

Table A.2. Percentage of records in each case group that had specific Primary ICD-9 codes, by visit type overall and by age group.*

ICD-9 Code	Interpretation	Overall				Age 0-1 years				Age 2-18 years				Age 19-64 years				Age ≥65 years			
		ED	All HA	Non-elective HA	HA through ED	ED	All HA	Non-elective HA	HA through ED	ED	All HA	Non-elective HA	HA through ED	ED	All HA	Non-elective HA	HA through ED	ED	All HA	Non-elective HA	HA through ED
RD (Overall N)		614944	112676	98405	92999	94203	10202	9034	8311	184092	12846	11671	10633	268446	38067	32394	30467	68201	51560	45305	43587
461.9	Acute sinusitis, unspecified site (%)	6.85	0.17	0.15	0.14	0.99	0.04	0.04	0.05	3.89	0.18	0.15	0.13	12.23	0.30	0.29	0.25	1.71	0.09	0.08	0.08
462	Acute pharyngitis (%)	14.87	0.36	0.36	0.34	3.82	0.14	0.14	0.16	22.09	0.72	0.74	0.67	17.10	0.71	0.71	0.70	1.83	0.04	0.05	0.05
464.4	Croup (%)	2.45	0.40	0.42	0.43	7.16	2.97	3.07	3.32	4.51	1.12	1.17	1.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
465.9	Acute upper respiratory infection, unspecified site (%)	19.81	1.40	1.42	1.41	42.30	5.73	6.27	6.24	20.89	2.06	2.16	2.10	15.04	1.19	1.06	1.10	4.59	0.54	0.52	0.53
466.0	Acute bronchitis (%)	8.56	2.33	2.31	2.27	1.58	0.51	0.45	0.40	3.93	0.36	0.34	0.33	14.35	3.34	3.36	3.26	7.95	2.44	2.43	2.40
466.11	Acute bronchiolitis due to respiratory syncytial virus (RSV) (%)	1.05	2.97	3.04	2.90	6.39	30.27	30.42	29.94	0.23	1.99	2.04	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466.19	Acute bronchiolitis due to other infectious organisms (%)	1.88	1.32	1.28	1.21	11.27	13.52	12.92	12.48	0.42	0.68	0.62	0.63	0.06	0.05	0.04	0.04	0.03	0.02	0.01	0.01
486	Pneumonia, organism unspecified (%)	14.37	45.10	45.05	45.66	10.34	20.11	19.84	20.14	9.62	28.16	26.03	25.51	11.35	42.66	42.81	43.01	44.60	56.07	56.57	57.28
491.21	Obstructive chronic bronchitis, with (acute) exacerbation (%)	3.73	15.40	15.19	15.23	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	3.43	15.85	15.73	15.73	20.09	21.94	21.73	21.51
493.01	Extrinsic asthma, with status asthmaticus (%)	0.15	0.71	0.78	0.85	0.07	0.51	0.55	0.67	0.43	5.36	5.77	6.48	0.02	0.14	0.15	0.13	0.00	0.00	0.00	0.00
493.02	Extrinsic asthma, with (acute) exacerbation (%)	1.57	1.52	1.60	1.67	1.54	2.45	2.59	2.82	4.13	8.26	8.57	9.40	0.21	0.99	1.01	1.01	0.02	0.04	0.03	0.03
493.22	Chronic obstructive asthma, with (acute) exacerbation (%)	0.67	3.49	3.52	1.79	0.00	0.01	0.00	0.00	0.01	0.05	0.05	0.05	0.93	6.11	6.24	6.32	2.33	3.10	3.17	3.12
493.90	Asthma, unspecified type, unspecified exacerbation status (%)	4.95	0.93	0.86	0.81	3.20	1.62	1.51	1.38	6.79	1.50	1.39	1.34	5.21	1.36	1.25	1.21	1.34	0.33	0.31	0.29
493.91	Asthma, unspecified type, with status asthmaticus (%)	0.83	3.96	4.40	4.43	0.73	6.24	6.85	7.22	1.97	25.76	27.97	29.17	0.27	1.28	1.29	1.29	0.05	0.06	0.06	0.05
493.92	Asthma, unspecified, with (acute) exacerbation (%)	8.06	6.58	6.53	6.56	3.34	4.17	4.13	3.95	10.73	11.40	10.93	10.78	9.37	12.76	12.97	13.41	2.23	1.29	1.26	1.24
Asthma/Wheeze (Overall N)		111000	20537	18436	17584	12236	1812	1651	1565	49978	7095	6724	6426	44400	8955	7711	7394	4386	2675	2350	2199
493.00	Extrinsic asthma, unspecified exacerbation status (%)	4.53	0.67	0.67	0.64	13.44	3.26	3.33	3.32	6.16	0.75	0.73	0.67	0.66	0.20	0.19	0.18	0.32	0.30	0.21	0.18
493.01	Extrinsic asthma, with status asthmaticus (%)	0.82	3.88	4.18	4.47	0.51	2.87	3.03	3.58	1.60	9.70	10.01	10.72	0.11	0.61	0.61	0.55	0.00	0.04	0.00	0.00
493.02	Extrinsic asthma, with (acute) exacerbation (%)	8.72	8.32	8.55	8.86	11.96	13.80	14.17	14.95	15.29	14.95	14.87	15.59	1.26	4.20	4.25	4.17	0.39	0.79	0.60	0.64
493.22	Chronic obstructive asthma, with (acute) exacerbation (%)	3.72	19.15	18.79	18.77	0.01	0.06	0.00	0.00	0.03	0.10	0.09	0.08	5.66	25.96	26.21	26.16	36.30	59.81	61.15	61.89
493.90	Asthma, unspecified type, unspecified exacerbation status (%)	27.50	5.09	4.58	4.32	24.78	9.11	8.24	7.41	25.09	2.72	2.41	2.23	31.61	5.77	5.24	5.02	20.88	6.36	6.09	5.87
493.91	Asthma, unspecified type, with status asthmaticus (%)	4.59	21.76	23.48	23.50	5.62	35.21	37.55	38.40	7.30	46.64	48.54	48.46	1.64	5.45	5.42	5.33	0.73	1.23	1.11	1.05
493.92	Asthma, unspecified type, with (acute) exacerbation (%)	44.79	36.09	34.86	34.74	25.78	23.45	22.59	21.02	39.64	20.65	18.98	17.86	56.83	54.26	54.52	55.33	34.66	24.79	24.38	24.60
786.07	Wheezing (%)	3.85	1.42	1.26	1.27	16.68	8.77	7.45	7.54	3.72	1.76	1.55	1.57	0.73	0.04	0.03	0.03	1.12	0.15	0.13	0.14
Pneumonia (Overall N)		98140	59681	51981	49489	11178	2891	2501	2327	19455	4513	3818	3304	33193	18827	16072	15143	34313	33449	29589	28714
486	Pneumonia, organism unspecified (%)	90.31	85.17	85.30	85.87	87.52	71.01	71.69	72.15	91.47	80.19	79.60	82.42	92.16	86.26	86.29	86.59	88.77	86.45	86.64	86.99
480.1	Pneumonia due to respiratory syncytial virus (%)	0.64	1.00	0.95	0.88	4.31	14.84	14.15	13.67	0.68	3.15	3.20	3.18	0.02	0.08	0.05	0.04	0.02	0.03	0.03	0.03
480.9	Viral pneumonia, unspecified (%)	0.96	1.15	1.12	1.07	3.23	7.71	7.44	7.56	1.50	3.28	3.35	3.57	0.51	0.90	0.94	0.85	0.34	0.43	0.39	0.38
CVD (Overall N)		210250	248810	176059	155089	406	196	153	125	1054	393	294	229	80895	90262	61416	53021	12789	15795	11419	101713
410.71	Subendocardial infarction, initial episode of care (%)	8.13	7.86	10.13	10.90	0.00	0.00	0.00	0.00	0.19	0.76	1.02	0.87	6.77	7.13	9.38	10.14	9.08	8.30	10.57	11.34
414.01	Coronary atherosclerosis, of native coronary artery (%)	10.36	21.18	14.48	11.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20	27.40	19.95	16.36	8.68	17.71	11.60	9.24
427.0	Paroxysmal supraventricular tachycardia (%)	1.49	0.62	0.75	0.80	2.96	9.69	9.15	8.00	6.07	2.80	3.40	4.37	2.55	0.84	1.02	1.11	0.78	0.48	0.59	0.61
427.31	Atrial fibrillation (%)	6.99	6.11	6.67	6.64	0.00	0.00	0.00	0.00	3.13	6.87	8.16	9.17	6.68	5.64	6.39	6.54	7.24	6.38	6.83	6.69
427.5	Cardiac arrest (%)	3.66	0.16	0.21	0.22	43.35	7.14	8.50	10.40	14.23	2.54	2.72	3.49	4.14	0.16	0.22	0.24	3.14	0.14	0.19	0.20
427.89	Other specified cardiac dysrhythmias, other (%)	4.14	2.20	2.49	2.66	22.17	21.43	25.49	28.80	40.32	24.94	17.69	18.34	5.05	1.97	2.23	2.40	3.21	2.25	2.57	2.72
427.9	Cardiac dysrhythmia, unspecified (%)	0.36	0.07	0.09	0.09	2.22	0.00	0.00	0.00	5.50	1.53	1.70	1.31	0.46	0.07	0.09	0.09	0.24	0.07	0.09	0.09
428.0	Congestive heart failure, unspecified type (%)	23.30	21.11	24.72	26.07	17.00	47.96	43.79	42.40	3.98	13.74	14.63	9.61	17.72	16.26	19.13	20.53	27.01	23.87	27.72	28.97
434.91	Cerebral artery occlusion, unspecified, with cerebral infarction (%)	6.92	6.17	8.02	8.93	1.23	3.06	3.92	4.00	1.33	3.05	4.08	5.24	5.49	5.10	6.86	7.82	7.89	6.79	8.66	9.52
435.9	Unspecified transient cerebral ischemia (%)	5.83	3.08	4.02	4.51	0.00	0.00	0.00	0.00	0.66	1.02	1.36	1.75	4.78	2.62	3.54	4.03	6.56	3.35	4.29	4.77
443.89	Other specified peripheral vascular diseases (%)	0.05	0.05	0.02	0.02	5.91	0.51	0.65	0.80	0.28	0.00	0.00	0.00	0.04	0.06	0.02	0.02	0.03	0.05	0.02	0.02
453.8	Venous embolism and thrombosis of other specified veins (%)	1.91	2.13	1.88	1.62	0.99	2.04	1.31	0.80	3.61	7.89	7.82	8.30	2.69	2.95	2.67	2.40	1.40	1.64	1.43	1.21
Dysrhythmia (Overall N)		43449	33449	25183	22261	290	80	70	59	792	195	131	106	18467	10810	8094	7206	23897	22364	16888	14890
427.0	Paroxysmal supraventricular tachycardia (%)	7.22	4.63	5.27	5.55	4.14	23.75	20.00	16.95	8.08	5.64	7.63	9.43	11.18	7.01	7.76	8.19	4.17	3.41	3.99	4.20
427.1	Paroxysmal ventricular tachycardia (%)	3.98	8.14	6.54	6.43	0.00	0.00	0.00	0.00	1.14	5.13	5.34	3.77	4.04	10.16	8.08	8.03	4.08	7.22	5.84	5.70
427.31	Atrial fibrillation (%)	33.85	45.48	46.69	46.26	0.00	0.00	0.00	0.00	4.17	13.85	18.32	19.81	29.28	47.17	48.54	48.11	38.77	45.10	46.22	45.74
427.32	Atrial flutter (%)	4.03	6.36	6.27	6.08	0.00	1.25	1.43	0.00	1.64	9.74	9.92	8.49	4.04	7.81	7.56	7.27	4.16	5.65	5.64	5.51
427.5	Cardiac arrest (%)	17.74	1.17	1.47	1.56	60.69	17.50	18.57	22.03	19.07	5.13	6.11	7.55	18.18	1.34	1.64	1.76	16.82	1.00	1.27	1.34
427.81	Sinoatrial node dysfunction (%)	6.16	14.40	12.55	11.73	0.00	0.00	0.00	0.00	0.38	3.08	3.05	1								