



# Hot Springs, Arkansas

Community Needs Assessment

May 2013

### Demographics

DEMOGRAPHIC CHARACTERISTICS									
	PSA	AR	USA			2012	2017	% Change	
2000 Total Population	180,331	2,673,949	281,421,906		Total Male Population	94,887	97,707	3.0%	
2012 Total Population	193,973	2,965,859	313,095,504		Total Female Population	99,086	102,124	3.1%	
2017 Total Population	199,831	3,103,237	325,256,835		Females, Child Bearing Age (15-44)	33,597	33,620	0.1%	
% Change 2012 - 2017	3.0%	4.6%	3.9%						
Average Household Income	\$46,969	\$50,187	\$67,315						
POPULATION DISTRIBUTION						HOUSEHOLD INCOME DISTRIBUTION			
Age Distribution						Income Distribution			
Age Group	2012	% of Total	2017	% of Total	USA 2012 % of Total	2012 Household Income	HH Count	% of Total	USA % of Total
0-14	34,055	17.6%	35,244	17.6%	20.2%	<\$15K	15,255	19.0%	13.0%
15-17	7,582	3.9%	7,282	3.6%	4.3%	\$15-25K	12,564	15.7%	10.8%
18-24	17,977	9.3%	19,076	9.5%	9.7%	\$25-50K	26,291	32.8%	26.7%
25-34	20,359	10.5%	21,451	10.7%	13.5%	\$50-75K	13,596	16.9%	19.5%
35-54	48,478	25.0%	45,100	22.6%	28.1%	\$75-100K	6,022	7.5%	11.9%
55-64	26,541	13.7%	27,470	13.7%	11.4%	Over \$100K	6,521	8.1%	18.2%
65+	38,981	20.1%	44,208	22.1%	12.9%				
<b>Total</b>	<b>193,973</b>	<b>100.0%</b>	<b>199,831</b>	<b>100.0%</b>	<b>100.0%</b>	<b>Total</b>	<b>80,249</b>	<b>100.0%</b>	<b>100.0%</b>
EDUCATION LEVEL						RACE/ETHNICITY			
Education Level Distribution						Race/Ethnicity Distribution			
2012 Adult Education Level	Pop Age 25+	% of Total	USA % of Total			Race/Ethnicity	2012 Pop	% of Total	USA % of Total
Less than High School	8,052	6.0%	6.3%			White Non-Hispanic	158,608	81.8%	62.8%
Some High School	13,636	10.1%	8.6%			Black Non-Hispanic	19,890	10.3%	12.3%
High School Degree	46,680	34.7%	28.7%			Hispanic	9,737	5.0%	17.0%
Some College/Assoc. Degree	41,431	30.8%	28.5%			Asian & Pacific Is. Non-Hispanic	1,237	0.6%	5.0%
Bachelor's Degree or Greater	24,560	18.3%	27.8%			All Others	4,501	2.3%	2.9%
<b>Total</b>	<b>134,359</b>	<b>100.0%</b>	<b>100.0%</b>			<b>Total</b>	<b>193,973</b>	<b>100.0%</b>	<b>100.0%</b>

Note: zip code-level data  
Source: Truven, 2012



### Emergency Department Visit Estimates by Age/Gender Groups and Acuity Status (Emergent vs. Urgent)

In the Hot Springs 6-County Primary Service Area, **57%** of all ED visits are **considered urgent**.

On a national scale, 62% of ED visits are considered urgent and **can likely be treated in different care settings**.

	Age Group	2012 Emergent Visits	2012 Urgent Visits	2012 Total ED Visits
Female	0-17	1,631	6,466	8,097
	18-44	5,070	12,826	17,896
	45-64	5,775	5,864	11,639
	65+	9,629	3,159	12,788
Male	0-17	1,673	7,022	8,695
	18-44	3,180	7,747	10,926
	45-64	4,128	4,867	8,995
	65+	6,498	2,201	8,699
<b>Total</b>		<b>37,584</b>	<b>50,151</b>	<b>87,735</b>

The **18-44 age cohort** account for **33% of all ED visits** in the Hot Springs PSA

- ▶ Within that age group, the majority of visits (71%) are urgent (non-emergent)

Source: Truven Emergency Department Estimates, 2012

### Top ED Diagnosis Codes

Diagnosis	3-digit ICD9	Volume	%
SYMPTOMS INVOLVING RESPIRATORY SYSTEM/CHEST	786	3,351	10.0%
OTHER SYMPTOMS INVOLVING ABDOMEN & PELVIS	789	2,826	8.4%
GENERAL SYMPTOMS	780	2,173	6.5%
SYMPTOMS INVOLVING HEAD & NECK	784	908	2.7%
DISORDERS OF URETHRA & URINARY TRACT NEC	599	817	2.4%
SYMPTOMS INVOLVING DIGESTIVE SYSTEM	787	788	2.4%
ASTHMA	493	721	2.2%
OTHER & UNSPECIFIED BACK DISORDER	724	650	1.9%
INJURY NEC & NOS	959	621	1.9%
OTHER DIAGNOSES	XXX	588	1.8%

**Emergent**

**Urgent**

Diagnosis	3-digit ICD9	Volume	%
OTHER DIAGNOSES	XXX	1,811	3.5%
OTHER & UNSPECIFIED BACK DISORDER	724	1,731	3.4%
ACUTE UPPER RESPIRATORY INFECTION MULT SITES NOS	465	1,612	3.1%
GENERAL SYMPTOMS	780	1,483	2.9%
OTHER CELLULITIS & ABSCESS	682	1,357	2.6%
OTHER SYMPTOMS INVOLVING ABDOMEN & PELVIS	789	1,349	2.6%
BACK SPRAINS & STRAINS NEC & NOS	847	1,345	2.6%
SYMPTOMS INVOLVING RESPIRATORY SYSTEM/CHEST	786	1,285	2.5%
SUPPURATIVE/NOS OTITIS MEDIA	382	1,227	2.4%
SYMPTOMS INVOLVING HEAD & NECK	784	1,108	2.1%

Source: Truven Outpatient Health Profiles, 2012

### Chronic Conditions Identified Among 18+ Population in the PSA

Disease	Prevalent Cases	% of 18+ Pop	Prevalent Cases Ages 18-64		Prevalent Cases Ages 65+	
			Count	% of Total Cases	Count	% of Total Cases
Pain/Aching of Joints	54,763	36%	35,645	65%	19,118	35%
Hypertension	51,949	34%	27,712	53%	24,236	47%
Low Back Pain	44,566	29%	32,120	72%	12,446	28%
Arthritis	41,825	27%	21,588	52%	20,237	48%
Sinusitis	21,559	14%	15,854	74%	5,705	27%
Migraine Headaches	21,246	14%	19,184	90%	2,062	10%
Asthma	19,296	13%	14,988	78%	4,308	22%
Depression/Anxiety	18,084	12%	14,271	79%	3,813	21%
Diabetes	14,675	10%	7,304	50%	7,372	50%
Hay Fever	12,754	8%	9,895	78%	2,859	22%
Hearing Impairment	11,363	7%	4,515	40%	6,847	60%
Coronary Heart Disease	8,847	6%	2,801	32%	6,046	68%
Chronic Bronchitis	7,406	5%	5,016	68%	2,391	32%
Heart Attack	6,818	4%	2,274	33%	4,544	67%
Stroke	5,311	3%	1,901	36%	3,410	64%
Angina	4,342	3%	1,784	41%	2,559	59%
Emphysema	3,648	2%	1,359	37%	2,288	63%
Congestive Heart Failure	3,602	2%	1,089	30%	2,513	70%
Ulcers	2,910	2%	2,185	75%	725	25%
Weak/Failing Kidneys	2,903	2%	1,360	47%	1,542	53%
Breast Cancer	2,783	2%	968	35%	1,815	65%
Prostate Cancer	2,236	1%	436	20%	1,800	81%
Liver Condition	2,175	1%	1,695	78%	480	22%
Skin Cancer	1,459	1%	614	42%	845	58%
Cervical Cancer	1,134	1%	914	81%	220	19%
Colon/Rectal Cancer	1,102	1%	276	25%	827	75%
Uterine Cancer	642	0%	310	48%	332	52%
Lung Cancer	431	0%	111	26%	320	74%

### Chronic Conditions Identified Among 18+ Population in the county

Disease	Prevalent Cases	% of 18+ Pop	Prevalent Cases Ages 18-64		Prevalent Cases Ages 65+	
			Count	% of Total Cases	Count	% of Total Cases
Pain/Aching of Joints	30,271	37%	18,570	61%	11,701	39%
Hypertension	29,219	36%	14,475	50%	14,744	51%
Low Back Pain	24,147	30%	16,487	68%	7,659	32%
Arthritis	23,877	29%	11,492	48%	12,385	52%
Sinusitis	11,691	14%	8,195	70%	3,495	30%
Migraine Headaches	10,974	13%	9,718	89%	1,256	11%
Asthma	10,220	13%	7,581	74%	2,639	26%
Depression/Anxiety	9,532	12%	7,208	76%	2,325	24%
Diabetes	8,307	10%	3,851	46%	4,455	54%
Hay Fever	6,941	9%	5,162	74%	1,779	26%
Hearing Impairment	6,647	8%	2,391	36%	4,256	64%
Coronary Heart Disease	5,248	6%	1,497	29%	3,751	72%
Chronic Bronchitis	4,094	5%	2,618	64%	1,476	36%
Heart Attack	4,035	5%	1,211	30%	2,824	70%
Stroke	3,055	4%	1,001	33%	2,054	67%
Angina	2,549	3%	956	38%	1,593	63%
Emphysema	2,168	3%	738	34%	1,430	66%
Congestive Heart Failure	2,125	3%	584	28%	1,541	73%
Breast Cancer	1,637	2%	538	33%	1,099	67%
Weak/Failing Kidneys	1,634	2%	706	43%	928	57%
Ulcers	1,566	2%	1,129	72%	436	28%
Prostate Cancer	1,356	2%	234	17%	1,123	83%
Liver Condition	1,191	1%	892	75%	299	25%
Skin Cancer	867	1%	331	38%	535	62%
Colon/Rectal Cancer	646	1%	148	23%	498	77%
Cervical Cancer	619	1%	483	78%	136	22%
Uterine Cancer	373	0%	171	46%	203	54%
Lung Cancer	252	0%	59	23%	194	77%



# County Health Ranking

\* 90th percentile, i.e., only 10% are better.

\*\* Data should not be compared with prior years due to changes in definition.

Note: Blank values reflect unreliable or missing data

Source: 2013 County Health Rankings provided by the Robert Wood Johnson Foundation and University of Wisconsin Population Health Institute  
[www.countyhealthrankings.org](http://www.countyhealthrankings.org)

	Garland County	Error Margin	National Benchmark*	Arkansas	Rank (of 75 counties)
<b>HEALTH OUTCOMES</b>					<b>38</b>
Mortality					38
Premature death	9,962	9,228-10,696	9,290	5,317	
Morbidity					39
Poor or fair health	18%	15-22%	19%	10%	
Poor physical health days	4.2	3.3-5.0	4.1	2.6	
Poor mental health days	5.3	4.2-6.5	3.9	2.3	
Low birth weight	9.2%	8.5-9.8%	9.1%	6.0%	
<b>HEALTH FACTORS</b>					<b>20</b>
Health Behaviors					24
Adult smoking	26%	22-30%	23%	13%	
Adult obesity	28%	24-32%	32%	25%	
Physical inactivity	28%	25-32%	31%	21%	
Excessive drinking	15%	12-19%	13%	7%	
Motor vehicle crash death rate	25	21-28	23	10	
Sexually transmitted infections	334		529	92	
Teen birth rate	57	54-61	59	21	
Clinical Care					12
Uninsured	23%	21-25%	21%	11%	
Primary care physicians**	1,415:1		1,613:1	1,067:1	
Preventable hospital stays	1,822:1		2,571:1	1,516:1	
Diabetic screening	59	55-63	79	47	
Mammography screening	85%	80-90%	82%	90%	
Social & Economic Factors					44
High school graduation	82%		81%		
Some college	52%	48-56%	53%	70%	
Unemployment	8.3%		8.0%	5.0%	
Children in poverty	32%	26-39%	28%	14%	
Inadequate social support	21%	17-25%	21%	14%	
Children in single-parent households	38%	32-43%	36%	20%	
Violent crime rate	629		508	66	
Physical Environment					13
Air pollution-particulate matter days	11.5	11.4-11.7	11.8	8.8	
Air pollution-ozone days	0%		9%	0%	
Access to recreational facilities	10		8	16	
Limited access to healthy foods	12%		8%	1%	
Fast food restaurants	42%		50%	27%	

### Children's Health Indicators

Children Under 5 Living in Poverty (Percent)				
1995	1997	1998	1999	2000
35.8%	34.5%	38.4%	31.2%	28.0%

Children Under 18 Living in Poverty (Percent)				
2006	2007	2008	2009	2010
25.4%	29.1%	26.1%	23.6%	38.0%

Children receiving TANF (Number)				
2007	2008	2009	2010	2011
521	565	542	533	447

Children receiving Food Stamps (Number)				
2007	2008	2009	2010	2011
7,364	7,591	8,222	8,408	9,518

Number of Head Start Slots Funded (Number)				
2007	2008	2009	2010	2011
223	223	223	223	223

Students receiving Free and Reduced School Lunches (Number)				
2006	2007	2008	2010	2011
7,161	7,307	7,588	8,318	8,657

Number of Children in Special Education (Number)				
2007	2008	2009	2010	2011
1,637	1,678	1,686	1,673	1,703

Children Enrolled in ARKids or Medicaid (Number)				
2007	2008	2009	2010	2011
11,855	12,481	12,436	12,914	13,472

Children in Single Parent Families (Percent)				
2000	2007	2008	2009	2010
25.2%	40.6%	39.6%	41.0%	37.4%

Pregnant Women Who Received No First Trimester Health Care (Percent)				
2006	2007	2008	2009	2010
23.6%	19.0%	18.5%	26.8%	23.5%

Infant Mortality (Rate)				
2006	2007	2008	2009	2010
8.3	4.3	5.1	10.2	8.5

Child Death Rate Per 100,000 (Ages 1-14) (Rate)				
2006	2007	2008	2009	2010
25.4	18.7	6.2	18.6	26.0

Teen Death Rate Per 100,000 (Ages 15-19) (Rate)				
2006	2007	2008	2009	2010
108.0	53.9	36.1	108.0	49.7

True Assessments of Child Maltreatment (Number)				
2007	2008	2009	2010	2011
230	192	184	183	177

Note: showing most recent years/data available

Source: The Annie E. Casey Foundation Kids Count Data Center; Arkansas Advocates for Children & Families' KIDS COUNT Indicators

[www.datacenter.kidscount.org](http://www.datacenter.kidscount.org)



Prepared by Mercy Planning Research

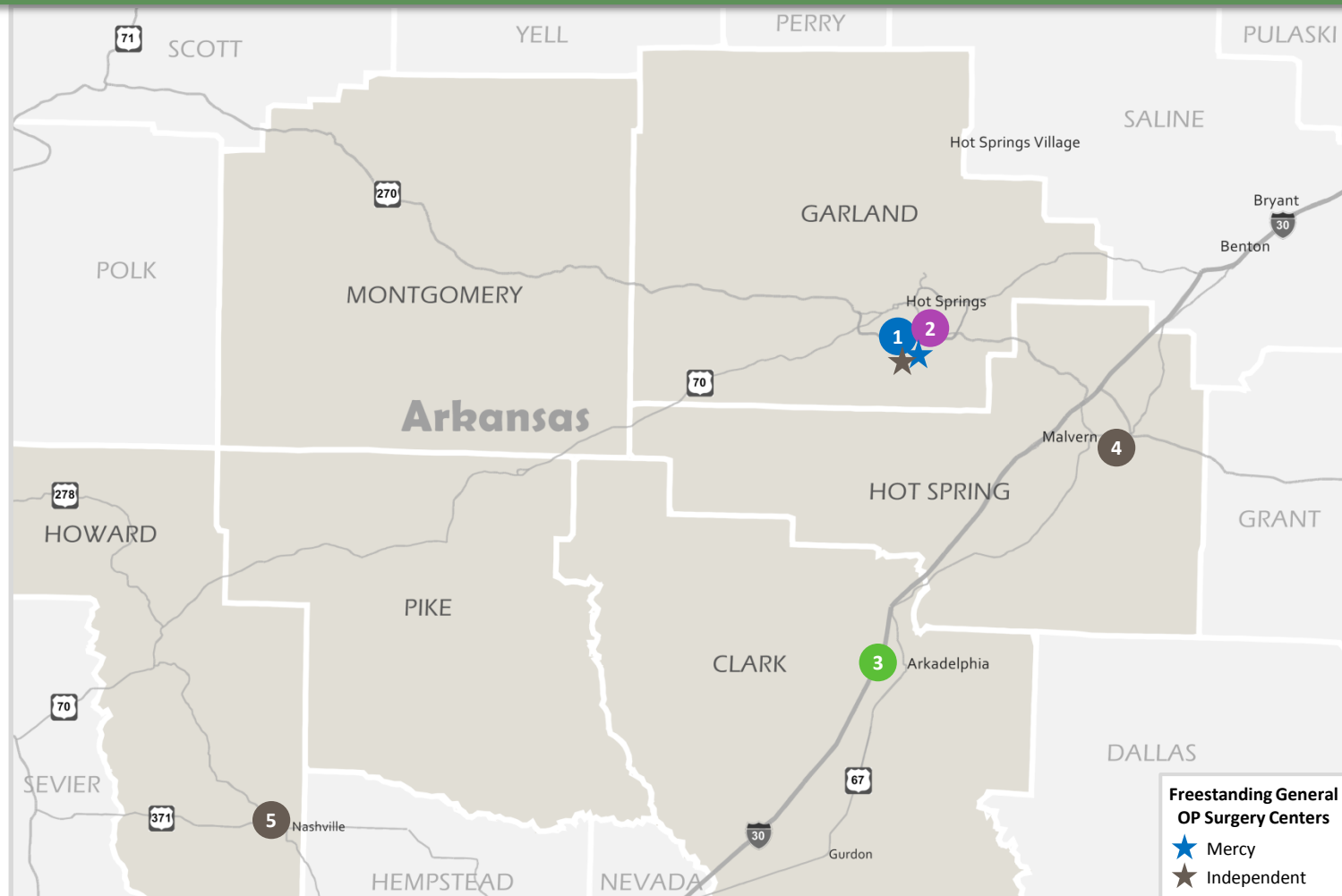


THE ANNIE E. CASEY FOUNDATION





# REGIONAL PROVIDERS Hot Springs 6-County PSA



Hospital	*indicates on-site ambulatory surgery center	System Affiliation
1	Mercy Hospital Hot Springs*	Mercy
2	National Park Medical Center*	Capella Healthcare
3	Baptist Health Medical Center-Arkadelphia*	Baptist Health
4	HSC Medical Center*	Independent
5	Howard Memorial Hospital*	Independent



Prepared by Mercy Planning Research

### Top Acute Inpatient Discharges

July 1, 2011 – June 30, 2012

**Note: Accounts for 22% of their total 11,801 Acute IP Discharges**

MSDRG Code	MSDRG Description	Inpatient Discharges	% of Total Inpatient Discharges	Age Breakouts									
				< 18	%	18-44	%	45-64	%	65-79	%	80+	%
775	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	610	5%	31	5%	579	95%	0	0%	0	0%	0	0%
470	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	450	4%	0	0%	11	2%	137	30%	215	48%	87	19%
392	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS W/O MCC	221	2%	6	3%	38	17%	80	36%	64	29%	33	15%
057	DEGENERATIVE NERVOUS SYSTEM DISORDERS W/O MCC	219	2%	0	0%	0	0%	6	3%	80	37%	133	61%
871	SEPTICEMIA OR SEVERE SEPSIS W/O MV 96+ HOURS W MCC	209	2%	0	0%	14	7%	61	29%	56	27%	78	37%
945	REHABILITATION W CC/MCC	198	2%	0	0%	8	4%	43	22%	69	35%	78	39%
194	SIMPLE PNEUMONIA & PLEURISY W CC	198	2%	6	3%	11	6%	36	18%	72	36%	73	37%
603	CELLULITIS W/O MCC	184	2%	22	12%	51	28%	58	32%	33	18%	20	11%
766	CESAREAN SECTION W/O CC/MCC	178	2%	5	3%	172	97%	1	1%	0	0%	0	0%
193	SIMPLE PNEUMONIA & PLEURISY W MCC	171	1%	0	0%	4	2%	45	26%	70	41%	52	30%
<b>TOTAL</b>		<b>2,638</b>	<b>22%</b>	<b>70</b>	<b>3%</b>	<b>888</b>	<b>34%</b>	<b>467</b>	<b>18%</b>	<b>659</b>	<b>25%</b>	<b>554</b>	<b>21%</b>

Source: Epic Hospital Billing Report

### Top Inpatient Admissions from the ED

July 1, 2011 – June 30, 2012

**Note: Accounts for 23% of their total 8,802 ED Admissions**

MSDRG Description	ED Inpatient Admissions	% of Total ED Inpatient Admissions	Age Breakouts									
			< 18	%	18-44	%	45-64	%	65-79	%	80+	%
Chest pain	642	7%	0	0%	67	10%	255	40%	234	36%	86	13%
Pneumonia	432	5%	10	2%	29	7%	80	19%	167	39%	146	34%
CHF (congestive heart failure)	159	2%	0	0%	5	3%	28	18%	59	37%	67	42%
Syncope	138	2%	1	1%	6	4%	28	20%	52	38%	51	37%
CVA (cerebral vascular accident)	136	2%	0	0%	9	7%	33	24%	49	36%	45	33%
Altered mental status	131	1%	0	0%	10	8%	43	33%	39	30%	39	30%
Dehydration	118	1%	9	8%	5	4%	22	19%	32	27%	50	42%
UTI (lower urinary tract infection)	104	1%	0	0%	6	6%	10	10%	40	38%	48	46%
Anemia	100	1%	0	0%	10	10%	25	25%	41	41%	24	24%
TIA (transient ischemic attack)	87	1%	0	0%	1	1%	26	30%	36	41%	24	28%
<b>TOTAL</b>	<b>2,047</b>	<b>23%</b>	<b>20</b>	<b>1%</b>	<b>148</b>	<b>7%</b>	<b>550</b>	<b>27%</b>	<b>749</b>	<b>37%</b>	<b>580</b>	<b>28%</b>

Source: Epic - Report ED0004: Inpatient admits from the ED (patient class includes emergency, inpatient, surgery, surgical OP/extended care, and observation)

### Top ED Visit Volume By ICD9 Codes

July 1, 2011 – June 30, 2012

**Note: Accounts for 14% of their total 39,675 ED Visit Volume**

ICD9 Code	Diagnosis	ED Volume	% of ED Volume	Age Breakouts									
				<18	%	18-44	%	45-64	%	65-79	%	80+	%
786.50	Chest pain, unspecified	832	2%	13	2%	198	24%	361	43%	176	21%	84	10%
599.0	Urinary tract infection, site not specified	716	2%	53	7%	277	39%	114	16%	131	18%	141	20%
784.0	Headache	617	2%	55	9%	311	50%	179	29%	52	8%	20	3%
486	Pneumonia, organism unspecified	587	1%	48	8%	61	10%	128	22%	184	31%	166	28%
724.2	Lumbago	586	1%	9	2%	296	51%	182	31%	65	11%	34	6%
786.59	Other chest pain	545	1%	15	3%	173	32%	220	40%	97	18%	40	7%
789.00	Abdominal pain, unspecified site	495	1%	56	11%	267	54%	106	21%	51	10%	15	3%
780.2	Syncope and collapse	456	1%	30	7%	108	24%	112	25%	122	27%	84	18%
648.93	Other current maternal conditions classifiable elsewhere, antepartum	441	1%	24	5%	417	95%	0	0%	0	0%	0	0%
592.1	Calculus of ureter	360	1%	4	1%	155	43%	119	33%	74	21%	8	2%
<b>TOTAL</b>		<b>5,635</b>	<b>14%</b>	<b>307</b>	<b>5%</b>	<b>2,263</b>	<b>40%</b>	<b>1,521</b>	<b>27%</b>	<b>952</b>	<b>17%</b>	<b>592</b>	<b>11%</b>

Note: 2,547 (6%) of ED discharges did not list diagnosis

Source: Epic - Report ED0018: ED Visit Reason