EXECUTIVE SUMMARY

Overall Health System Performance



List of 43 Indicators in Scorecard on Local Health System Performance

		Rang	e of Hospital						
	Dimension and Indicator	Best HRR	Top 90th Percentile	All-HRR Median	Bottom 10th Percentile	Worst HRR	– Top Three Local Areas (in alphabetical order)*		
1	Percent of adults ages 18–64 insured	94.6	87.5	80.2	71.8	46.8	Boston, MA; Springfield, MA; Worcester, MA		
2	Percent of children ages 0–17 insured	98.8	96.3	93.8	87.2	79.8	Boston, MA; Springfield, MA; Worcester, MA		
3	Percent of adults reported no cost-related problem seeing a doctor when they needed to within the past year	95.3	90.7	85.3	80.3	66.9	Appleton, WI; Bloomington, IL; Minot, ND		
4	Percent of at-risk adults visited a doctor for routine checkup in the past two years	94.9	90.4	85.2	78.4	67.4	Bloomington, IL; Columbus, GA; Newport News, VA		
5	Percent of adults visited a dentist, dental hygienist, or dental clinic within the past year	88.4	77.9	69.7	59.7	41.7	Arlington, VA; Aurora, IL; Bridgeport, CT		
	PREVENTION & TREATMENT								
6	Percent of adults with a usual source of care	93.0	88.8	82.4	74.2	58.7	Buffalo, NY; Johnstown, PA; Lancaster, PA; Rochester, NY		
7	Percent of adults age 50 and older received recommended screening and preventive care	58.8	50.8	44.2	37.5	26.0	Arlington, VA; Manchester, NH; Worcester, MA		
8	Percent of adult diabetics received recommended preventive care	69.1	55.7	45.5	36.5	26.9	Duluth, MN; Manchester, NH; Marshfield, WI		
9	Percent of Medicare beneficiaries received at least one drug that should be avoided in the elderly (1)	11.4	17.9	25.0	36.2	44.0	Bronx, NY; East Long Island, NY; White Plains, NY		
10	Percent of Medicare beneficiaries with dementia, hip/pelvic fracture, or chronic renal failure received prescription in an ambulatory care setting that is contraindicated for that condition (1)	9.5	15.3	19.7	26.2	30.6	Portland, ME; Rochester, MN; Santa Cruz, CA		
11	Percent of patients hospitalized for heart failure who received recommended care (2)	99.7	97.5	94.7	89.6	77.2	Hudson, FL; Lynchburg, VA; Victoria, TX		
12	Percent of patients hospitalized for pneumonia who received recommended care (2)	99.3	96.9	95.1	92.2	74.1	Clearwater, FL; Hudson, FL; Kettering, OH; San Luis Obispo, CA; Traverse City, MI		
13	Percent of surgical patients received appropriate care to prevent complications (2)	99.3	97.4	96.2	93.5	88.0	Hudson, FL; Kettering, OH; Newport News, VA		
14	Percent of hospitalized patients given information about what to do during their recovery at home	88.5	86.2	82.6	79.1	73.8	Dubuque, IA; Ogden, UT; Provo, UT		
15	Percent of patients reported hospital staff always managed pain well, responded when needed help to get to bathroom or pressed call button, and explained medicines and side effects	70.9	67.1	63.2	59.0	52.8	Petoskey, MI; Rochester, MN; Traverse City, MI; Wichita Falls, TX		
16	Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart attack (3)	12.1	14.4	15.6	16.9	20.2	Elyria, OH; Hackensack, NJ; Traverse City, MI		
17	Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure (3)	8.5	9.9	11.4	12.8	14.8	Blue Island, IL; Munster, IN; Panama City, FL		
18	Risk-adjusted 30-day mortality among Medicare patients hospitalized for pneumonia (3)	9.4	10.6	11.8	13.2	15.8	Allentown, PA; Cedar Rapids, IA; Great Falls, MT		
19	Percent of home health care patients whose ability to walk or move around improved (4)	60.7	56.7	53.4	48.7	45.9	Gainesville, FL; Ogden, UT; Provo, UT		
20	Percent of home health care patients whose wounds improved or healed after an operation (4)	92.4	90.3	88.0	85.3	79.3	Lake Charles, LA; Santa Rosa, CA; Tallahassee, FL		
21	Percent of high-risk nursing home residents with pressure sores (5)	4.8	7.9	10.9	14.8	20.8	Mason City, IA; St. Cloud, MN; San Luis Obispo, CA		
22	Percent of long-stay nursing home residents who were physically restrained (5)	0.4	1.5	3.3	6.8	13.6	Amarillo, TX; Tacoma, WA; Topeka, KS; Wausau, WI		
23	Percent of long-stay nursing home residents who have moderate to severe pain (5)	0.4	2.2	3.6	5.2	11.1	New Brunswick, NJ; Paterson, NJ; Spartanburg , SC; Takoma Park, MD		
24	Percent of Medicare decedents with a cancer diagnosis without any hospice or who enrolled in hospice in the last three days of life	30.1	46.6	55.6	64.2	84.4	Bend, OR; Salem, OR; Sun City, AZ		

EXE	CUTIVE SUMMARY	Rang	je of Hospital	Exhibit 2 (continued)			
	Dimension and Indicator	Best HRR	Top 90th Percentile	All-HRR Median	Bottom 10th Percentile	Worst HRR	Top Three Local Areas (in alphabetical order)*
	POTENTIALLY AVOIDABLE HOSPITAL USE & CO	ST					
25	Hospital admissions among Medicare beneficiaries for ambulatory care-sensitive conditions, per 100,000 beneficiaries	1,535	4,045	6,184	7,919	9,611	Bend, OR; Ogden, UT; Salem, OR
26	Readmissions within 30 days of discharge as percent of all admissions among Medicare beneficiaries	12.5	15.1	17.7	20.5	24.8	Bend, OR; Ogden, UT; Rapid City, SD
27	Potentially avoidable emrgency department visits among Medicare beneficiaries, per 1,000 beneficiaries	129	162	197	236	294	Everett, WA; Grand Junction, CO; Santa Cruz, CA
28	Percent of long-stay nursing home residents hospitalized within six-month period	6.3	11.9	20.0	28.3	36.7	Bend, OR; St. Cloud, MN; Sun City, AZ
29	Percent of first-time nursing home residents readmitted within 30 days of hospital discharge to the nursing home	9.4	15.8	20.6	25.7	30.9	Grand Falls, MT; Ogden, UT; Rapid City, SD
30	Percent of home health care patients with a hospital admission	19.3	22.4	26.6	32.2	46.8	Idaho Falls, ID; Ogden, UT; Provo, UT
31	Medicare imaging costs per enrollee	\$110	\$189	\$288	\$443	\$638	Grand Junction, CO; Lebanon, NH; Minot, ND
32	Total Medicare (Parts A & B) reimbursements per enrollee (6)	\$5,089	\$6,432	\$7,952	\$9,687	\$15,813	Anchorage, AK; Grand Junction, CO; Honolulu, HI
33	Total reimbursements per commercially insured enrollee ages 18–64 (6)	\$2,014	\$2,801	\$3,314	\$4,006	\$5,068	Buffalo, NY; Honolulu, HI; Rochester, NY
	HEALTHY LIVES						
34	Potentially preventable mortality, deaths per 100,000 population (7)	51.5	71.6	91.3	128.7	169.0	Boulder, CO; Everett, WA; Grand Junction, CO
35	Breast cancer deaths per 100,000 female population	17.0	22.6	28.9	38.8	48.9	McAllen, TX; San Jose, CA; Santa Barbara, CA
36	Colorectal cancer deaths per 100,000 population	6.8	16.9	22.8	32.6	39.0	McAllen, TX; San Jose, CA; Santa Barbara, CA
37	Infant mortality, deaths per 1,000 live births	3.3	4.9	6.8	9.4	14.4	San Francisco, CA; Santa Rosa, CA; Victoria, TX
38	Percent of live births with low birth weight	4.9	6.0	7.5	9.9	13.2	Anchorage, AK, Dubuque, IA; Everett, WA; Santa Cruz, CA
39	Suicide deaths per 100,000 population	4.2	8.2	15.4	23.4	49.1	East long Island, NY; Hackensack, NJ; Newark, NJ; Ridgewood, NJ; White Plains, NY
40	Percent of adults who smoke	6.2	12.6	19.0	24.2	30.9	Provo, UT; San Mateo, CA; Santa Barbara, CA
41	Percent of adults ages 18–64 who are obese (BMI >= 30)	15.3	23.8	29.5	35.7	45.6	Boulder, CO; Bridgeport, CT; San Francisco, CA
42	Percent of adults ages 18–64 who have lost six or more teeth because of tooth decay, infection, or gum disease	2.8	5.9	10.1	16.4	28.0	Austin, TX; Boulder, CO; St. Cloud, MN
43	Percent of adults ages 18–64 report fair/poor health, 14 or more bad mental health days, or activity limitations	17.9	23.5	29.5	35.8	42.0	Appleton, WI; Bloomington, IL; Sioux City, IA

* As a result of ties, more than three local areas may be listed.

(1) Metric forms part of the score reflecting potentially inappropriate prescribing among elderly Medicare beneficiaries.

(2) Metric forms part of the score reflecting receipt of recommended hospital care.

(3) Metric forms part of the score reflecting hospital mortality.

(4) Metric forms part of the score reflecting quality of home health care.

(5) Metric forms part of the score reflecting quality of nursing home care.

(6) Total Medicare per-person spending estimates include payments made for hospital (part A) and outpatient (part B) services. Estimates exclude extra payments to support graduate medical education and treating a disproportionate share of low-income patients; adjustments are made for regional wage differences. Commercial spending estimates, generated from a sophisticated regression model, include reimbursed costs for health care services from all sources of payment, including the health plan, enrollee, and any third-party payers, incurred during 2009. Outpatient prescription drug charges are excluded, as were enrollees with capitated plans and their associated claims. Commercial spending estimates were adjusted for enrollee age and sex, the interaction of age and sex, partial-year enrollment, and regional wage differences.

(7) Data for this indicator come from county-level 2005–07 NVSS-M data files, aggregated to the HRR level, for most HRRs. Estimates for the Anchorage, AK, and Honolulu, HI, HRRs represent state-level data and are compiled from years 2006–07.

Local Variation: Overall Health System Performance



ACCESS

Overall Performance on Access Dimension



Percent of Adults Ages 18–64 Uninsured, 2009–2010



HRR = hospital referral region. Data: U.S. Census Bureau, 2009–10 American Community Survey.

Percent of Children Ages 0–17 Uninsured, 2009–2010



HRR = hospital referral region Data: U.S. Census Bureau, 2009–10 American Community Survey.

Local Variation: Access Indicators



HRR = hospital referral region

Data: Adult and children Insured—2009–10 ACS; No cost-related problem seeing a doctor and checkup in past two years—2009–10 BRFSS; Dental visit— 2010 BRFSS.

Dental Visit in Past Year, 2010: Highest and Lowest Rate Local Areas in Each State



Percent of adults who visited a dentist, dental hygienist, or dental clinic within the past year

*These states have only one HRR based within the state. HRR = hospital referral region Data: 2010 BRFSS.

ACCESS

Performance in the Access and Prevention & Treatment Dimensions Is Related



Dimension Score for Access

HRR = hospital referral region

Performance of Top and Bottom 10 Percent of Hospital Referral Regions

	p 10% of Local Areas	Dimension Rank 1 3 3 3 6 6 6 6 6 6 6 6 6 10 11 11 11 11 11 11 11 11 11 11 11 11	n Boston, MA Worcester, MA Dubuque, IA Rochester, MN Springfield, MA Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	Population Count 4,825,960 824,358 154,083 418,800 738,817 333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					Performance Quartile Top Quartile Second Quartile Third Quartile Bottom Quartile Missing Data
	p 10% of Local Areas	1 1 3 3 6 6 6 10 11 11 11 11 11 11 11 11 11	Boston, MA Worcester, MA Dubuque, IA Rochester, MN Springfield, MA Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	4,825,960 824,358 154,083 418,800 738,817 333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 291,422 688,178				•	Performance Quartile Top Quartile Second Quartile Third Quartile Bottom Quartile Missing Data
	p 10% of Local Areas	1 3 3 6 6 6 6 10 11 11 11 11 11 11 11 11 11 11 11 23 22	Worcester, MA Dubuque, IA Rochester, MN Springfield, MA Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	824,358 154,083 418,800 738,817 333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178				• •	 Top Quartile Second Quartile Third Quartile Bottom Quartile Missing Data
	p 10% of Local Areas	3 3 6 6 6 10 11 11 11 11 11 11 11 11 11 11 11 11	Rochester, MN Springfield, MA Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	418,800 738,817 333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042				•	 Second Quartile Third Quartile Bottom Quartile Missing Data
	p 10% of Local Areas	3 6 6 10 11 11 11 11 11 11 11 11 11 11 11 11	Springfield, MA Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	738,817 333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					 Third Quartile Bottom Quartile Missing Data
	p 10% of Local Areas	6 6 10 11 11 11 11 11 11 11 11 11 11 11 11	Appleton, WI Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	333,220 194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178				•	 Bottom Quartile Missing Data
	p 10% of Local Areas	6 6 10 11 11 11 11 11 11 11 11 11 11 11 11	Bloomington, IL Cedar Rapids, IA Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	194,699 299,158 1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					Missing Data
	p 10% of Local Areas	6 10 11 11 11 11 11 11 11 11 11 11 11 11	Hartford, CT New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	1,510,268 1,473,068 686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	10 11 11 11 11 11 11 11 11 11 11 11 11 23 22	New Haven, CT Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	1,473,068 686,120 1,376,734 1,086,663 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	11 11 11 11 11 11 11 11 11 11 11 11 23 22	Bridgeport, CT Buffalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN	686,120 1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	11 11 11 11 11 11 11 11 11 11 11 23 22	Buttalo, NY Des Moines, IA Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN Waterlag, IA	1,376,734 1,086,663 893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	11 11 11 11 11 11 11 11 11 23 23	Manchester, NH Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN Waterlag, IA	893,654 3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	11 11 11 11 11 11 11 23 23	Minneapolis, MN Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN Waterlag, IA	3,237,168 1,014,970 458,382 1,225,202 591,042 688,178					
	p 10% of Local Areas	11 11 11 11 11 11 11 23 23	Morristown, NJ Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN Waterlag, LA	1,014,970 458,382 1,225,202 591,042 688 178					
	p 10% of Local Area	11 11 11 11 11 11 23 23	Pontiac, MI Providence, RI Reading, PA Royal Oak, MI St. Paul, MN Waterloo IA	458,382 1,225,202 591,042 688 178					
	p 10% of Local A	11 11 11 11 23 23	Reading, PA Royal Oak, MI St. Paul, MN	591,042					
	p 10% of Loca	11 11 11 23 23	Royal Oak, MI St. Paul, MN Watarlaa	688 178					
	p 10% of Lc	11 11 23 23	St. Paul, MN	000,170					
	p 10% of	11 23 23	Watarlaa IA	1,077,980					
	p 10%	22		217,149					
	р 10	4.3	Arlington, VA	2.306.470					
	0	23	Aurora, IL	324,452					
	<u> </u>	23	Baltimore, MD	2,519,510					
		23	Fargo/Moorhead MN, ND	528,764					
		23	Green Bay, WI	510,108					
		23	Iowa City, IA	344,473					
		23	La Crosse, WI	350,219		l			
		23	Mason City, IA	132,853	•	•			
		23	Neenah WI	237 203		•			
		23	New Brunswick, NJ	1,069,921					
		23	Newport News, VA	562,370					
		23	Rochester, NY	1,304,602					
		23	Sioux Falls, SD	772,490					
		23	Washington, DC	2,651,966					
		23	Wilmington, DE	799,906					
		23	York, PA	439,785					
/		276	Fort Smith, AR	373,855					
		276	Hattiesburg, MS	316,829					
		276	Joplin, MO	371,319					
		276	Longview, TX	197,945					
		276	Miami, FL	3,134,285					
		276	Missoula, MT	383,540					
		276	Oklahoma City, OK	1,879,596					
		276	Iexarkana, AR Tulsa, OK	261,650					
	eas	276	Tupelo, MS	394,380					
	Ā	276	Tyler, TX	572,677					
	al	288	Bakersfield, CA	1,148,420					
	ğ	288	Corpus Christi, TX	563,764					
	f	288	Grand Junction, CO	305,320					
	%	288	Houston, TX	6,369,027					
	10,	288	Lakeland, FL	357,008					
	Ξ	288 288	Ocala, FL	527,004 152729					
	fo	288	San Angelo, TX	159,097				•	
	Sot	288	Spartanburg, SC	377,800					
		298	Amarillo, TX	448,849					
		298	Beaumont, TX	464,624					
		290 301	Abilene TX	294,137					
		301	Odessa, TX	351,798					
		303	El Paso, TX	1,115,274					
		304	Waco, TX	342,961					
\langle		306	McAllen. TX	647,659					

Overall Performance on Prevention & Treatment Dimension





HRR = hospital referral region.

Data: Adults with usual source of care—2009–10 BRFSS; Adults received preventive care—2008 & 2010 BRFSS; Adult diabetic recommended care—2008–10 BRFSS.

PREVENTION & TREATMENT

Exhibit 13

Prescription of Potentially Unsafe Medications, 2007



HRR = hospital referral region.

Note: Quartiles denoted in this map reflect the distribution of HRRs on only one of two indicators of prescribing quality (indicator #9). In other instances in this report, and in scorecard data reported online, the reported quartile value reflects the combined score for both prescription quality indicators (indicators #9 and #10), and may differ. See Appendix B for more information. Data: 2007 Medicare Part D 5% Data.

Local Variation: Hospital Care Processes and Responsiveness to Patients



HRR = hospital referral region. Data: 2010 CMS Hospital Compare.

Local Variation: Home Health Quality Indicators



HRR = hospital referral region.

Data: April 2010-March 2011 OASIS, as reported by CMS Home Health Compare.

PREVENTION & TREATMENT

• 0 HRRs in Region: 20 C High-risk nursing home residents with • Northeast 0 Ο South 0 0 0 Midwest West pressure sores (%) 15 00 \sim 0 0 8 0 0 10 0 $R^2 = 0.45$ 0 5 10 20 30 0 40

Nursing Home Pressure Sores and Admission to Hospital from Nursing Homes

Long-stay nursing home residents with a hospital admission (%)

HRR = hospital referral region. Data: Residents with pressure sores—2008-09 MDS, as reported by CMS Nursing Home Compare; Residents with hospital admission—2008 MEDPAR, MDS.

Performance of Top and Bottom 10 Percent of Hospital Referral Regions



(1) Quartile ranking is based on an average of 2 metrics: 1) Percent of Medicare beneficiaries received at least one drug that should be avoided in the elderly; 2) Percent of Medicare beneficiaries with dementia, hip/pelvic fracture, or chronic renal failure received prescription in an ambulatory care setting that is contraindicated for that condition. (2) Quartile ranking is based on an average of 3 metrics: 1) Percent of patients hospitalized for heat contraindicated for that condition.

care; 3) Percent of surgical patients received appropriate care to prevent complications. (3) Quartile ranking is based on an average of 3 metrics: 1) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart attack; 2) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart attack; 2) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart attack; 2) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Medicare patients hospitalized for heart failure; 3) Risk-adjusted 30-day mortality among Risk adjusted 30-day mortality Risk adju

(4) Quartile ranking is based on an average of 2 metrics: 1) Percent of home health care patients whose ability to walk or move around improved; 2) Percent of home health care patients whose wounds improved or healed after an operation.

(c) Quartile ranking is based on an average of 3 metrics: 1) Percent of high-risk nursing home residents with pressure sores; 2) Percent of long-stay nursing home residents who were physically restrained; 3) Percent of long-stay nursing home residents who have moderate to severe pain.

Overall Performance on Potentially Avoidable Hospital Use & Cost Dimension



Local Variation: Potentially Avoidable Hospital Admissions



HRR = hospital referral region.

Data: Readmissions within 30 days of discharge—2008 Medicare claims as reported by IOM; long-stay nursing home residents hospitalized—2008 MEDPAR, MDS; Home health care patients with hospital admission—April 2010–March 2011 OASIS as reported by CMS Home Health Compare.

Potentially Avoidable Emergency Department (ED) Use Among Medicare Beneficiaries



Potentially avoidable ED visits



HRR = hospital referral region.

Data: 2009 5% Medicare SAF.

Note: Potentially avoidable emergency department (ED) visits are considered either nonemergent, where treatment was not required within 12 hours, or emergent but primary care-treatable, where care was needed within 12 hours, but the services provided in the ED could have been provided in a primary care setting.

Hospitalizations for Potentially Avoidable Hospital Admissions and 30-Day Readmissions, by Medicare Reimbursement



Note: Each dot represents one of 306 hospital referral regions.

Data: Medicare reimbursement and Medicare beneficiaries readmitted to hospital—2008 Medicare claims as reported by IOM; ACS hospital admissions—2009 5% Medicare SAF.

Commercially Insured and Medicare Spending per Enrollee, Relative to U.S. Median Spending for Each Population

Commercial Spending

Expressed as ratio to median commercial spending

- 0.61–0.89 (71 HRRs)
- 0.90–0.99 (79)
- 1.00–1.09 (80)
- 1.10–1.53 (71)
- Not Populated or Missing Data (5)

Medicare Spending

Expressed as ratio to median Medicare spending

- 0.63-0.89 (81 HRRs)
- 0.90-0.99 (72)
- 1.00–1.09 (75)
- 1.10-2.00 (78)
- Not Populated





Data: Commercial – 2009 Thomson Reuters MarketScan Database, analysis by M.Chernew, Harvard Medical School. Medicare – 2008 Medicare claims as reported by IOM. Note: Ratio values lower than 1.0 indicate lower than median spending, ratio values higher than 1.0 indicate higher than median spending. Median spending is determined separately for the commercially insured (ages 18–64) and Medicare populations (age 65 and older).

Performance of Top and Bottom 10 Percent of Hospital Referral Regions

Pe	rformance Q	uartile						5				
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	Bottom Quar	tile		÷,	<u> </u>	్ జ సం	.E.S.	å. å	Sc Ste		É	e EE.
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	Dimension		Population	2 5 2	<i>ڪ</i> ي ٿ	220	2	کې پې	2 4	ે સ્ટ્રેટ્ર	2	~~ v
	капк	Local Area	Count	ີ ທ		` ర్			•	~		~
	1	Honolulu HI	1 360 301									
(2	Oaden UT	488 280									
	2	Boise ID	882 040									
	3	Grand Junction CO	305 320									
	3	Rapid City, SD	218.020									
	3	Santa Rosa CA	488 469									
	7	Salem, OR	326,508									
	7	Salt Lake City, UT	1 998 814									
	9	Bend, OR	218,854									
Š	9	Idaho Falls, ID	239,146									
e a	11	La Crosse, WI	350,219									
A_	11	Provo, UT	597,216									
-	13	Medford, OR	433,410									
ů,	13	Neenah, WI	237,203									
2	13	Santa Barbara, CA	439,848									
f	16	Fargo/Moorhead MN, ND	528,764									
	16	Missoula, MT	383,540									
~	16	Portland, OR	2,678,718									
7	16	San Luis Obispo, CA	255,521									
d	16	Santa Cruz, CA	271,146									
P ⊢	21	Duluth, MN	340,489									
	21	San Mateo County, CA	820,908									
	21	Traverse City, MI	231,931									
	24	Albuquerque, NM	1,667,755									
	24	Appleton, WI	333,220									
	24	Eugene, OR	699,687									
	24	Everett, WA	659,750									
	24	Minot, ND	126,147									
	24	Nuskegon, Mi	2/0,000									
	24	Kedding, CA	551,205									
_												
(277	Charleston, WV	833,536									
	2//	Detroit, MI	1,/9/,//8									
	2//	Florence, SC	359,716									
	277	Gary, IN	539,247									
	277	Harlingen, IX	565,440									
	277	Hattlesburg, MS	316,829									
	277	Houston, IX	6,369,027									
	277	Jollet, IL	091,100									
SE	211	Lexington, KY	1,218,59/									
ě,	200	Culfport MC	106 017									
Ā	280		190,812									
<u> </u>	200	Lake Charles, LA	271,045 E 107 407									
Ü	200	Resument TV	5,107,497									
Ľ	290	Bedunionit, IA	404,024									
f	290	Blue Islahu, IL	004,900									
	290	BIOIIX, NT	1,301,107									
ô	290	Huntington MA	2/9,152									
	290	Motairia LA	460 602									
2	290		639,603									
1 <u></u>	290	Shrevenort 1 A	700 012									
of	290	Baton Rouge 1 A	942 799									
8	298	Chicago II	2 684 751									
	298	Miami Fl	3 134 785									
	298	Munster IN	306 130									
	298	Tevarkana AR	261 650									
	303	Alexandria 1 A	292 937									
	303		622,943									
	303	Monroe, IA	270.188									
	303	Slidell I A	193 826									
_		5										

HEALTHY LIVES

Overall Performance on Healthy Lives Dimension



Mortality Amenable to Health Care

Deaths per 100,000 Population, 2005–2007

All Races

- 51.5–74.9 (50 HRRs)
- 75.0-89.9 (95)
- 90.0-109.9 (87)
- 110.0-169.0 (74)
- Not Populated

White Race

- ^o 51.2–74.9 (82 HRRs)
- 75.0-89.9 (96)
- 90.0-109.9 (96)
- 110.0-136.6 (32)
- Not Populated





HRR = hospital referral region.

Data for this indicator come from county-level 2005–07 NVSS-M data files, aggregated to the HRR level, for most HRRs. Estimates for the Anchorage, AK, and Honolulu, HI, HRRs represent state-level data and are compiled from years 2006–07. Data: 2005–07 NVSS-M.

HEALTHY LIVES

Low Birth Weight and Infant Mortality



Infant mortality (deaths per 1,000 live births)

HRR = hospital referral region.

Data: 1996–2005 NVSS-M, as reported by Community Health Status Indicators (CHSI).

Note: CHSI data are reported at the county level. Counties with small populations require more years of data for stable estimates. HRR level estimates can, but do not necessarily, include data from each year between 1996–2005, depending on the population sizes in the counties in the HRR.

Local Variation: Healthy Lives Indicators



HEALTHY LIVES

Poor Health-Related Quality of Life and Access Dimension Score



HRR = hospital referral region.

Data: Adults reporting poor health or health-related limitations-2009-10 BRFSS.

Performance of Top and Bottom 10 Percent of Hospital Referral Regions

Breast Greet

Performance Quartile

- □ Top Quartile
- Second Quartile
- Third Quartile
- Bottom Quartile

□ Top Quartile □ Second Quartile □ Third Quartile ■ Bottom Quartile ■ Dimension Population Rank Local Area 1 San Jose, CA 1,737,3 2 Bridgeport, CT 686,7	th Amenable
Second Quartile Third Quartile Bottom Quartile Dimension Rank Local Area Cour 1 San Jose, CA 1,737, 2 Bridgeport, CT 686,	C Amenable
Second Quartile Third Quartile Bottom Quartile Dimension Rank Local Area Cour 1 San Jose, CA 1,737, 2 Bridgeport, CT 686,	C. Amena
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Rank Local Area Cour 1 San Jose, CA 1,737, 2 Bridgeport, CT 686,	tion S & & &
1 San Jose, CA 1,737,5 2 Bridgeport, CT 686,	nt ~
2 Bridgeport, CT 686,	862
	120
3 San Mateo County, CA 820.9	908
4 San Francisco, CA 1 437	520
5 Orange County, CA 3,235	685
6 Santa Cruz CA 271	146
7 Boulder CO 286	366
8 Santa Barbara CA 439	848
9 Alameda County CA 1 5/3	588
10 St Paul MN 1.077	
10 $50.1 add, MiN 1,077,$	580
o 11 East Long Island NV 4.610	140
U II Last Long Island, NI 4,019,	021
	140
TI Kiugewood, NJ 447,	140
Santa Rosa, CA 488,4	469
- 11 vvnite Plains, NY 1,136,4	457
6 17 Hackensack, NJ 1,291,9	948
% 17 Ogden, UT 488,7	280
e 19 Hartford, CT 1,510,2	268
19 McAllen, TX 647,6	659
O 19 Salinas, CA 400,8	821
19 San Luis Obispo, CA 255,	521
19 Seattle, WA 2,832,4	455
19 Ventura, CA 858,5	563
25 Arlington, VA 2,306,4	470
25 Elgin, IL 778,3	354
25 Everett, WA 659,7	750
28 Morristown, NJ 1,014,9	970
28 New Haven, CT 1,473,0	068
28 Provo, UT 597,2	216
28 San Diego, CA 3,660,4	481
28 St. Cloud, MN 260,	500
277 Dothan, AL 378,3	25
277 Florence, SC 359,7	16
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277 Jonesboro, AR 234,1	
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3	18 83
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Houma, LA 279,1 285 Lexington, WV 361,1 285 Lexington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Houma, LA 279,1 285 Lexington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 40bany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 90 285 Tupelo, MS 394,3 40 291 Albany, GA 215,4 291 Alexandria, LA 292,9 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 402,9 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomerv, AL 467.7	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Houma, LA 279,1 285 Lexington, WV 361,1 285 Lexington, KY 1,518,5 285 Lexington, KY 1,518,5 285 Tupelo, MS 394,3 10 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700.0	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Lexington, KY 1,518,5 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Alexandria, LA 292,9 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau. MO 270.1	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Dacon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Greenville, NC 846,0	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Greenville, NC 846,0 297 Lackson TN 335,3	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Albany, GA 33,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Jackson, TN 335,3 297 Meridian MS 2015	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Greenville, NC 846,0 297 Jackson, TN 335,3 297 Meridian, MS 201,5 297 Monroe LA 270,1	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Lexington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 400 285 Tupelo, MS 394,3 400 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Shreveport, LA 700,0 297 Greenville, NC 846,0 297 Jackson, TN 335,3 297 Meridian, MS 201,5 297 Monroe, LA 270,1 302 Memphic TN 18148	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Jackson, TN 335,3 297 Monroe, LA 270,1 302 Memphis, TN 1,814,8 302 Oxford MS 1524	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Charleston, WV 833,5 291 Hattiesburg, MS 316,8 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Greenville, NC 846,0 297 Jackson, TN 335,3 297 Meridian, MS 201,5 297 Monroe, LA 270,1 302 Memphis, TN 1,814,8 302 Oxford, MS 152,4 302 Turcaloosa Al 265,9	18
277 Jonesboro, AR 234,1 277 Kingsport, TN 475,4 277 Lawton, OK 205,3 277 Little Rock, AR 1,559,5 277 Mobile, AL 822,8 277 Texarkana, AR 261,6 285 Augusta, GA 675,9 285 Houma, LA 279,1 285 Huntington, WV 361,1 285 Lexington, KY 1,518,5 285 Macon, GA 742,6 285 Tupelo, MS 394,3 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Albany, GA 215,4 291 Alexandria, LA 292,9 291 Charleston, WV 833,5 291 Montgomery, AL 467,7 291 Shreveport, LA 700,0 297 Cape Girardeau, MO 270,1 297 Jackson, TN 335,3 297 Meridian, MS 201,5 297 Meridian, MS 152,4 302 Oxford, MS 152,4 302 Columbus, GA 343,0	18

Suicide Deeths Suicide Deeths Adults Who

Local Area

The Health System Experience in Select Cities⁺

opulation	
Count	

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NOR	THEAST						Performance Quar
MA	Boston		4,825,960				🗌 Top Quartile
NIX	Now York City Area	Bronx	1,381,167				Second Quartil
INT	Manhattan		5,107,497				Third Quartile
	Pittsburgh		2,913,805				Pottom Quartic
PA	Philadalphia Area	Camden, NJ	2,826,905				
	Filladelphia Area	Philadelphia	4,186,372				
MID	NEST			 	 		
		Blue Island	804,980				
п	Chicago Area	Chicago	2,684,751				
	chicago Arca	Evanston	939,064				
		Melrose Park	1,263,506				
MI	Detroit		1,797,778				
MN	Minneapolis		3,237,168				
IVIIN	St. Paul		1,077,980				
MO	St. Louis		3,418,466				
ОН	Cincinnati		1,666,017				
WES	Т			 	 _	-	
AZ	Phoenix		3,250,646				
	Orange County 3,235,685						
	Los Angeles Area	Los Angeles	9,874,390				
C۵	San Diego		3,660,481				
CA	San Francisco Ray	Alameda County	1,543,588				
	Area	San Mateo County	820,908				
		San Francisco	1,437,520				1
CO	Denver		2,811,835				
OR	Portland		2,678,718				
WA	Seattle		2,832,455				
SOU	TH			 	 -		
AL	Birmingham		2,300,344				
	District of Columbia	Arlington, VA	2,306,470				
DC	Area	Baltimore, MD	2,519,510				
	Frank and a shake	Washington, DC	2,651,966				4
	Fort Lauderdale		2,821,280				
-	IVIIami	Cleanuater	3,134,285				
FL	T	Clearwater	492,609				
	Tampa Area	St. Petersburg	423,910				
<u> </u>		Tampa	1,369,627				
GA	Atlanta		6,235,550				
LA	New Orleans		039,0/3				
NC	Durbam		2,403,839				
NC	Palaigh		2 042 645				4
	Momphic		2,042,045				
ΤN	Nachvillo		1,014,02/				
	Dallas		2,704,031				4
	Eart Worth		4,040,913				4
ТΧ			6 260 027				
			0,369,027				4
	j san Antonio		2,716,484				4

+ Local regions were selected for inclusion if they approximated the largest metropolitan statistical areas (MSAs) by population per census regions based on April 1, 2010, United States Census Data. Please note that referral areas do not exactly match with MSAs and population estimates between these two geographic areas may differ. The Manhattan area includes Manhattan, Brooklyn, and Staten Island.

Quartile

Note: Each HKR's potentially avoidable hospital use and cost dimension summary score was divided by the all-average dimension summary score for all HRRs. A value of 1.0 indicates average performance in this dimension, values lower than 1.0 indicate lower-than average performance, and values higher than 1.0 indicate higher-than-average performance.

Access

Performance Is Lower in Places with a Higher Proportion of Residents Living in Poverty

○ Northeast ○ South ● Midwest ● West

Percent of residents (all ages) living at or below federal poverty level **Prevention and Treatment**

Percent of residents (all ages) living at or below federal poverty level

Note: Each dot represents one of 306 hospital referral regions.

Dimension Rankings Among Low-Poverty and High-Poverty Areas

HRR = hospital referral region; FPL = federal poverty level.

IMPACT OF IMPROVED PERFORMANCE

National Cumulative Impact if All Local Areas Achieved Top 1 Percent of Regional Performance

Indicator	If all local areas in (top 1 percentile)	proved their performance to the level of the best-performing areas for this indicator, then:
Insured adults	25,565,997	more adults (ages 18–64) would be covered by health insurance (public or private), and therefore would be more likely to receive health care when needed.
Insured children	4,586,316	more children (ages 0–17) would be covered by health insurance (public or private), and therefore would be more likely to receive health care when needed.
Adults with a usual source of care	25,002,702	more adults (age 18 and older) would have a usual source of care to help ensure that care is coordinated and accessible when needed.
Adult preventive care	9,432,924	more adults (age 50 and older) would receive recommended preventive care, such as colon cancer screenings, mammograms, Pap tests, and flu shots at appropriate ages.
Avoidable hospital admissions	883,209	fewer hospitalizations for ambulatory care–sensitive conditions would occur among Medicare beneficiaries (age 65 and older), and
	\$6.8 billion	dollars would be saved from the reduction in hospitalizations.
Medicare readmissions	463,708	fewer hospital readmissions would occur among Medicare beneficiaries (age 65 and older).
Hospitalization of nursing home	140,795	fewer long-stay nursing home residents would be hospitalized, and
residents	\$1.3 billion	dollars would be saved from the reduction in hospitalizations.
Inappropriate drug prescribed	1,293,296	fewer Medicare beneficiaries would receive an inappropriately prescribed medication.