

**Table S1. Association Between Hospital Admission and Patient-, Encounter-, and Facility-Level Characteristics by Emergency Care-Sensitive Condition, Overall and by Age Group**

**Table S1a. Chronic Obstructive Pulmonary Disease**

	n = 160,232 visits		n = 48,126 visits		n = 112,106 visits	
	Overall		<65		≥65	
Characteristic	AOR (95%CI)	P value	AOR (95%CI)	P value	AOR (95%CI)	P value
Male	0.88 (0.83-0.93)	<.001	0.90 (0.83-0.97)	0.01	0.86 (0.78-0.94)	<.001
Age	1.02 (1.02-1.02)	<.001	1.02 (1.01-1.02)	<.001	1.02 (1.01-1.02)	<.001
SC disability rating						
No SC	1.16 (1.12-1.20)	<.001	1.19 (1.10-1.29)	<.001	1.15 (1.11-1.20)	<.001
0-49%	1.03 (0.99-1.08)	0.15	1.06 (0.97-1.15)	0.23	1.03 (0.98-1.08)	0.22
50-99%	0.95 (0.91-0.99)	0.01	0.97 (0.88-1.06)	0.44	0.95 (0.91-0.99)	0.02
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.19 (1.18-1.19)	<.001	1.19 (1.18-1.20)	<.001	1.19 (1.18-1.19)	<.001
ESI score						
1 (most urgent)	23.72 (17.23-32.66)	<.001	23.15 (12.87-41.66)	<.001	22.55 (15.50-32.80)	<.001
2	3.61 (3.51-3.71)	<.001	3.87 (3.67-4.08)	<.001	3.49 (3.38-3.61)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.07 (0.06-0.08)	<.001	0.07 (0.06-0.08)	<.001	0.07 (0.06-0.08)	<.001
5 (least urgent)	0.08 (0.06-0.10)	<.001	0.05 (0.03-0.08)	<.001	0.10 (0.08-0.13)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.79 (0.64-0.99)	0.04	0.81 (0.65-1.02)	0.07	0.81 (0.65-1.01)	0.06
1c	0.76 (0.60-0.97)	0.03	0.84 (0.66-1.08)	0.17	0.75 (0.59-0.96)	0.02
2	0.86 (0.59-1.25)	0.43	0.98 (0.66-1.44)	0.90	0.86 (0.59-1.25)	0.44
3 (least complex)	0.59 (0.33-1.06)	0.08	0.64 (0.35-1.18)	0.15	0.58 (0.32-1.05)	0.07
Facility ED volume, FY19						
≤10,000	1.11 (0.71-1.75)	0.65	1.19 (0.75-1.90)	0.46	1.05 (0.67-1.66)	0.83
10,001-20,000	0.83 (0.60-1.14)	0.25	0.85 (0.61-1.18)	0.34	0.83 (0.60-1.15)	0.25
20,001-30,000	0.86 (0.65-1.15)	0.31	0.90 (0.67-1.21)	0.49	0.85 (0.63-1.14)	0.27
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	0.88 (0.73-1.07)	0.19	0.88 (0.72-1.08)	0.22	0.87 (0.71-1.05)	0.15
Rural facility	0.74 (0.54-1.02)	0.06	0.72 (0.51-1.00)	0.05	0.77 (0.56-1.05)	0.10
Region						
Northeast	1.54 (1.16-2.04)	<.01	1.49 (1.11-2.00)	<.01	1.53 (1.15-2.04)	<.01
South	1.16 (0.93-1.45)	0.19	1.17 (0.93-1.48)	0.17	1.15 (0.92-1.44)	0.23
Midwest	1.14 (0.90-1.46)	0.28	1.14 (0.88-1.46)	0.33	1.15 (0.90-1.48)	0.26
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1b. Heart Failure**

	<b>n = 98,118 visits</b>		<b>n = 23,217 visits</b>		<b>n = 74,901 visits</b>	
	<b>Overall</b>		<b>&lt;65</b>		<b>&gt;65</b>	
<b>Characteristic</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>
Male	1.06 (0.96-1.17)	0.25	1.17 (1.01-1.35)	0.03	1.00 (0.87-1.15)	0.10
Age	1.01 (1.01-1.01)	<.001	1.00 (1.00-1.01)	0.14	1.02 (1.01-1.02)	<.001
SC disability rating						
No SC	1.23 (1.18-1.28)	<.001	1.23 (1.11-1.36)	<.001	1.20 (1.14-1.25)	<.001
0-49%	1.13 (1.07-1.19)	<.001	1.10 (0.99-1.24)	0.09	1.11 (1.04-1.17)	<.01
50-99%	1.03 (0.98-1.08)	0.30	1.00 (0.89-1.12)	0.96	1.02 (0.97-1.08)	0.43
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.16 (1.16-1.17)	<.001	1.14 (1.13-1.15)	<.001	1.18 (1.17-1.18)	<.001
ESI score						
1 (most urgent)	13.24 (6.80-25.77)	<.001	8.29 (2.74-25.11)	<.001	18.36 (7.54-44.72)	<.001
2	2.21 (2.12-2.30)	<.001	1.99 (1.84-2.15)	<.001	2.29 (2.18-2.40)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.15 (0.13-0.17)	<.001	0.15 (0.12-0.18)	<.001	0.15 (0.13-0.17)	<.001
5 (least urgent)	0.07 (0.05-0.09)	<.001	0.03 (0.02-0.06)	<.001	0.10 (0.07-0.14)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.83 (0.66-1.05)	0.11	0.90 (0.71-1.13)	0.36	0.82 (0.65-1.03)	0.09
1c	0.65 (0.51-0.84)	<.001	0.72 (0.56-0.94)	0.01	0.64 (0.50-0.83)	<.001
2	0.71 (0.48-1.04)	0.08	0.86 (0.56-1.32)	0.49	0.67 (0.45-1.00)	0.05
3 (least complex)	0.50 (0.27-0.91)	0.02	0.38 (0.19-0.75)	<.01	0.51 (0.28-0.95)	0.03
Facility ED volume, FY19						
≤10,000	1.01 (0.63-1.61)	0.98	0.95 (0.58-1.58)	0.85	1.01 (0.62-1.63)	0.97
10,001-20,000	0.74 (0.53-1.04)	0.08	0.78 (0.55-1.09)	0.14	0.72 (0.51-1.01)	0.06
20,001-30,000	0.83 (0.62-1.13)	0.23	0.90 (0.66-1.21)	0.48	0.81 (0.60-1.10)	0.18
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	0.98 (0.80-1.20)	0.83	0.95 (0.77-1.17)	0.63	0.98 (0.80-1.20)	0.86
Rural facility	0.64 (0.46-0.89)	<.01	0.86 (0.59-1.27)	0.45	0.60 (0.43-0.84)	<.01
Region						
Northeast	1.71 (1.27-2.30)	<.001	1.68 (1.22-2.32)	<.01	1.75 (1.29-2.36)	<.001
South	1.08 (0.86-1.37)	0.50	1.07 (0.84-1.36)	0.61	1.09 (0.86-1.38)	0.48
Midwest	1.19 (0.92-1.54)	0.18	1.06 (0.81-1.38)	0.69	1.25 (0.96-1.62)	0.0947
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1c. Pneumonia**

	<b>n = 89,032 visits</b>		<b>n = 28,289 visits</b>		<b>n = 60,743 visits</b>	
	<b>Overall</b>		<b>&lt;65</b>		<b>&gt;65</b>	
<b>Characteristic</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>
Male	1.11 (1.03-1.20)	<.01	1.15 (1.05-1.26)	<.01	1.11 (0.97-1.28)	0.12
Age	1.03 (1.03-1.03)	<.001	1.02 (1.02-1.02)	<.001	1.04 (1.04-1.04)	<.001
SC disability rating						
No SC	1.06 (1.01-1.11)	0.02	0.99 (0.90-1.09)	0.84	1.08 (1.02-1.14)	0.01
0-49%	0.93 (0.88-0.98)	0.01	0.92 (0.83-1.02)	0.12	0.91 (0.85-0.97)	<.01
50-99%	0.84 (0.80-0.89)	<.001	0.78 (0.70-0.86)	<.001	0.85 (0.79-0.91)	<.001
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.26 (1.26-1.27)	<.001	1.29 (1.28-1.30)	<.001	1.26 (1.25-1.27)	<.001
ESI score						
1 (most urgent)	13.64 (7.57-24.58)	<.001	14.57 (5.29-40.15)	<.001	17.16 (7.63-38.62)	<.001
2	3.62 (3.46-3.80)	<.001	3.48 (3.21-3.76)	<.001	3.71 (3.50-3.94)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.08 (0.07-0.08)	<.001	0.08 (0.07-0.09)	<.001	0.08 (0.07-0.08)	<.001
5 (least urgent)	0.12 (0.09-0.15)	<.001	0.10 (0.06-0.16)	<.001	0.12 (0.09-0.17)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.84 (0.67-1.04)	0.11	0.82 (0.66-1.02)	0.08	0.87 (0.69-1.09)	0.22
1c	0.83 (0.66-1.06)	0.13	0.83 (0.65-1.06)	0.13	0.83 (0.65-1.06)	0.13
2	0.86 (0.60-1.25)	0.44	0.78 (0.53-1.15)	0.21	0.89 (0.61-1.31)	0.56
3 (least complex)	0.69 (0.39-1.23)	0.21	0.75 (0.40-1.38)	0.35	0.68 (0.37-1.23)	0.20
Facility ED volume, FY19						
<10,000	0.95 (0.61-1.49)	0.81	1.01 (0.64-1.61)	0.96	0.98 (0.61-1.56)	0.93
10,001-20,000	0.87 (0.63-1.19)	0.38	0.97 (0.70-1.35)	0.87	0.88 (0.63-1.22)	0.43
20,001-30,000	0.86 (0.65-1.15)	0.32	0.90 (0.67-1.20)	0.45	0.89 (0.66-1.19)	0.43
≥30,001	1 [Reference]	NA	1 [Reference]		1 [Reference]	NA
Non-teaching facility	1.03 (0.85-1.24)	0.79	1.10 (0.91-1.35)	0.32	1.01 (0.83-1.23)	0.92
Rural facility	0.77 (0.56-1.05)	0.10	0.73 (0.52-1.02)	0.07	0.81 (0.58-1.12)	0.20
Region						
Northeast	1.89 (1.43-2.51)	<.001	1.64 (1.22-2.20)	<.01	2.13 (1.59-2.85)	<.001
South	1.20 (0.96-1.49)	0.11	1.07 (0.86-1.35)	0.54	1.31 (1.04-1.65)	0.02
Midwest	1.09 (0.85-1.39)	0.50	1.06 (0.82-1.36)	0.68	1.15 (0.89-1.48)	0.28
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1d. Volume Depletion**

	<b>n = 73,806 visits</b>		<b>n = 30,272 visits</b>		<b>n = 43,534 visits</b>	
	<b>Overall</b>		<b>&lt;65</b>		<b>&gt;65</b>	
<b>Characteristic</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>
Male	1.17 (1.10-1.26)	<.001	1.24 (1.14-1.35)	<.001	1.09 (0.96-1.25)	0.19
Age	1.02 (1.02-1.02)	<.001	1.01 (1.01-1.01)	<.001	1.02 (1.02-1.03)	<.001
SC disability rating						
No SC	1.18 (1.12-1.24)	<.001	1.06 (0.97-1.15)	0.23	1.22 (1.15-1.29)	<.001
0-49%	1.03 (0.98-1.09)	0.24	0.94 (0.85-1.03)	0.19	1.06 (0.99-1.14)	0.09
50-99%	0.94 (0.89-1.00)	0.04	0.89 (0.81-0.97)	0.01	0.94 (0.88-1.01)	0.07
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.22 (1.21-1.22)	<.001	1.25 (1.24-1.26)	<.001	1.20 (1.20-1.21)	<.001
ESI score						
1 (most urgent)	5.33 (3.45-8.23)	<.001	5.17 (2.61-10.23)	<.001	5.99 (3.33-10.77)	<.001
2	1.87 (1.79-1.95)	<.001	2.27 (2.12-2.43)	<.001	1.66 (1.57-1.75)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.28 (0.25-0.32)	<.001	0.28 (0.23-0.34)	<.001	0.30 (0.25-0.35)	<.001
5 (least urgent)	0.26 (0.14-0.50)	<.001	0.04 (0.01-0.32)	<.01	0.46 (0.22-0.94)	0.03
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]		1 [Reference]	NA
1b	0.73 (0.57-0.92)	<.01	0.82 (0.65-1.05)	0.12	0.73 (0.58-0.93)	0.01
1c	0.74 (0.57-0.96)	0.02	0.86 (0.66-1.12)	0.26	0.75 (0.58-0.97)	0.03
2	0.85 (0.57-1.28)	0.44	1.04 (0.68-1.60)	0.84	0.92 (0.61-1.38)	0.68
3 (least complex)	0.64 (0.34-1.21)	0.17	0.91 (0.47-1.78)	0.79	0.62 (0.33-1.18)	0.14
Facility ED volume, FY19						
≤10,000	1.11 (0.68-1.81)	0.69	1.03 (0.62-1.71)	0.90	1.02 (0.62-1.68)	0.93
10,001-20,000	0.94 (0.67-1.34)	0.74	0.96 (0.67-1.37)	0.83	0.92 (0.64-1.30)	0.62
20,001-30,000	1.01 (0.74-1.37)	0.98	0.97 (0.71-1.32)	0.83	1.05 (0.76-1.43)	0.78
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	1.13 (0.91-1.39)	0.26	1.09 (0.88-1.35)	0.45	1.07 (0.86-1.32)	0.54
Rural facility	0.87 (0.62-1.23)	0.43	0.92 (0.64-1.33)	0.66	0.89 (0.63-1.27)	0.52
Region						
Northeast	2.08 (1.53-2.82)	<.001	1.83 (1.33-2.51)	<.001	2.12 (1.56-2.90)	<.001
South	1.52 (1.20-1.94)	<.001	1.53 (1.19-1.96)	<.001	1.56 (1.22-1.99)	<.001
Midwest	1.44 (1.10-1.88)	<.01	1.51 (1.14-1.98)	<.01	1.41 (1.08-1.85)	0.01
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1e. Other Tachyarrhythmias**

	n = 55,966		n = 15,077 visits		n = 40,889 visits	
	Overall		<65		>65	
Characteristic	AOR (95%CI)	P value	AOR (95%CI)	P value	AOR (95%CI)	P value
Male	1.36 (1.22-1.50)	<.001	1.65 (1.43-1.92)	<.001	1.13 (0.97-1.31)	0.12
Age	1.01 (1.00-1.01)	<.001	1.00 (1.00-1.01)	0.67	1.01 (1.01-1.02)	<.001
SC disability rating						
No SC	1.27 (1.20-1.35)	<.001	1.45 (1.27-1.65)	<.001	1.19 (1.11-1.28)	<.001
0-49%	1.10 (1.03-1.18)	<.01	1.26 (1.10-1.45)	<.01	1.03 (0.95-1.12)	0.43
50-99%	0.99 (0.93-1.06)	0.83	1.05 (0.91-1.21)	0.55	0.97 (0.90-1.05)	0.50
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.19 (1.18-1.20)	<.001	1.20 (1.18-1.21)	<.001	1.19 (1.18-1.20)	<.001
ESI score						
1 (most urgent)	5.29 (3.97-7.04)	<.001	3.10 (2.07-4.63)	<.001	8.23 (5.38-12.59)	<.001
2	2.32 (2.22-2.42)	<.001	2.14 (1.98-2.31)	<.001	2.39 (2.27-2.51)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.09 (0.08-0.11)	<.001	0.07 (0.05-0.10)	<.001	0.10 (0.09-0.12)	<.001
5 (least urgent)	0.04 (0.03-0.06)	<.001	0.05 (0.03-0.09)	<.001	0.04 (0.03-0.06)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.97 (0.78-1.22)	0.82	1.00 (0.79-1.26)	0.99	0.97 (0.77-1.22)	0.77
1c	0.88 (0.69-1.13)	0.31	0.91 (0.71-1.18)	0.48	0.87 (0.68-1.12)	0.29
2	0.89 (0.60-1.30)	0.54	0.82 (0.54-1.25)	0.35	0.91 (0.61-1.35)	0.62
3 (least complex)	0.58 (0.31-1.06)	0.08	0.53 (0.27-1.03)	0.06	0.59 (0.31-1.10)	0.10
Facility ED volume, FY19						
≤10,000	1.17 (0.73-1.87)	0.52	1.28 (0.77-2.10)	0.34	1.14 (0.71-1.85)	0.58
10,001-20,000	0.83 (0.59-1.16)	0.27	0.83 (0.59-1.16)	0.27	0.84 (0.60-1.18)	0.31
20,001-30,000	0.99 (0.73-1.33)	0.92	0.94 (0.70-1.27)	0.69	1.03 (0.76-1.39)	0.87
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	0.98 (0.80-1.20)	0.85	0.99 (0.80-1.22)	0.90	0.99 (0.81-1.21)	0.90
Rural facility	0.79 (0.57-1.10)	0.16	0.93 (0.65-1.33)	0.68	0.75 (0.54-1.05)	0.09
Region						
Northeast	1.79 (1.33-2.40)	<.001	1.83 (1.34-2.50)	<.001	1.77 (1.31-2.39)	<.001
South	1.38 (1.10-1.74)	<.01	1.46 (1.15-1.85)	<.01	1.37 (1.08-1.74)	<.01
Midwest	1.32 (1.03-1.70)	0.03	1.31 (1.00-1.70)	0.05	1.34 (1.03-1.73)	0.03
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1f. Diabetes Mellitus-Acute**

	n = 51,047 visits		n = 27,314 visits		n = 23,733 visits	
	Overall		<65		>65	
Characteristic	AOR (95%CI)	P value	AOR (95%CI)	P value	AOR (95%CI)	P value
Male	1.30 (1.19-1.43)	<.001	1.30 (1.17-1.44)	<.001	1.28 (1.05-1.56)	0.02
Age	1.00 (1.00-1.00)	0.57	0.99 (0.98-0.99)	<.001	1.01 (1.01-1.02)	<.001
SC disability rating						
No SC	1.20 (1.14-1.28)	<.001	1.26 (1.15-1.38)	<.001	1.20 (1.11-1.30)	<.001
0-49%	1.09 (1.02-1.17)	0.01	1.13 (1.02-1.25)	0.019	1.09 (0.99-1.21)	0.08
50-99%	0.95 (0.89-1.02)	0.15	0.94 (0.85-1.03)	0.18	0.97 (0.89-1.06)	0.54
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.20 (1.19-1.21)	<.001	1.21 (1.20-1.22)	<.001	1.20 (1.19-1.21)	<.001
ESI score						
1 (most urgent)	9.00 (5.77-14.06)	<.001	11.34 (5.95-21.64)	<.001	7.22 (3.89-13.41)	<.001
2	3.21 (3.04-3.39)	<.001	3.62 (3.37-3.90)	<.001	2.72 (2.51-2.95)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.13 (0.12-0.15)	<.001	0.15 (0.13-0.17)	<.001	0.12 (0.11-0.15)	<.001
5 (least urgent)	0.06 (0.04-0.08)	<.001	0.05 (0.03-0.09)	<.001	0.07 (0.04-0.11)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.88 (0.72-1.07)	0.19	0.94 (0.77-1.14)	0.52	0.83 (0.67-1.02)	0.07
1c	0.83 (0.67-1.02)	0.07	0.84 (0.68-1.04)	0.11	0.81 (0.65-1.01)	0.06
2	0.95 (0.68-1.32)	0.74	0.96 (0.67-1.37)	0.82	0.95 (0.66-1.36)	0.76
3 (least complex)	0.82 (0.48-1.40)	0.46	0.85 (0.48-1.52)	0.58	0.81 (0.45-1.45)	0.48
Facility ED volume, FY19						
<10,000	1.09 (0.73-1.63)	0.68	1.12 (0.74-1.70)	0.58	0.98 (0.64-1.51)	0.94
10,001-20,000	0.95 (0.72-1.26)	0.73	0.97 (0.73-1.29)	0.84	0.89 (0.66-1.19)	0.43
20,001-30,000	1.00 (0.78-1.28)	0.98	0.98 (0.77-1.26)	0.90	0.97 (0.75-1.26)	0.82
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	0.96 (0.81-1.14)	0.66	0.97 (0.82-1.16)	0.75	0.94 (0.78-1.12)	0.49
Rural facility	1.00 (0.75-1.34)	0.99	0.99 (0.73-1.35)	0.96	0.99 (0.73-1.35)	0.96
Region						
Northeast	1.26 (0.98-1.63)	0.07	1.16 (0.89-1.51)	0.29	1.36 (1.04-1.78)	0.03
South	1.10 (0.90-1.34)	0.34	1.09 (0.89-1.33)	0.43	1.13 (0.91-1.39)	0.26
Midwest	1.24 (0.99-1.54)	0.06	1.24 (0.99-1.55)	0.07	1.25 (0.99-1.58)	0.06
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1g. Gastrointestinal Bleed**

	n = 39,898 visits		n = 15,451 visits		n = 24,425 visits	
	Overall		<65		>65	
Characteristic	AOR (95%CI)	P value	AOR (95%CI)	P value	AOR (95%CI)	P value
Male	1.17 (1.04-1.31)	<.01	1.10 (0.96-1.25)	0.18	1.31 (1.04-1.63)	0.02
Age	1.03 (1.03-1.03)	<.001	1.02 (1.02-1.03)	<.001	1.02 (1.02-1.03)	<.001
SC disability rating						
No SC	1.32 (1.22-1.42)	<.001	1.50 (1.31-1.71)	<.001	1.25 (1.13-1.39)	<.001
0-49%	1.23 (1.13-1.35)	<.001	1.40 (1.21-1.61)	<.001	1.15 (1.02-1.30)	0.02
50-99%	1.02 (0.93-1.11)	0.73	1.04 (0.90-1.19)	0.61	1.04 (0.93-1.16)	0.52
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.28 (1.27-1.29)	<.001	1.33 (1.31-1.35)	<.001	1.25 (1.23-1.26)	<.001
ESI score						
1 (most urgent)	34.68 (9.31-129.16)	<.001	311.4 (1.43-999.99)	0.04	17.74 (4.59-68.58)	<.001
2	4.95 (4.55-5.39)	<.001	5.18 (4.56-5.88)	<.001	4.62 (4.12-5.18)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.15 (0.12-0.19)	<.001	0.14 (0.10-0.20)	<.001	0.17 (0.13-0.22)	<.001
5 (least urgent)	0.17 (0.09-0.32)	<.001	0.26 (0.10-0.72)	<.01	0.13 (0.06-0.30)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.96 (0.76-1.20)	0.70	0.90 (0.70-1.16)	0.41	1.00 (0.79-1.27)	0.99
1c	0.72 (0.56-0.93)	0.01	0.79 (0.60-1.05)	0.11	0.66 (0.51-0.85)	<.01
2	0.64 (0.43-0.95)	0.03	0.62 (0.39-0.98)	0.04	0.62 (0.41-0.94)	0.02
3 (least complex)	0.61 (0.32-1.14)	0.12	0.56 (0.26-1.21)	0.14	0.67 (0.35-1.29)	0.23
Facility ED volume, FY19						
≤10,000	1.46 (0.90-2.35)	0.12	1.58 (0.91-2.72)	0.10	1.45 (0.88-2.39)	0.15
10,001-20,000	1.17 (0.84-1.64)	0.35	1.13 (0.78-1.63)	0.52	1.22 (0.86-1.73)	0.26
20,001-30,000	1.11 (0.82-1.49)	0.50	1.05 (0.76-1.45)	0.77	1.16 (0.86-1.58)	0.34
≥30,001	1 [Reference]	NA	1 [Reference]		1 [Reference]	NA
Non-teaching facility	1.00 (0.82-1.23)	0.98	1.03 (0.82-1.30)	0.78	0.98 (0.80-1.21)	0.86
Rural facility	0.76 (0.54-1.07)	0.12	0.81 (0.53-1.25)	0.35	0.71 (0.50-1.03)	0.07
Region						
Northeast	1.19 (0.88-1.60)	0.26	1.11 (0.79-1.56)	0.54	1.29 (0.95-1.77)	0.11
South	1.04 (0.83-1.32)	0.73	1.00 (0.77-1.30)	0.98	1.11 (0.87-1.42)	0.40
Midwest	1.02 (0.79-1.32)	0.89	1.00 (0.75-1.34)	0.99	1.07 (0.82-1.41)	0.61
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1h. Asthma**

	<b>n = 31,541 visits</b>		<b>n = 23,881 visits</b>		<b>n = 7,536 visits</b>	
	<b>Overall</b>		<b>&lt;65</b>		<b>&gt;65</b>	
<b>Characteristic</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>
Male	0.73 (0.67-0.81)	<.001	0.73 (0.66-0.81)	<.001	0.77 (0.61-0.96)	0.02
Age	1.01 (1.01-1.01)	<.001	1.01 (1.00-1.01)	<.01	1.02 (1.01-1.03)	<.001
SC disability rating						
No SC	1.15 (1.02-1.30)	0.02	1.07 (0.93-1.25)	0.35	1.43 (1.15-1.78)	<.01
0-49%	0.95 (0.83-1.09)	0.47	0.90 (0.77-1.06)	0.19	1.17 (0.90-1.51)	0.24
50-99%	0.92 (0.82-1.04)	0.20	0.83 (0.71-0.95)	<.01	1.21 (0.97-1.53)	0.10
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.22 (1.21-1.24)	<.001	1.21 (1.19-1.23)	<.001	1.25 (1.22-1.28)	<.001
ESI score						
1 (most urgent)	13.88 (5.87-32.83)	<.001	12.04 (4.36-33.30)	<.001	22.25 (4.00-123.77)	<.001
2	4.01 (3.64-4.41)	<.001	4.09 (3.65-4.58)	<.001	3.70 (3.10-4.40)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.08 (0.06-0.10)	<.001	0.07 (0.06-0.09)	<.001	0.09 (0.06-0.13)	<.001
5 (least urgent)	0.11 (0.07-0.19)	<.001	0.14 (0.08-0.24)	<.001	0.03 (0.01-0.23)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.83 (0.64-1.07)	0.15	0.90 (0.69-1.17)	0.44	0.76 (0.55-1.04)	0.08
1c	0.97 (0.73-1.29)	0.84	1.05 (0.78-1.42)	0.76	0.88 (0.61-1.25)	0.47
2	1.15 (0.71-1.84)	0.57	1.20 (0.72-2.00)	0.49	1.18 (0.57-2.45)	0.65
3 (least complex)	0.82 (0.38-1.74)	0.60	0.95 (0.41-2.20)	0.91	0.74 (0.27-2.02)	0.55
Facility ED volume, FY19						
≤10,000	0.80 (0.46-1.38)	0.42	0.75 (0.42-1.34)	0.32	0.88 (0.39-1.98)	0.76
10,001-20,000	0.66 (0.46-0.96)	0.03	0.65 (0.45-0.96)	0.03	0.63 (0.40-1.00)	0.05
20,001-30,000	0.71 (0.52-0.99)	0.04	0.69 (0.50-0.96)	0.03	0.71 (0.48-1.05)	0.09
≥30,001	1 [Reference]	NA	1 [Reference]		1 [Reference]	NA
Non-teaching facility	0.83 (0.66-1.04)	0.11	0.85 (0.67-1.09)	0.20	0.75 (0.56-1.00)	0.05
Rural facility	1.01 (0.67-1.52)	0.98	1.05 (0.66-1.66)	0.84	0.90 (0.52-1.57)	0.72
Region						
Northeast	1.22 (0.87-1.70)	0.25	1.29 (0.90-1.83)	0.16	1.10 (0.74-1.66)	0.63
South	1.05 (0.81-1.37)	0.70	1.11 (0.85-1.47)	0.44	1.02 (0.74-1.40)	0.91
Midwest	1.14 (0.85-1.53)	0.39	1.23 (0.90-1.68)	0.20	1.26 (0.86-1.83)	0.24
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department



**Table S1i. Sepsis and Systemic Inflammatory Response Syndrome**

	<b>n = 30,682 visits</b>		<b>n = 9,483 visits</b>		<b>n = 20,891 visits</b>	
	<b>Overall</b>		<b>&lt;65</b>		<b>&gt;65</b>	
<b>Characteristic</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>	<b>AOR (95%CI)</b>	<b>P value</b>
Male	1.01 (0.78-1.30)	0.97	0.93 (0.68-1.26)	0.63	1.30 (0.78-2.15)	0.31
Age	1.02 (1.01-1.02)	<.001	1.01 (1.00-1.02)	0.02	1.02 (1.01-1.03)	<.001
SC disability rating						
No SC	1.06 (0.90-1.25)	0.48	1.06 (0.79-1.41)	0.72	1.06 (0.86-1.30)	0.61
0-49%	1.02 (0.84-1.24)	0.83	0.84 (0.62-1.14)	0.26	1.23 (0.94-1.61)	0.14
50-99%	1.04 (0.86-1.26)	0.68	1.05 (0.76-1.44)	0.78	1.06 (0.83-1.35)	0.66
100%	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Elixhauser comorbidity score	1.14 (1.12-1.17)	<.001	1.16 (1.12-1.20)	<.001	1.14 (1.11-1.17)	<.001
ESI score						
1 (most urgent)	1.57 (0.91-2.73)	0.11	0.84 (0.38-1.89)	0.68	2.10 (0.98-4.51)	0.06
2	2.85 (2.44-3.33)	<.001	3.09 (2.38-3.99)	<.001	2.74 (2.25-3.34)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.05 (0.04-0.06)	<.001	0.04 (0.03-0.06)	<.001	0.05 (0.03-0.06)	<.001
5 (least urgent)	0.02 (0.01-0.04)	<.001	0.02 (0.01-0.06)	<.001	0.02 (0.01-0.05)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	1.35 (0.96-1.90)	0.08	1.47 (0.97-2.23)	0.07	1.34 (0.93-1.92)	0.12
1c	1.29 (0.88-1.87)	0.19	1.38 (0.86-2.22)	0.19	1.30 (0.86-1.96)	0.21
2	1.12 (0.59-2.11)	0.73	1.33 (0.55-3.20)	0.52	1.13 (0.55-2.30)	0.74
3 (least complex)	1.13 (0.38-3.39)	0.83	0.00 (0.00-0.00)	<.01	0.92 (0.26-3.18)	0.89
Facility ED volume, FY19						
≤10,000	1.24 (0.56-2.70)	0.60	1.08 (0.32-3.60)	0.90	1.92 (0.78-4.74)	0.16
10,001-20,000	0.68 (0.41-1.12)	0.13	0.54 (0.29-1.02)	0.06	0.84 (0.48-1.44)	0.52
20,001-30,000	0.72 (0.46-1.12)	0.15	0.62 (0.36-1.05)	0.08	0.89 (0.55-1.43)	0.63
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	0.86 (0.63-1.17)	0.33	0.71 (0.48-1.06)	0.09	0.98 (0.70-1.38)	0.92
Rural facility	0.97 (0.56-1.69)	0.92	1.06 (0.41-2.77)	0.90	0.90 (0.48-1.67)	0.73
Region						
Northeast	1.03 (0.66-1.60)	0.90	0.78 (0.44-1.40)	0.41	1.03 (0.64-1.66)	0.90
South	1.18 (0.83-1.66)	0.36	1.12 (0.73-1.73)	0.61	1.13 (0.78-1.65)	0.51
Midwest	1.15 (0.78-1.70)	0.47	0.91 (0.56-1.50)	0.72	1.17 (0.76-1.79)	0.47
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department

**Table S1j. Myocardial Infarction**

	n = 21,014 visits		n = 6,399 visits		n = 14,290 visits	
	Overall		<65		>65	
Characteristic	AOR (95%CI)	P value	AOR (95%CI)	P value	AOR (95%CI)	P value
Male	1.06 (0.62-1.80)	0.84	0.61 (0.26-1.46)	0.27	1.57 (0.76-3.27)	0.23
Age	1.00 (0.99-1.01)	0.80	1.01 (0.99-1.04)	0.23	1.00 (0.98-1.01)	0.53
SC disability rating						
No SC	1.00 (0.75-1.34)	0.99	0.92 (0.49-1.70)	0.78	1.01 (0.72-1.44)	0.94
0-49%	1.24 (0.87-1.76)	0.24	1.31 (0.65-2.62)	0.45	1.19 (0.78-1.83)	0.42
50-99%	0.76 (0.55-1.05)	0.09	0.68 (0.35-1.30)	0.24	0.79 (0.54-1.16)	0.23
100%	1 [Reference]	NA	1 [Reference]		1 [Reference]	NA
Elixhauser comorbidity score	1.12 (1.08-1.15)	<.001	1.08 (1.02-1.14)	0.01	1.14 (1.09-1.18)	<.001
ESI score						
1 (most urgent)	1.05 (0.63-1.75)	0.86	0.73 (0.35-1.54)	0.41	1.40 (0.66-2.99)	0.38
2	1.89 (1.51-2.35)	<.001	1.63 (1.10-2.42)	0.01	1.88 (1.44-2.45)	<.001
3	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
4	0.03 (0.02-0.05)	<.001	0.02 (0.01-0.03)	<.001	0.05 (0.03-0.08)	<.001
5 (least urgent)	0.003 (0.001-0.006)	<.001	<0.001 (<0.001-0.07)	<.01	0.005 (0.002-0.012)	<.001
Facility complexity						
1a (most complex)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
1b	0.95 (0.67-1.34)	0.76	0.89 (0.52-1.52)	0.66	0.95 (0.65-1.40)	0.81
1c	1.33 (0.86-2.05)	0.19	1.46 (0.69-3.09)	0.33	1.20 (0.75-1.92)	0.44
2	2.31 (1.07-4.99)	0.03	2.47 (0.42-14.61)	0.32	2.08 (0.90-4.80)	0.09
3 (least complex)	0.60 (0.22-1.66)	0.33	0.86 (0.05-14.15)	0.92	0.50 (0.18-1.44)	0.20
Facility ED volume, FY19						
≤10,000	0.51 (0.22-1.18)	0.12	0.38 (0.07-2.16)	0.27	0.41 (0.16-1.02)	0.06
10,001-20,000	1.10 (0.64-1.87)	0.73	1.59 (0.69-3.67)	0.28	0.97 (0.53-1.77)	0.92
20,001-30,000	1.00 (0.64-1.55)	0.98	1.15 (0.61-2.14)	0.67	0.89 (0.54-1.46)	0.64
≥30,001	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
Non-teaching facility	1.20 (0.86-1.66)	0.29	1.64 (0.94-2.84)	0.08	1.07 (0.75-1.53)	0.73
Rural facility	0.80 (0.42-1.55)	0.51	1.02 (0.13-8.35)	0.98	0.99 (0.49-2.01)	0.99
Region						
Northeast	1.34 (0.80-2.23)	0.27	2.49 (0.87-7.14)	0.09	1.17 (0.68-2.00)	0.58
South	1.21 (0.84-1.74)	0.32	1.31 (0.74-2.31)	0.35	1.19 (0.80-1.77)	0.38
Midwest	1.23 (0.81-1.88)	0.33	0.94 (0.48-1.82)	0.85	1.37 (0.86-2.18)	0.18
West	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA

Abbreviations: AOR, adjusted odds ratio; SC, service-connected; ESI, emergency severity index; ED, emergency department