4 (28.9-29.9)	24,748	30.7 (30.1-31.3)	27,087	30.8 (30.3-31.4)				
	Man	7,895	22.9 (22.0-23.9)	7,562	23.1 (22.1-24.0)	6,801	23.3 (22.3-24.3)	6,906	22.3 (21.4-23.3)				
	Woman	20,500	29.8 (29.2-30.4)	20,251	31.8 (31.1-32.4)	17,947	33.5 (32.8-34.2)	20,181	33.7 (33.1-34.4)				
35-39	Overall	24,642	39.8 (39.2-40.4)	26,238	38.6 (38.0-39.2)	25,228	38.0 (37.4-38.6)	24,992	35.6 (35.1-36.2)				
	Man	10,186	38.0 (37.1-39.0)	10,508	35.8 (34.8-36.7)	10,183	34.4 (33.5-35.4)	9,253	30.6 (29.7-31.6)				
	Woman	14,456	41.0 (40.2-41.8)	15,730	40.5 (39.8-41.3)	15,045	40.4 (39.6-41.2)	15,739	38.6 (37.8-39.4)				
40-44	Overall	19,003	63.8 (63.1-64.5)	20,354	59.5 (58.8-60.2)	18,139	56.1 (55.4-56.9)	17,673	49.7 (48.9-50.4)				
	Man	9,934	62.7 (61.7-63.6)	10,425	58.0 (57.0-58.9)	9,605	55.1 (54.1-56.1)	8,470	48.0 (46.9-49.0)				
	Woman	9,069	64.9 (64.0-65.9)	9,929	61.2 (60.2-62.1)	8,534	57.3 (56.2-58.3)	9,203	51.2 (50.2-52.3)				
45-49	Overall	15,740	84.2 (83.6-84.8)	17,898	82.0 (81.4-82.6)	17,250	79.5 (78.9-80.1)	16,170	76.2 (75.5-76.8)				
	Man	8,495	83.4 (82.6-84.2)	9,925	81.0 (80.2-81.8)	9,791	79.2 (78.4-80.0)	8,309	74.9 (73.9-75.8)				
	Woman	7,245	85.1 (84.2-85.9)	7,973	83.3 (82.5-84.1)	7,459	79.9 (78.9-80.8)	7,861	77.5 (76.6-78.5)				
50-54	Overall	10,967	95.2 (94.8-95.6)	12,288	94.2 (93.7-94.6)	12,541	93.2 (92.7-93.6)	13,600	91.5 (91.0-91.9)				
	Man	5,776	94.5 (93.8-95.0)	6,644	93.8 (93.2-94.4)	6,983	92.7 (92.1-93.3)	6,717	91.0 (90.3-91.7)				
	Woman	5,191	96.0 (95.5-96.5)	5,644	94.6 (93.9-95.1)	5,558	93.7 (93.1-94.3)	6,883	91.9 (91.3-92.6)				
55-59	Overall	7,901	98.5 (98.2-98.7)	8,949	98.1 (97.8-98.4)	9,622	98.0 (97.6-98.2)	11,217	97.4 (97.1-97.7)				
	Man	3,909	98.5 (98.1-98.9)	4,635	98.1 (97.7-98.5)	5,082	97.7 (97.2-98.1)	5,583	97.4 (97.0-97.8)				
	Woman	3,992	98.4 (98.0-98.8)	4,314	98.1 (97.7-98.5)	4,540	98.2 (97.8-98.6)	5,634	97.4 (96.9-97.8)				
≥60	Overall	9,895	99.7 (99.5-99.8)	11,088	99.7 (99.6-99.8)	11,891	99.7 (99.5-99.8)	16,102	99.6 (99.4-99.7)				
	Man	4,469	99.7 (99.5-99.8)	5,013	99.6 (99.4-99.8)	5,397	99.6 (99.4-99.7)	7,145	99.5 (99.3-99.7)				
	Woman	5,426	99.6 (99.5-99.8)	6,075	99.7 (99.6-99.8)	6,494	99.7 (99.6-99.8)	8,957	99.6 (99.4-99.7)				

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Table S1. Continued

Age group (y)	Gender	2020		2021		2022	
		Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)	Total	Positivity rate (95% CI)
0-4	Overall	231	78.4 (72.5-83.5)	759	91.4 (89.2-93.3)	219	84.5 (79.0-89.0)
	Man	133	75.9 (67.8-82.9)	402	91.0 (87.8-93.6)	120	82.5 (74.5-88.8)
	Woman	98	81.6 (72.5-88.7)	357	91.9 (88.5-94.5)	99	86.9 (78.6-92.8)
5-9	Overall	465	94.6 (92.2-96.5)	766	96.6 (95.1-97.8)	147	93.9 (88.7-97.2)
	Man	247	93.5 (89.7-96.3)	403	95.8 (93.3-97.5)	70	91.4 (82.3-96.8)
	Woman	218	95.9 (92.3-98.1)	363	97.5 (95.3-98.9)	77	96.1 (89.0-99.2)
10-14	Overall	779	81.0 (78.1-83.7)	1,117	78.6 (76.1-81.0)	336	81.8 (77.3-85.8)
	Man	422	79.6 (75.5-83.4)	644	78.7 (75.4-81.8)	183	82.5 (76.2-87.7)
	Woman	357	82.6 (78.3-86.4)	473	78.4 (74.5-82.1)	153	81.0 (73.9-86.9)
15-19	Overall	2,395	60.9 (58.9-62.9)	2,720	65.9 (64.1-67.7)	1,154	74.4 (71.8-76.9)
	Man	1,078	63.1 (60.1-66.0)	1,300	66.8 (64.1-69.3)	502	76.1 (72.1-79.8)
	Woman	1,317	59.1 (56.4-61.8)	1,420	65.1 (62.5-67.6)	652	73.2 (69.6-76.5)
20-24	Overall	6,624	48.1 (46.8-49.3)	7,633	52.5 (51.4-53.6)	3,178	58.1 (56.3-59.8)
	Man	2,099	60.6 (58.5-62.7)	2,527	65.0 (63.1-66.8)	993	71.3 (68.4-74.1)
	Woman	4,525	42.2 (40.8-43.7)	5,106	46.3 (45.0-47.7)	2,185	52.1 (50.0-54.2)
25-29	Overall	15,763	31.1 (30.4-31.8)	17,761	34.0 (33.3-34.7)	7,961	35.7 (34.6-36.7)
	Man	3,706	34.3 (32.8-35.9)	4,274	41.9 (40.4-43.4)	1,757	46.6 (44.2-48.9)
	Woman	12,057	30.1 (29.3-30.9)	13,487	31.4 (30.7-32.2)	6,204	32.6 (31.4-33.8)
30-34	Overall	26,484	34.5 (33.9-35.1)	31,715	35.3 (34.8-35.8)	15,269	37.7 (36.9-38.4)
	Man	5,207	26.1 (24.9-27.4)	6,576	27.0 (26.0-28.1)	2,672	28.7 (27.0-30.4)
	Woman	21,277	36.5 (35.9-37.2)	25,139	37.5 (36.9-38.1)	12,597	39.6 (38.7-40.4)
35-39	Overall	22,273	37.4 (36.7-38.0)	25,952	38.9 (38.3-39.5)	11,449	39.7 (38.8-40.6)
	Man	7,584	30.3 (29.3-31.3)	8,256	30.3 (29.3-31.3)	3,202	30.5 (28.9-32.1)
	Woman	14,689	41.0 (40.2-41.8)	17,696	42.9 (42.1-43.6)	8,247	43.3 (42.2-44.4)
40-44	Overall	17,717	48.8 (48.0-49.5)	19,932	46.8 (46.1-47.5)	7,753	48.0 (46.9-49.1)
	Man	8,821	46.3 (45.2-47.3)	9,388	42.9 (41.9-43.9)	3,380	43.8 (42.2-45.5)
	Woman	8,896	51.3 (50.2-52.3)	10,544	50.3 (49.3-51.2)	4,373	51.2 (49.7-52.7)
45-49	Overall	17,846	73.7 (73.1-74.4)	16,740	70.0 (69.3-70.7)	6,724	68.4 (67.2-69.5)
	Man	9,408	72.9 (72.0-73.8)	8,335	68.7 (67.7-69.7)	3,122	67.2 (65.6-68.9)
	Woman	8,438	74.7 (73.7-75.6)	8,405	71.3 (70.3-72.2)	3,602	69.3 (67.8-70.8)
50-54	Overall	15,047	90.0 (89.5-90.5)	16,563	87.7 (87.2-88.2)	6,915	86.2 (85.4-87.0)
	Man	8,130	89.6 (88.9-90.3)	8,007	87.0 (86.3-87.8)	3,227	84.5 (83.2-85.8)
	Woman	6,917	90.4 (89.7-91.1)	8,556	88.4 (87.7-89.0)	3,688	87.7 (86.6-88.8)
55-59	Overall	12,129	96.8 (96.5-97.1)	13,380	96.1 (95.8-96.5)	6,116	95.3 (94.8-95.8)
	Man	6,424	96.5 (96.1-97.0)	6,610	95.7 (95.1-96.1)	3,011	94.9 (94.0-95.6)
	Woman	5,705	97.1 (96.7-97.5)	6,770	96.6 (96.1-97.0)	3,105	95.8 (95.0-96.5)
≥60	Overall	18,356	99.6 (99.4-99.6)	23,971	99.3 (99.2-99.4)	11,910	99.2 (99.0-99.3)
	Man	8,102	99.5 (99.3-99.6)	10,529	99.2 (99.0-99.4)	5,231	99.0 (98.7-99.3)
	Woman	10,254	99.6 (99.4-99.7)	13,442	99.3 (99.2-99.5)	6,679	99.3 (99.1-99.5)

CI, confidence interval.