

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec, and Penobscot Counties, FY2009 & FY2010

About the Project

The Camden Coalition of Healthcare Providers (CCHP) is a nine-year old strategic initiative with a mission to improve the quality, capacity, and accessibility of the healthcare system for vulnerable populations in the City of Camden. The Camden Coalition of Healthcare Providers has compiled the Camden Health Database, a citywide all-payor, all-provider claims database that contains data on all hospital encounters from 2002 through 2010. The Camden Health Database has shown to be a tremendous tool for quantifying and analyzing local health trends. Using its expertise in managing and analyzing claims data, CCHP has analyzed 2 years of Medicaid claims data from the MaineCare database. Data was extracted for three counties (Cumberland, Kennebec, and Penobscot) for the 2009 and 2010 fiscal years.

Summary of Findings

For the study area in 2009, MaineCare paid \$123.7 million for 73,821 ED visits and 12,877 Inpatient (IP) visits made by 38,485 unique patients. For the study area in 2010, MaineCare paid \$136.8 million for 78,723 ED visits and 12,880 Inpatient visits made by 41,339 unique patients.

614 (1%) of patients accounted for 31.6% of total hospital costs during the 2 year period ; 12,228 (20%) patients accounted for 87% of costs during the 2 year period.

High utilizer patients are defined as those patients with 6 or more ED visits and/or 3 or more IP visits during the 2 year time period. 6,121 patients (9.9%) met this "High Utilizer" definition. While High Utilizer's represented less than 10% of all MaineCare patients they accounted for 46% of all hospital costs.

Inpatient High Utilizers

The three most prevalent inpatient diagnosis for High Utilizers were "alcohol-related disorders", "mood disorders", and "chronic obstructive pulmonary disease and bronchiectasis". Inpatient High Utilizers are 2.12 times more likely to have an Inpatient stay with a diagnosis of "alcohol-related disorders" compared to non-High Utilizers, 1.97 times more likely to have an inpatient stay with a diagnosis of "chronic obstructive pulmonary disease and bronchiectasis", and 1.81 times more likely to have a diagnosis of "diabetes" compared to non-High Utilizers. 72% of all IP High Utilizers were over age 34

ED High Utilizers

The three most prevalent emergency department diagnosis for High Utilizers were "sprains and strains", "disorders of teeth and jaw", and "other upper respiratory infections". ED High Utilizers are 1.46 times more likely to have an ED visit with a diagnosis of "anxiety disorders" compared to non-High Utilizers, 1.46 times more likely to have an ED visit with a diagnosis of "spondylosis; intervertebral disc disorders; other back problems", and 1.38 times more likely to have a diagnosis of "Headache; including migraine". 67% of all ED High Utilizers were under age 35

Portland (993), Bangor (462), Waterville (426) and Augusta (357) had the highest prevalence of High Utilizer patients. Together, these four towns contain 46% of all high utilizers. Of all towns with at least 200 MaineCare members, Waterville (14.95%), Lincoln (12.78%), and Winslow (12.25%) had the highest rate of High Utilizers.



**Camden Coalition of
Healthcare Providers**

www.camdenhealth.org

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties: 7/1/2008 - 6/30/2010

Total Patients, Visits, and Costs*, ED and Inpatient

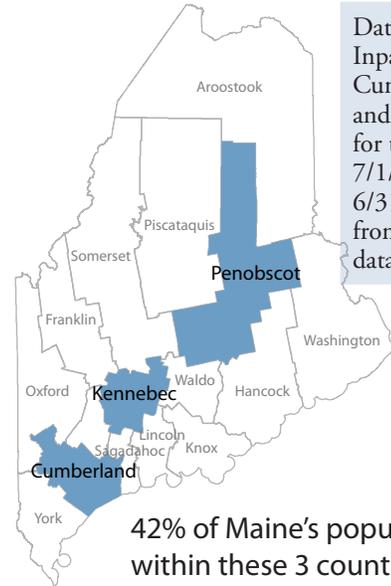
Emergency Room

Year	Patients	Visits	Charged	Allowed	Paid
FY09	35,270	73,821	\$63,973,283	\$47,651,409	\$25,681,140
FY10	37,931	78,723	\$72,429,885	\$54,342,377	\$30,072,805

Inpatient

Year	Patients	Visits	Charged	Allowed	Paid
FY09	7,310	12,877	\$167,713,214	\$152,870,768	\$98,025,526
FY10	7,691	12,880	\$186,698,504	\$168,151,559	\$106,692,703

Fiscal years (FYs) begin 7/1 and ends 6/30



Data Source: All ED and Inpatient claims for Cumberland, Kennebec, and Penobscot counties for the period beginning 7/1/2008 and ending 6/31/2010, extracted from the MaineCare State database.

42% of Maine's population lives within these 3 counties

Concentration of Total ED and Inpatient Costs*

Top % by cost	Patients	Total Paid (in millions)		Inpatient		Emergency Department	
		Amount	Percent	Visits	Percent	Visits	Percent
1 percent	614	\$82.2	31.6%	3,260	15.3%	4,951	3.3%
5 percent	3,069	\$154.7	59.4%	8,765	41.1%	17,552	11.7%
10 percent	6,138	\$190.9	73.3%	12,578	59.0%	29,925	19.9%
20 percent	12,276	\$226.5	86.9%	17,980	84.3%	49,415	32.8%
30 percent	18,414	\$240.6	92.4%	19,627	92.0%	74,839	49.7%
40 percent	24,552	\$247.4	95.0%	19,894	93.3%	94,249	62.6%
60 percent	36,828	\$255.0	97.9%	20,189	94.7%	119,857	79.6%
80 percent	49,104	\$258.9	99.4%	20,397	95.6%	136,402	90.6%
100 percent	61,380	\$260.5	100.0%	21,327	100.0%	150,492	100.0%

top 1% of patients
31.6% of costs

next 4% of patients
27.8% of costs

next 5%
13.9% of costs

next 10%
13.6% of costs

bottom 80%
13.1% of costs

20% of patients account for 86.9% of costs

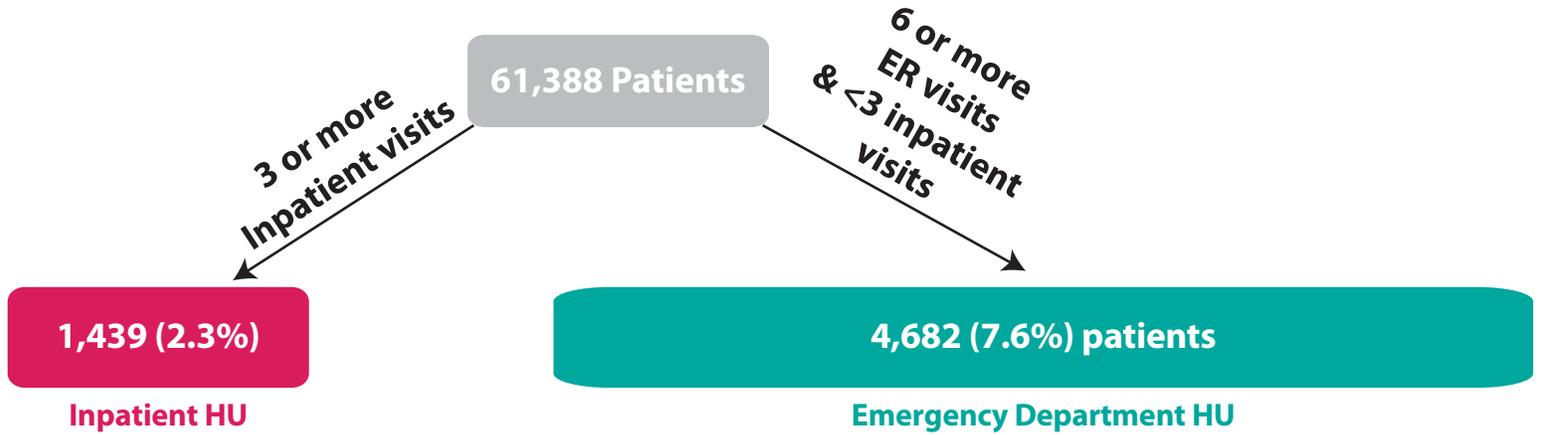
Distribution of ED & Inpatient Visits

	Inpatient				Emergency Department					
	Visits	Patients	Percent	Total Paid (in millions) per Patient	Visits	Count	Percent	Total Paid (in millions) Per Patient		
High Utilizers	1	10,190	74.6%	\$80.6	\$7,912	1	26,504	46.8%	\$9.5	\$358
	2	2,038	14.9%	\$39.8	\$19,507	2-3	19,095	33.7%	\$15.7	\$823
	3-5	1,136	8.3%	\$48.1	\$42,299	4-5	5,914	10.4%	\$9.2	\$1,551
	6-10	248	1.8%	\$27.0	\$108,704	6-10	3,805	6.7%	\$10.6	\$2,783
	11-20	51	0.4%	\$8.0	\$157,319	11-25	819	1.4%	\$4.1	\$5,006
	>20	4	0.0%	\$1.3	\$324,204	26-50	265	0.5%	\$2.1	\$7,673
	All	13,667		\$204.7	\$14,979	51-100	100	0.2%	\$1.0	\$10,329
High Utilizers	1,439	10.5%	\$84.3	\$58,605	100-200	144	0.3%	\$2.2	\$15,089	
					>200	35	0.1%	\$1.0	\$28,890	
					All	56,687		\$55.8	\$983	
					High Utilizers	5,168	9.1%	\$20.9	\$4,134	

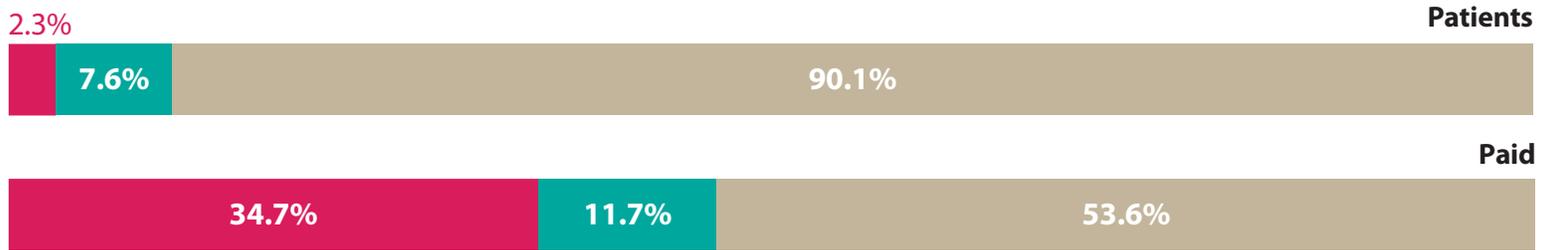
*Costs throughout this report reflect claim payments and do not consider any off-claim settlements or adjustments. General acute hospital payments are estimated based on a proportion (cost to charge ratio) of the allowed amount on the claim.

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

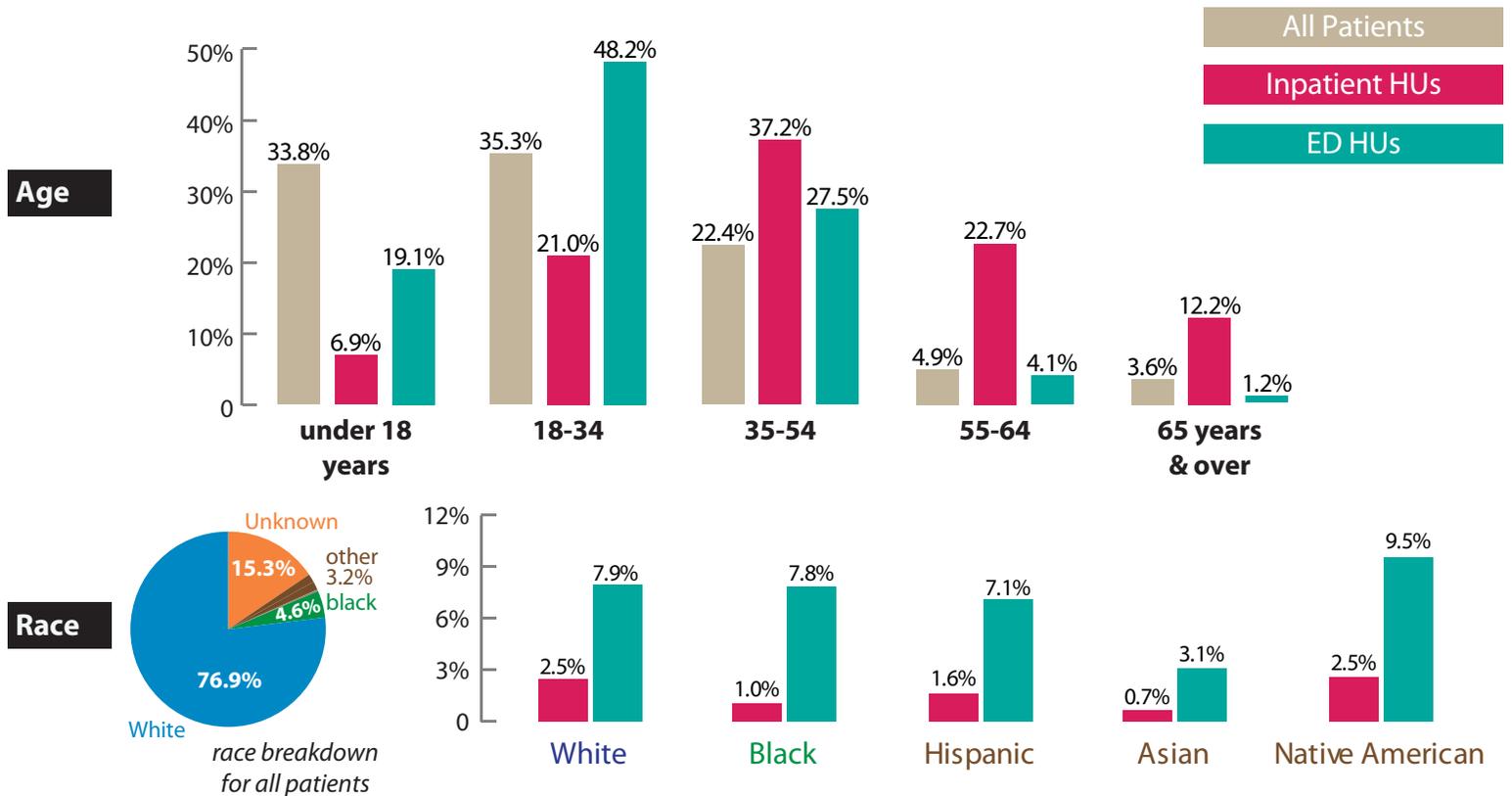
How we define a High Utilizer



High Utilizers as a percentage of all patients and costs



Demographic profile of patients



MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

Cumberland, Kennebec and Penobscot MaineCare patients by inpatient and emergency visits, FY09 – FY10			
Emergency Department Visits	Inpatient Visits		
	0 - 1	2	3 or more
0 to 3	Normal Utilization Range Patients: 39,246 (79%) Total ED amount paid: \$19.5 million (44%) Avg ED amount paid per visit: \$348 Total IP amount paid: \$56.6 million (33%) Avg IP amount paid per visit: \$7,911	Potential High INP Utilizers Patients: 1,335 (3%) Total ED amount paid: \$1.0 million (2%) Avg ED amount paid per visit: \$490 Total IP amount paid: \$26.1 million (16%) Avg IP amount paid per visit: \$9,790	High Inpatient Utilizers Patients: 1,132 (2%) Total ED amount paid: \$4.5 million (10%) Avg ED amount paid per visit: \$588 Total IP amount paid: \$66.0 million (41%) Avg IP amount paid per visit: \$12,616
4 to 5	Potential High ED Utilizers Patients: 4,425 (9%) Total ED amount paid: \$6.6 million (15%) Avg ED amount paid per visit: \$341 Total IP amount paid: \$5.0 million (3%) Avg IP amount paid per visit: \$6,783	High ED Utilizers Potential High INP Patients: 326 (1%) Total ED amount paid: \$1.7 million (4%) Avg ED amount paid per visit: \$463 Total IP amount paid: \$4.8 million (3%) Avg IP amount paid per visit: \$7,380	
6 or more	High ED Utilizers Patients: 3,422 (7%) Total ED amount paid: \$11.5 million (26%) Avg ED amount paid per visit: \$363 Total IP amount paid: \$6.2 million (4%) Avg IP amount paid per visit: \$7,698		

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

Most Prevalent High Utilizer ED Diagnoses

Rank	Primary Diagnosis	High Utilizer Incidence	Total Incidence	odds ratio
1	Sprains and strains	2,672	8,408	1.08
2	Disorders of teeth and jaw	2,604	6,658	1.34
3	other upper respiratory infections	2,556	10,381	0.82
4	Superficial injury; contusion	2,535	9,080	0.94
5	Abdominal pain	2,472	6,897	1.22
6	Spondylosis; intervertebral disc disorders; other back problems	1,855	4,347	1.46
7	Headache; including migraine	1,279	3,149	1.38
8	Skin and subcutaneous tissue infections	1,180	3,476	1.15
9	Mood disorders	1,168	3,101	1.28
10	Otitis media and related conditions	1,068	4,865	0.73
11	Other connective tissue disease	971	2,832	1.16
12	Other nervous system disorders	929	2,311	1.36
13	Urinary Tract Infection	870	2,793	1.05
14	Other non-traumatic joint disorders	801	2,138	1.27
15	Nonspecific chest pain	792	2,959	0.90
16	Nausea and vomiting	782	2,629	1.00
17	Anxiety disorders	765	1,780	1.46
18	Other complications of pregnancy	727	2,270	1.08
19	Asthma	709	2,224	1.08
20	Other lower respiratory disease	698	2,596	0.91

Most Prevalent High Utilizer Inpatient Diagnoses

Rank	Primary Diagnosis	High Utilizer Incidence	Total Incidence	odds ratio
1	Alcohol-related disorders	593	914	2.12
2	Mood disorders	256	746	1.07
3	Chronic obstructive pulmonary disease and bronchiectasis	239	392	1.94
4	Pneumonia	185	538	1.08
5	Complication of device; implant or graft	179	296	1.91
6	Complications of surgical procedures or medical	175	339	1.63
7	Nonspecific chest pain	174	367	1.49
8	Substance-related disorders	174	680	0.79
9	Diabetes	171	299	1.81
10	Pancreatic disorders (not diabetes)	158	292	1.71
11	Septicemia (except in labor)	155	346	1.41
12	Rehabilitation care; fitting of prostheses; and	145	253	1.81
13	Respiratory failure; insufficiency; arrest (adult)	140	233	1.89
14	Maintenance chemotherapy; radiotherapy	130	143	2.87
15	Congestive heart failure; nonhypertensive	123	220	1.76
16	Fluid and electrolyte disorders	117	247	1.49
17	Other complications of pregnancy	115	608	0.58
18	Coronary atherosclerosis and other heart disease	112	238	1.48
19	Skin and subcutaneous tissue infections	111	356	0.97
20	Schizophrenia and other psychotic disorders	107	263	1.27

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

ED diagnoses for all individuals under 18 years old

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
Other upper respiratory infections	4,390	5,368	\$2,418,647	\$1,128,656
Otitis media and related conditions	3,018	3,796	\$1,610,963	\$806,380
Superficial injury; contusion	2,927	3,289	\$1,689,790	\$689,227
Fever of unknown origin	1,730	2,011	\$1,198,701	\$552,812
Viral Infection	1,526	1,673	\$774,510	\$342,159
Open wounds of head; neck; and trunk	1,511	1,630	\$1,065,351	\$556,887
Sprains and strains	1,387	1,601	\$1,000,689	\$388,633
Other injuries and conditions due to external causes	1,278	1,368	\$935,037	\$390,978
Allergic reactions	1,103	1,215	\$467,479	\$244,624
Nausea and vomiting	976	1,094	\$602,589	\$294,256
Open wounds of extremities	1,025	1,086	\$723,160	\$365,145
Abdominal pain	899	1,057	\$1,239,219	\$417,107
Fracture of upper limb	855	914	\$1,106,261	\$501,458
Other lower respiratory disease	758	805	\$459,724	\$225,815
Asthma	624	792	\$608,546	\$297,042
Inflammation; infection of eye (except that caused by tuberculosis)	634	671	\$234,941	\$120,414
Other ear and sense organ disorders	595	645	\$240,129	\$123,289
Skin and subcutaneous tissue infections	548	637	\$338,613	\$163,241
Pneumonia	550	614	\$573,171	\$239,203
Other skin disorders	566	601	\$210,073	\$107,325
Other gastrointestinal disorders	502	550	\$338,141	\$138,201
Noninfectious gastroenteritis	523	547	\$346,004	\$149,354
Attention-deficit, conduct, and disruptive behavior disorders	365	546	\$382,679	\$196,561
Urinary Tract Infection	417	480	\$351,113	\$136,843
Influenza	459	476	\$262,782	\$118,703
Acute bronchitis	431	468	\$357,120	\$165,635

Inpatient diagnoses for all individuals under 18 years old

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
Pneumonia	141	179	\$1,424,997	\$855,393
Acute bronchitis	129	156	\$1,310,839	\$771,710
Asthma	104	146	\$708,316	\$416,705
Liveborn	67	93	\$3,760,772	\$2,198,113
Fluid and electrolyte disorders	71	87	\$381,808	\$226,747
Epilepsy; convulsions	68	86	\$902,186	\$542,781
Maintenance chemotherapy; radiotherapy	17	82	\$982,609	\$571,205
Appendicitis and other appendiceal conditions	54	69	\$970,338	\$601,638
Complication of device; implant or graft	38	69	\$1,759,369	\$1,026,929
Mood disorders	50	64	\$1,005,412	\$648,639
Other upper respiratory infections	50	58	\$280,446	\$165,777
Skin and subcutaneous tissue infections	49	55	\$458,521	\$277,133
Cardiac and circulatory congenital anomalies	33	53	\$2,731,951	\$1,608,390
Urinary Tract Infection	35	52	\$280,689	\$168,015
Other perinatal conditions	39	48	\$850,821	\$484,688
Fever of unknown origin	36	43	\$583,191	\$342,886
Other gastrointestinal disorders	27	40	\$682,227	\$404,202
Complications of surgical procedures or medical	29	40	\$897,834	\$516,658

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

ED diagnoses for all individuals 18 - 49 years old

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
Sprains and strains	4,799	6,150	\$4,400,980	\$1,708,166
Disorders of teeth and jaw	3,593	6,005	\$2,865,540	\$1,474,033
Abdominal pain	3,482	5,200	\$8,962,659	\$2,821,222
Superficial injury; contusion	3,953	5,013	\$4,059,488	\$1,444,951
Other upper respiratory infections	3,819	4,639	\$2,365,519	\$1,056,093
Spondylosis; intervertebral disc disorders; other back problems	2,450	3,489	\$2,531,268	\$1,093,021
Headache; including migraine	1,783	2,581	\$2,940,309	\$1,201,590
Skin and subcutaneous tissue infections	1,641	2,444	\$1,812,431	\$847,147
Mood disorders	1,445	2,408	\$2,427,834	\$1,119,714
Other complications of pregnancy	1,562	2,300	\$2,162,912	\$1,007,451
Urinary Tract Infection	1,658	2,055	\$2,026,096	\$728,675
Other connective tissue disease	1,708	2,047	\$1,313,468	\$559,828
Open wounds of extremities	1,777	2,033	\$1,718,766	\$839,857
Nonspecific chest pain	1,447	1,948	\$3,760,319	\$1,520,138
Other nervous system disorders	1,435	1,845	\$1,550,292	\$609,043
Other non-traumatic joint disorders	1,236	1,495	\$949,001	\$398,175
Other injuries and conditions due to external causes	1,317	1,460	\$1,510,803	\$559,576
Anxiety disorders	1,017	1,389	\$1,114,052	\$505,725
Nausea and vomiting	1,080	1,370	\$1,587,187	\$662,348
Other lower respiratory disease	1,215	1,369	\$1,431,947	\$551,832
Chronic obstructive pulmonary disease and bronchiectasis	1,152	1,289	\$1,006,907	\$420,142
Asthma	889	1,219	\$1,069,547	\$489,771
Allergic reactions	1,024	1,194	\$644,506	\$321,939
Alcohol-related disorders	606	1,165	\$1,575,459	\$658,034
Viral Infection	1,016	1,082	\$739,802	\$294,090
Open wounds of head; neck; and trunk	914	1,029	\$1,041,280	\$446,792
Otitis media and related conditions	921	1,027	\$452,629	\$223,447

Inpatient diagnoses for all individuals 18 - 49 years old

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
OB-related trauma to perineum and vulva	988	1,122	\$6,615,152	\$4,245,861
Other complications of birth; puerperium affecting	647	780	\$6,674,315	\$4,138,255
Other complications of pregnancy	558	715	\$4,864,503	\$2,969,565
Substance-related disorders	520	696	\$4,298,701	\$2,993,821
Alcohol-related disorders	283	658	\$3,692,344	\$2,659,478
Mood disorders	415	614	\$5,967,122	\$3,773,585
Previous C-section	488	595	\$6,368,049	\$3,940,177
Prolonged pregnancy	459	522	\$4,212,755	\$2,611,158
Normal pregnancy and/or delivery	339	378	\$1,708,417	\$1,052,137
Polyhydramnios and other problems of amniotic	296	339	\$3,158,203	\$1,913,253
Fetal distress and abnormal forces of labor	263	305	\$2,701,620	\$1,701,147
Hypertension complicating pregnancy; childbirth and the	245	295	\$3,375,659	\$2,072,074
Early or threatened labor	216	279	\$1,973,410	\$1,190,771
Malposition; malpresentation	204	237	\$2,596,037	\$1,600,724
Skin and subcutaneous tissue infections	170	235	\$2,270,454	\$1,428,629
Pancreatic disorders (not diabetes)	118	223	\$2,782,116	\$1,650,512
Diabetes	82	217	\$2,109,560	\$1,272,322
Pneumonia	145	200	\$2,887,179	\$1,839,766
Nonspecific chest pain	115	197	\$1,533,994	\$971,080
Poisoning by other medications and drugs	115	187	\$1,388,190	\$887,053
Umbilical cord complication	167	183	\$1,111,741	\$690,508
Schizophrenia and other psychotic disorders	98	179	\$1,677,082	\$1,104,207

MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

ED diagnoses for all individuals 50 years and older

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
Nonspecific chest pain	662	967	\$2,309,369	\$895,309
Superficial injury; contusion	722	875	\$759,063	\$250,877
Abdominal pain	542	802	\$1,563,138	\$441,915
Spondylosis; intervertebral disc disorders; other back problems	533	776	\$534,284	\$213,568
Sprains and strains	595	745	\$601,735	\$219,601
Alcohol-related disorders	242	743	\$964,570	\$398,957
Chronic obstructive pulmonary disease and bronchiectasis	468	728	\$916,217	\$338,471
Other connective tissue disease	447	530	\$395,631	\$148,258
Disorders of teeth and jaw	346	480	\$217,815	\$110,669
Skin and subcutaneous tissue infections	333	469	\$379,231	\$156,278
Other lower respiratory disease	389	464	\$572,870	\$205,800
Other upper respiratory infections	375	456	\$267,276	\$102,372
Other nervous system disorders	330	422	\$474,965	\$171,989
Other non-traumatic joint disorders	327	407	\$268,303	\$101,825
Mood disorders	251	389	\$407,067	\$173,054
Headache; including migraine	241	366	\$411,279	\$158,360
Anxiety disorders	186	308	\$216,013	\$94,999
Open wounds of extremities	275	304	\$227,410	\$98,957
Urinary Tract Infection	226	294	\$305,534	\$91,883
Other injuries and conditions due to external causes	260	282	\$368,570	\$124,339
Asthma	154	249	\$255,132	\$112,481
Residual codes; unclassified	212	239	\$297,140	\$95,812
Nausea and vomiting	190	229	\$297,907	\$103,682
Conditions associated with dizziness or vertigo	191	227	\$291,753	\$93,501
Pneumonia	194	218	\$310,206	\$115,636

Inpatient diagnoses for all individuals 50 years and older

Primary Diagnosis for Visit	Patients	Visits	Charges	Paid
Chronic obstructive pulmonary disease and bronchiectasis	221	478	\$4,216,411	\$2,151,327
Alcohol-related disorders	175	416	\$2,920,169	\$2,042,556
Respiratory failure; insufficiency; arrest (adult)	112	294	\$4,400,332	\$2,396,912
Septicemia (except in labor)	172	292	\$7,720,849	\$4,377,668
Pneumonia	185	282	\$3,021,937	\$1,594,784
Nonspecific chest pain	168	250	\$1,733,547	\$1,029,170
Congestive heart failure; nonhypertensive	134	221	\$2,935,058	\$1,298,613
Coronary atherosclerosis and other heart disease	153	219	\$5,457,305	\$2,927,829
Acute myocardial infarction (AMI)	136	212	\$4,042,676	\$2,110,939
Rehabilitation care; fitting of prostheses; and	160	209	\$4,032,899	\$2,244,709
Mood disorders	117	194	\$2,977,767	\$1,677,150
Complications of surgical procedures or medical	122	177	\$3,877,685	\$2,121,142
Osteoarthritis	127	171	\$4,250,454	\$2,394,620
Schizophrenia and other psychotic disorders	71	164	\$1,810,266	\$951,985
Cardiac dysrhythmias	107	160	\$1,920,202	\$966,771
Complication of device; implant or graft	89	142	\$4,002,734	\$1,855,960
Skin and subcutaneous tissue infections	88	138	\$1,690,728	\$974,123
Acute cerebrovascular disease	94	128	\$3,179,557	\$1,468,345
Pancreatic disorders (not diabetes)	56	123	\$1,618,950	\$931,599
Acute and unspecified renal failure	85	122	\$1,376,749	\$613,959
Diabetes	80	122	\$1,760,447	\$950,450
Fluid and electrolyte disorders	86	115	\$695,339	\$432,150
Secondary malignancies	56	111	\$1,707,931	\$916,477
Urinary Tract Infection	65	104	\$1,077,308	\$441,643

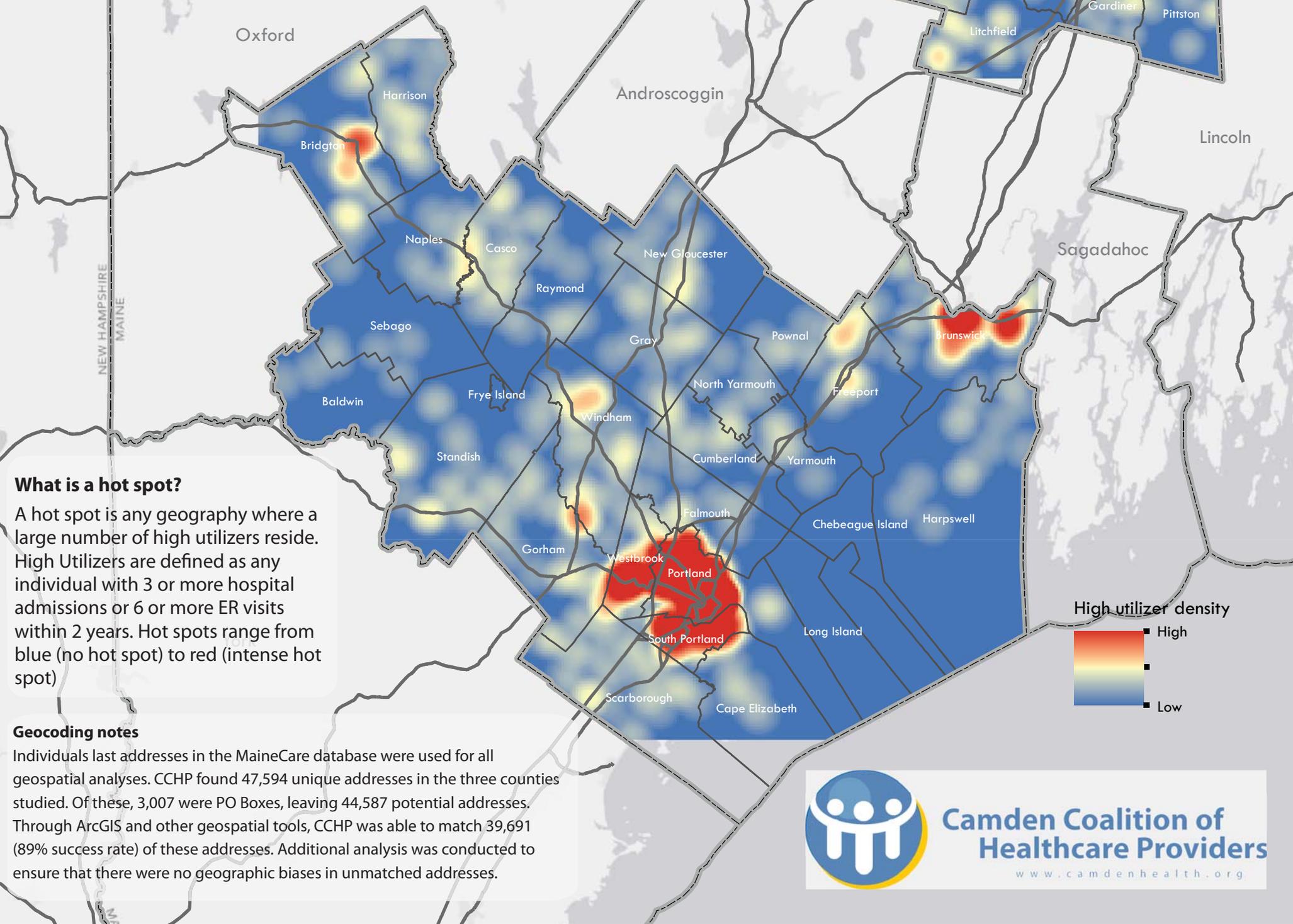
MaineCare Hospital Utilization Analysis for Cumberland, Kennebec and Penobscot Counties

Geographies

Town	Total members that reside in town	# of inpatient visits from residents of town	# of ED visits from residents of town	# of High Utilizers that are residents of town	Percent of town's members that are High Utilizers	This town has what percentage of all members	This town has what percentage of all High Utilizers	This town has what percentage of all inpatient visits	This town has what percentage of all ER visits
Enfield	129	28	371	20	15.50%	0.26%	0.41%	0.17%	0.31%
Waterville	2,849	834	8,957	426	14.95%	5.71%	8.73%	4.94%	7.43%
Veazie	97	37	241	14	14.43%	0.19%	0.29%	0.22%	0.20%
Lagrange	97	20	243	13	13.40%	0.19%	0.27%	0.12%	0.20%
Lincoln	947	256	2,648	121	12.78%	1.90%	2.48%	1.52%	2.20%
Winslow	939	286	2,473	115	12.25%	1.88%	2.36%	1.70%	2.05%
Newport	471	133	1,310	57	12.10%	0.94%	1.17%	0.79%	1.09%
Clifton	109	34	235	13	11.93%	0.22%	0.27%	0.20%	0.20%
Portland	8,360	3,007	23,728	993	11.88%	16.76%	20.35%	17.82%	19.69%
Pownal	59	18	124	7	11.86%	0.12%	0.14%	0.11%	0.10%
Brunswick	1,481	674	3,654	175	11.82%	2.97%	3.59%	3.99%	3.03%
Plymouth	195	39	540	23	11.79%	0.39%	0.47%	0.23%	0.45%
Alton	85	39	232	10	11.76%	0.17%	0.20%	0.23%	0.19%
Benton	391	114	973	46	11.76%	0.78%	0.94%	0.68%	0.81%
Oakland	786	195	2,089	92	11.70%	1.58%	1.89%	1.16%	1.73%
Millinocket	712	178	1,898	83	11.66%	1.43%	1.70%	1.05%	1.57%
Bradley	88	26	232	10	11.36%	0.18%	0.20%	0.15%	0.19%
Medway	108	34	271	12	11.11%	0.22%	0.25%	0.20%	0.22%
Augusta	3,237	1,158	8,235	357	11.03%	6.49%	7.32%	6.86%	6.83%
Clinton	399	113	1,052	44	11.03%	0.80%	0.90%	0.67%	0.87%
Casco	328	100	758	36	10.98%	0.66%	0.74%	0.59%	0.63%
Bangor	4,490	1,721	11,084	462	10.29%	9.00%	9.47%	10.20%	9.20%
Vassalboro	391	102	983	40	10.23%	0.78%	0.82%	0.60%	0.82%
Bridgton	560	182	1,331	57	10.18%	1.12%	1.17%	1.08%	1.10%
Chester	69	22	183	7	10.14%	0.14%	0.14%	0.13%	0.15%
Dexter	783	214	1,941	78	9.96%	1.57%	1.60%	1.27%	1.61%
Sidney	373	97	866	37	9.92%	0.75%	0.76%	0.57%	0.72%
Belgrade	215	74	539	21	9.77%	0.43%	0.43%	0.44%	0.45%
Randolph	270	94	659	26	9.63%	0.54%	0.53%	0.56%	0.55%
Exeter	105	37	225	10	9.52%	0.21%	0.20%	0.22%	0.19%
North Yarmouth	107	26	272	10	9.35%	0.21%	0.20%	0.15%	0.23%
Corinth	325	112	727	30	9.23%	0.65%	0.61%	0.66%	0.60%
Etna	168	63	434	15	8.93%	0.34%	0.31%	0.37%	0.36%
Cumberland	125	52	234	11	8.80%	0.25%	0.23%	0.31%	0.19%
East Millinocket	311	71	766	27	8.68%	0.62%	0.55%	0.42%	0.64%
Brewer	854	351	1,983	74	8.67%	1.71%	1.52%	2.08%	1.65%
Harpswell	188	69	403	16	8.51%	0.38%	0.33%	0.41%	0.33%
Westbrook	1,775	690	3,890	151	8.51%	3.56%	3.09%	4.09%	3.23%
Freeport	356	142	706	30	8.43%	0.71%	0.61%	0.84%	0.59%
Winthrop	460	188	900	38	8.26%	0.92%	0.78%	1.11%	0.75%
South Portland	2,027	604	4,590	167	8.24%	4.06%	3.42%	3.58%	3.81%
other towns	13,705	4,499	26,704	866	6.32%	21.6%	15.07%	21.05%	18.14%
All Geographies	49,886	16,873	120,515	4,880	9.78%	100.00%	100.00%	100.00%	100.00%

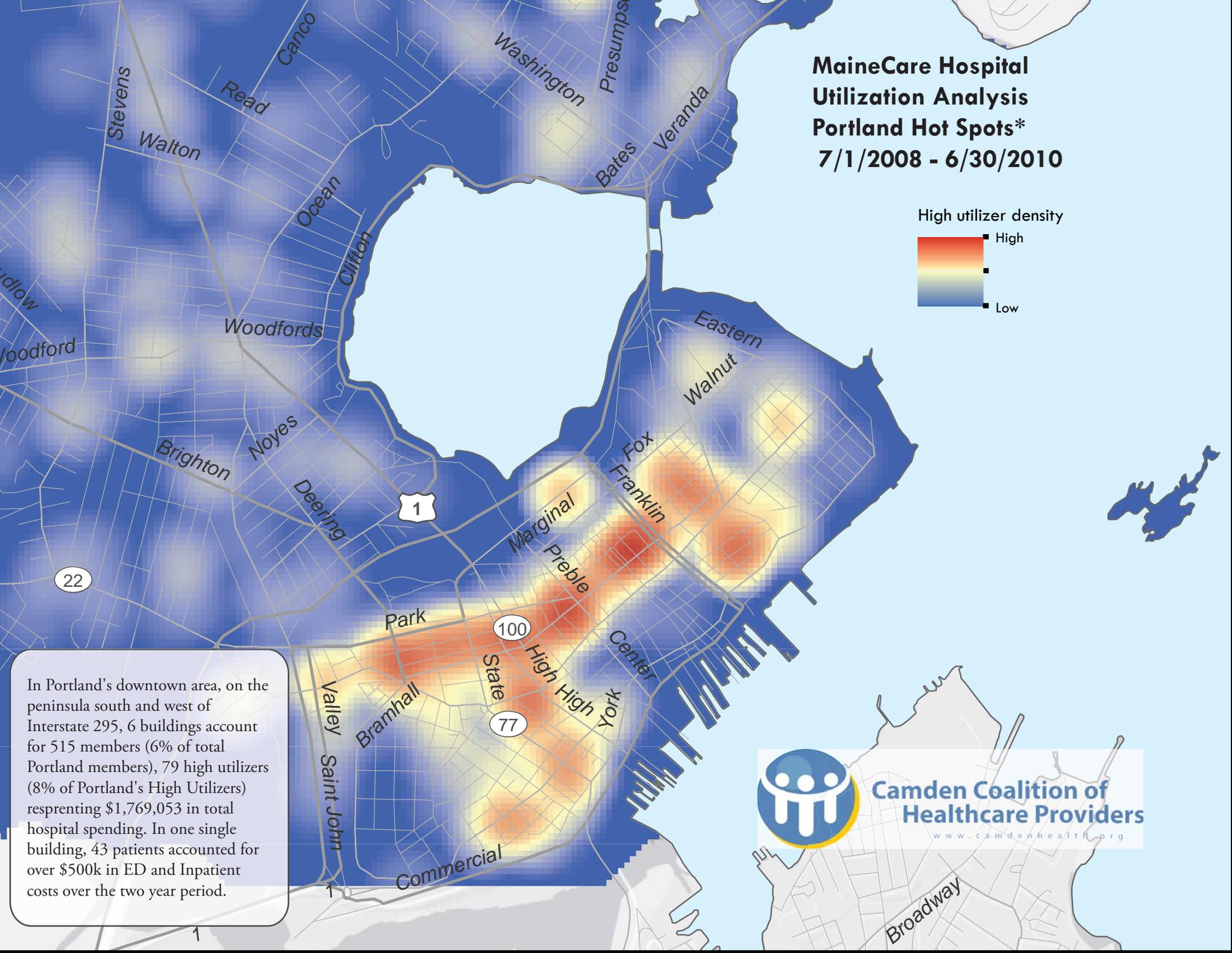
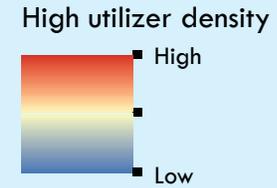
MaineCare Hot Spot* Analysis: Cumberland County

7/1/2008 - 6/30/2010



Camden Coalition of Healthcare Providers
www.camdenhealth.org

MaineCare Hospital Utilization Analysis Portland Hot Spots* 7/1/2008 - 6/30/2010

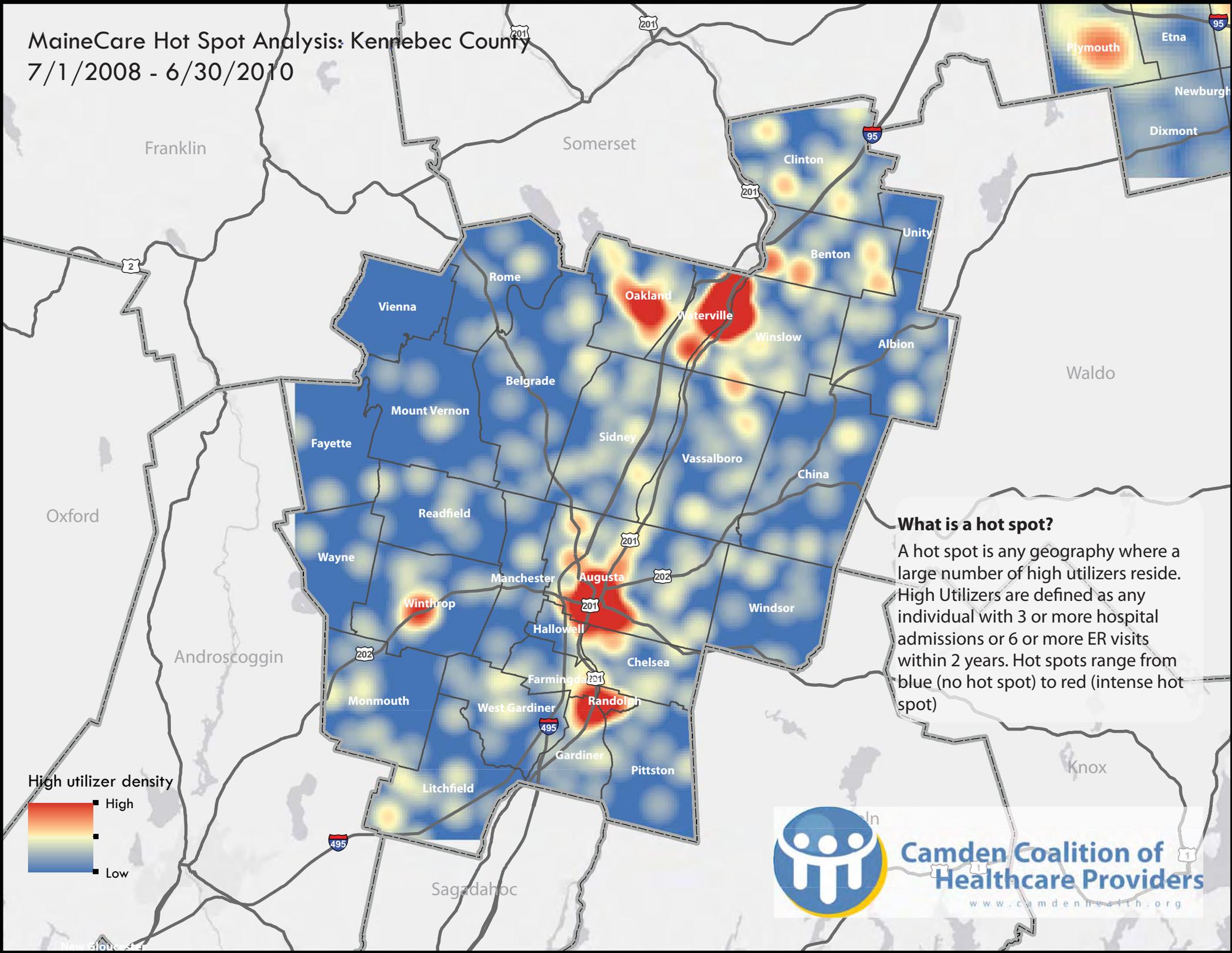


In Portland's downtown area, on the peninsula south and west of Interstate 295, 6 buildings account for 515 members (6% of total Portland members), 79 high utilizers (8% of Portland's High Utilizers) representing \$1,769,053 in total hospital spending. In one single building, 43 patients accounted for over \$500k in ED and Inpatient costs over the two year period.

**Camden Coalition of
Healthcare Providers**
www.camdenhealth.org

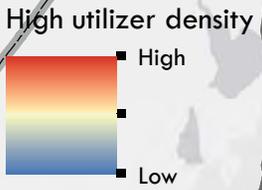
MaineCare Hot Spot Analysis: Kennebec County

7/1/2008 - 6/30/2010



What is a hot spot?

A hot spot is any geography where a large number of high utilizers reside. High Utilizers are defined as any individual with 3 or more hospital admissions or 6 or more ER visits within 2 years. Hot spots range from blue (no hot spot) to red (intense hot spot)

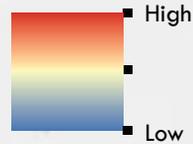


Camden Coalition of Healthcare Providers
www.camdenhealth.org

MaineCare Hotspot Analysis: Penobscot County

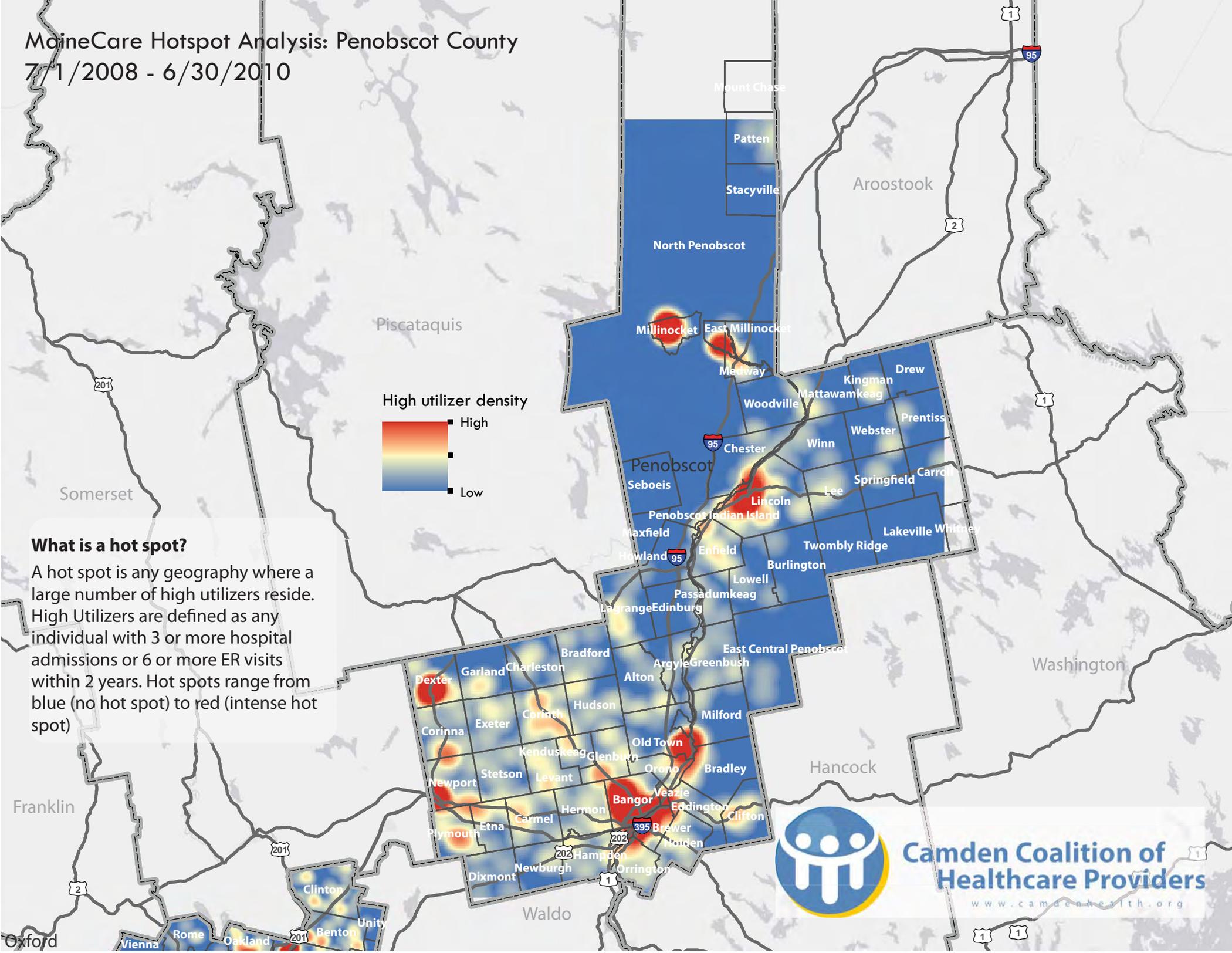
7/1/2008 - 6/30/2010

High utilizer density



What is a hot spot?

A hot spot is any geography where a large number of high utilizers reside. High Utilizers are defined as any individual with 3 or more hospital admissions or 6 or more ER visits within 2 years. Hot spots range from blue (no hot spot) to red (intense hot spot)



Camden Coalition of Healthcare Providers
www.camdenhealth.org