

ONLINE APPENDIXES



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**Stand-alone  
emergency departments**

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ONLINE APPENDIX

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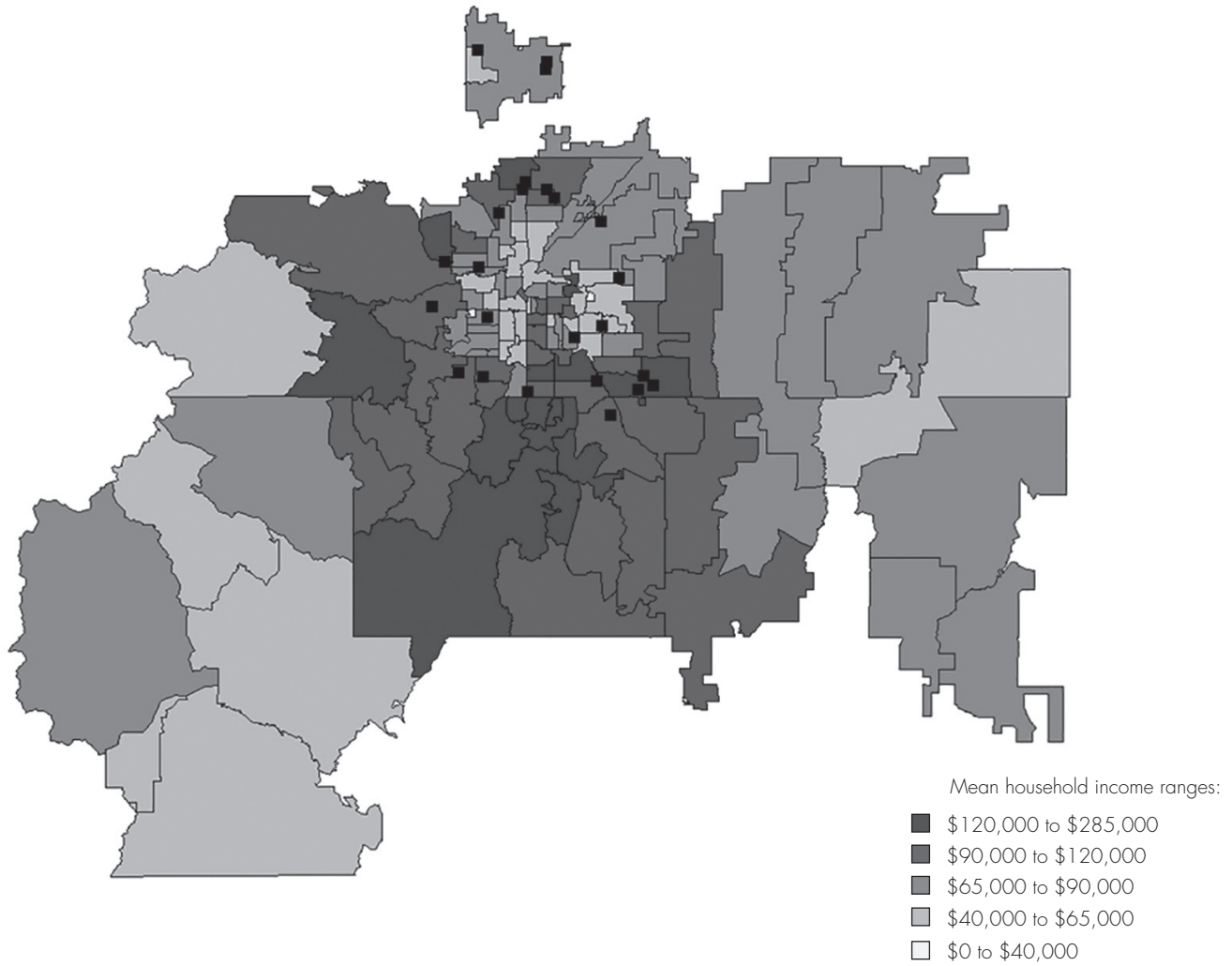
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**Metropolitan  
statistical area data**

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**FIGURE  
8-A1**

**Distribution of stand-alone EDs in the metropolitan statistical area  
of Denver, Colorado, by ZIP code and mean income**

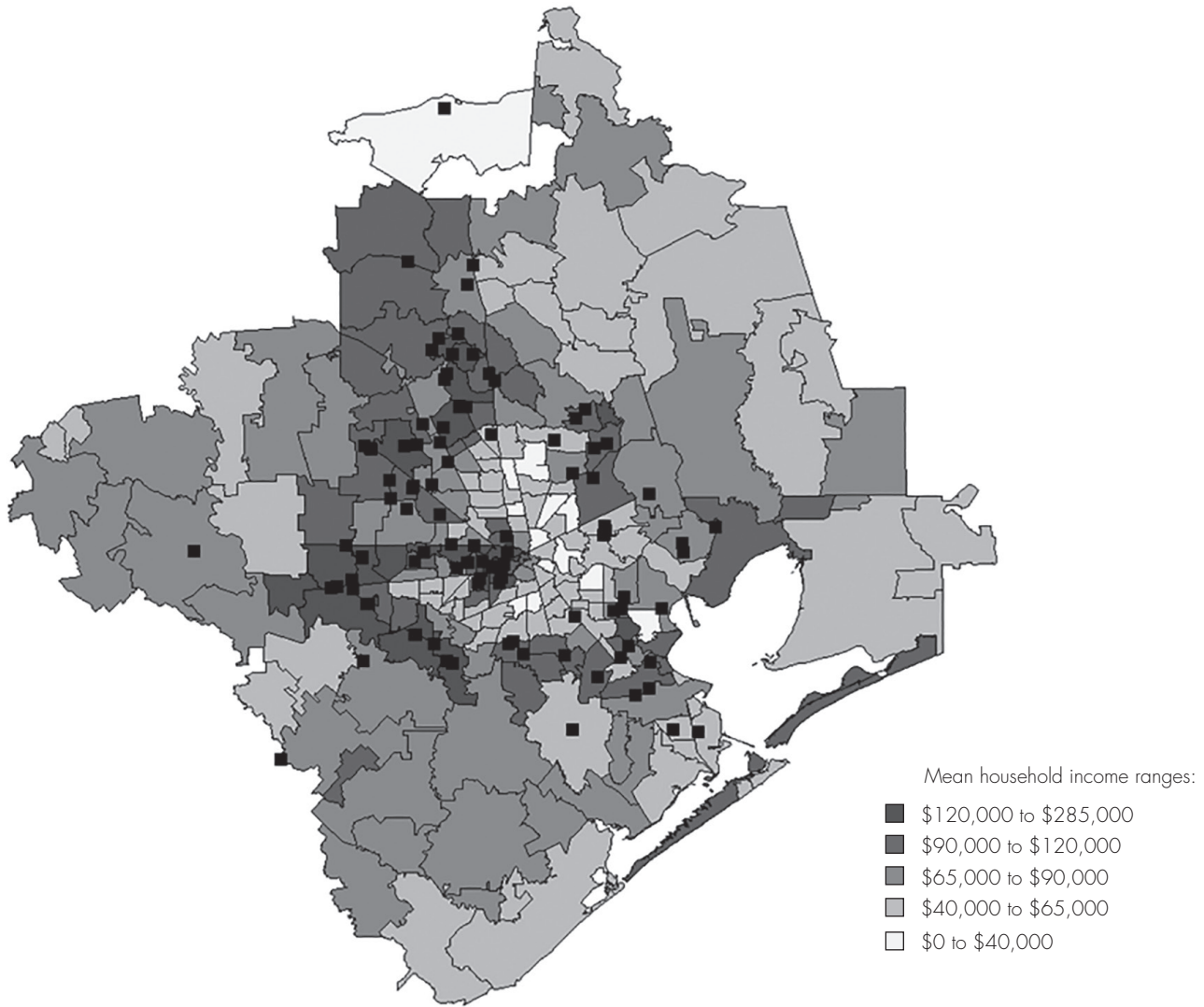


Note: ED (emergency department).

Source: MedPAC analysis of stand-alone ED industry and population data from the Census Bureau.

**FIGURE  
8-A2**

**Distribution of stand-alone EDs in the metropolitan statistical area  
of Houston, Texas, by ZIP code and mean income**



Note: ED (emergency department).

Source: MedPAC analysis of stand-alone ED industry and population data from the Census Bureau.

**TABLE  
8-A3****Medicare FFS physician ED visits in markets  
with and without stand-alone EDs, 2010–2014**

	OCEDs per million residents	All stand-alone EDs per million residents	Population, in millions (2015)	Medicare FFS beneficiaries, in millions (2014)	PFS ED visits per 1,000 FFS beneficiaries		
					2010	2014	Percent change (2010 to 2014)
7 MSAs with the highest OCED concentration and more than 1 million residents							
	5.4	10.8	23.2	1.9	523	552	5.5%
Denver, CO	6.8	8.5	2.8	0.2	479	564	17.7
Houston, TX	6.6	15.6	6.7	0.5	400	413	3.1
Cleveland, OH	5.8	5.8	2.1	0.2	868	890	2.5
Dallas, TX	4.5	11.1	7.1	0.6	403	422	4.6
Austin, TX	4.4	11.0	2.0	0.2	449	436	-2.8
Richmond, VA	3.9	3.9	1.3	0.2	634	686	8.2
Oklahoma City, OK	3.7	3.7	1.4	0.2	762	872	14.4
11 MSAs without stand-alone EDs and more than 1 million residents							
	0.0	0.0	42.8	3.3	423	425	0.4%
Los Angeles, CA	0.0	0.0	13.3	1.0	329	333	1.1
Atlanta, GA	0.0	0.0	5.7	0.5	599	595	-0.6
San Francisco, CA	0.0	0.0	4.7	0.4	153	163	6.2
Riverside, CA	0.0	0.0	4.5	0.3	539	477	-11.5
San Diego, CA	0.0	0.0	3.3	0.3	436	476	9.2
Portland, OR	0.0	0.0	2.4	0.2	480	461	-3.9
Pittsburgh, PA	0.0	0.0	2.4	0.2	686	682	-0.5
Las Vegas, NV	0.0	0.0	2.1	0.2	460	497	8.2
San Jose, CA	0.0	0.0	2.0	0.2	466	389	-16.5
Memphis, TN	0.0	0.0	1.3	0.2	426	467	9.6
Rochester, NY	0.0	0.0	1.1	0.1	562	637	13.5
All other areas	1.1	1.5	206.3	32.5	546	559	2.4
United States	1.1	1.8	321.4	37.7	535	547	2.4

Note: OCED (off-campus emergency department), ED (emergency department), FFS (fee-for-service), PFS (physician fee schedule), MSA (metropolitan statistical area).  
Data represent aggregate figures across all of the MSAs in this category rather than averages of the MSAs.

Source: Medicare carrier file claims.

**TABLE  
8-A4****Private-payer emergency department visits in MSAs with and without stand-alone emergency departments, 2012-2014**

	Stand-alone EDs per million residents	Population, in millions (2015)	ED visits per 1,000 physician users		
			2012	2014	Percent change (2012 to 2014)
7 MSAs with the highest concentration of all stand-alone EDs and more than 1 million residents					
Houston, TX	15.6	6.7	189	186.0	-1.6
Dallas, TX	11.1	7.1	177	180.0	1.8
Austin, TX	11.0	2.0	169	167.0	-1.3
San Antonio, TX	10.9	2.4	199	234	17.2
Denver, CO	8.5	2.8	149	159.0	7.0
Cleveland, OH	5.8	2.1	197	196.0	-0.6
Richmond, VA	3.9	1.3	188	177	-6.1
11 MSAs without stand-alone EDs and more than 1 million residents					
Los Angeles, CA	0.0	13.3	113	122	8.0
Atlanta, GA	0.0	5.7	161	157	-2.4
San Francisco, CA	0.0	4.7	134	114	-14.9
Riverside, CA	0.0	4.5	140	152	8.1
San Diego, CA	0.0	3.3	103	106	2.6
Portland, OR	0.0	2.4	81	100	23.2
Pittsburgh, PA	0.0	2.4	225	203	-9.9
Las Vegas, NV	0.0	2.1	175	169	-3.4
San Jose, CA	0.0	2.0	113	101	-10.4
Memphis, TN	0.0	1.3	186	191	2.7
Rochester, NY	0.0	1.1	98	100	2.9

Note: MSA (metropolitan statistical area), ED (emergency department). Data represent aggregate figures across all of the MSAs in this category rather than averages of the MSAs.

Source: Private-payer claims data aggregated by and purchase from Truven Health Analytics.