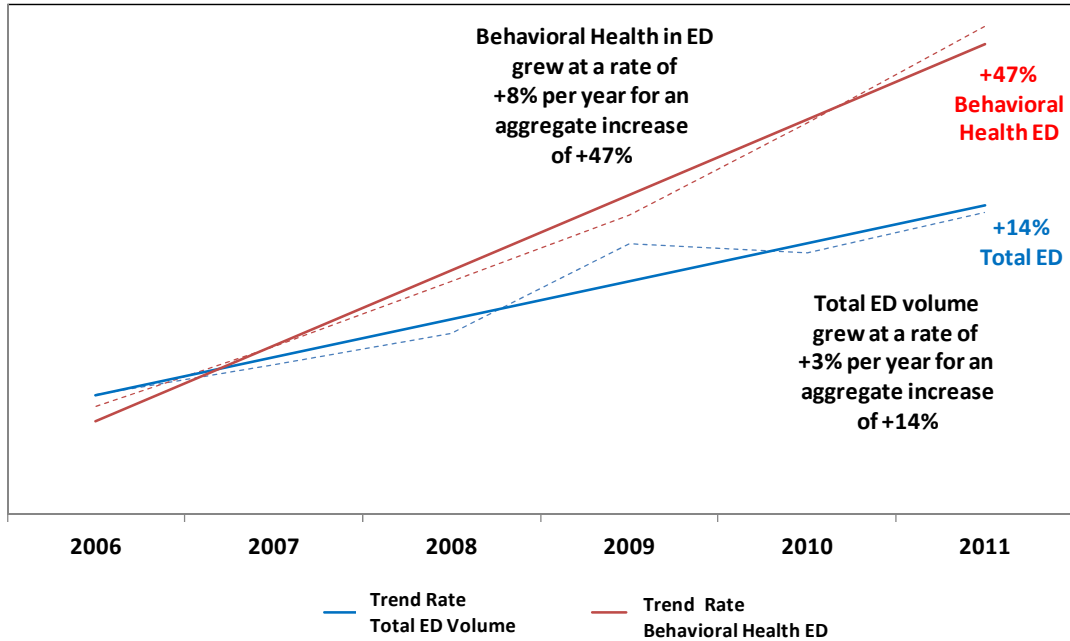


# California Overview

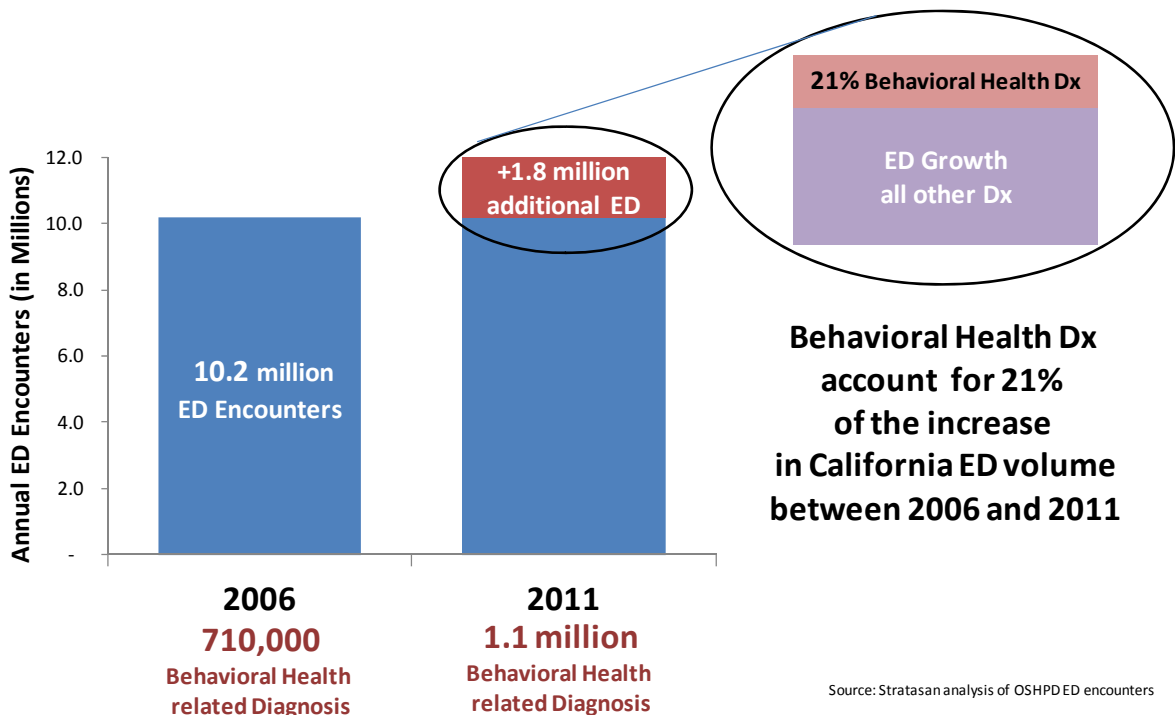
## Behavioral Health Emergency Department Growth

### Behavioral Health ED visits grew at a greater rate than rate of total ED volume



Source: Stratasan analysis of OSHPD ED Volume; Trend Rate adjusted for population growth

### Behavioral Health related Dx significant component of ED Growth in California



Source: Stratasan analysis of OSHPD ED encounters



# County Behavioral Health Emergency Department Use - Summary

Based on Stratasan pulls of OSHPD 2006 - 2011 ED encounters; includes both admit and non-admit ED volume

County (Patient Origin)	% ED Increase 2006-2011 (population growth adj.)		Gross Change in ED Visits 2006 - 2011		BH % of Total ED (2011)	BH % of Total ED Case Growth 2006-2011
	Total ED	BH ED	Total ED	BH ED		
<b>California Total</b>	<b>13%</b>	<b>47%</b>	<b>1,788,112</b>	<b>372,231</b>	<b>9%</b>	<b>21%</b>
Los Angeles	15%	44%	400,331	75,742	8%	19%
Orange	7%	46%	63,948	21,673	9%	34%
Ventura	14%	37%	34,018	5,232	8%	15%
Santa Barbara	14%	23%	17,981	2,207	9%	12%
<b>Subtotal</b>	<b>13%</b>	<b>43%</b>	<b>516,278</b>	<b>104,854</b>	<b>8%</b>	<b>20%</b>
Riverside	13%	31%	143,919	14,973	7%	10%
San Bernardino	22%	32%	162,118	14,315	7%	9%
<b>Subtotal</b>	<b>17%</b>	<b>31%</b>	<b>306,037</b>	<b>29,288</b>	<b>7%</b>	<b>10%</b>
San Diego	12%	55%	118,633	35,579	11%	30%
Imperial	6%	4%	11,683	404	4%	3%
<b>Subtotal</b>	<b>11%</b>	<b>52%</b>	<b>130,316</b>	<b>35,983</b>	<b>11%</b>	<b>28%</b>
Alameda	15%	71%	82,530	24,724	11%	30%
Contra Costa	17%	77%	70,394	16,707	9%	24%
San Francisco	15%	57%	36,558	12,653	14%	35%
San Mateo	4%	46%	13,578	5,816	9%	43%
Sonoma	3%	56%	8,677	6,652	12%	77%
Solano	34%	109%	42,371	7,554	9%	18%
Marin	-3%	31%	(350)	1,876	11%	*
Napa	8%	78%	4,962	2,334	11%	47%
Santa Clara	19%	37%	89,003	11,777	9%	13%
Santa Cruz	5%	25%	5,519	1,752	11%	32%
<b>Subtotal</b>	<b>14%</b>	<b>59%</b>	<b>353,242</b>	<b>91,845</b>	<b>10%</b>	<b>26%</b>
Sacramento	33%	93%	139,923	26,590	11%	19%
Placer	23%	70%	26,511	5,050	11%	19%
Yolo	8%	46%	6,878	2,127	11%	31%
El Dorado	4%	37%	4,085	1,613	10%	39%
Sutter	2%	59%	2,106	1,152	10%	55%
Yuba	3%	65%	2,345	1,302	10%	56%
Nevada	23%	60%	6,353	1,076	8%	17%
San Joaquin	15%	80%	42,997	10,041	9%	23%
Stanislaus	15%	49%	34,355	5,067	7%	15%
Merced	26%	59%	25,642	2,389	6%	9%
Tuolumne	-16%	34%	(4,848)	571	11%	*
Calaveras	2%	45%	364	484	10%	133%
Amador	16%	10%	2,208	108	8%	5%
Alpine, Inyo, Mariposa, and Mono counties combined	11%	45%	1,756	359	7%	20%
<b>Subtotal</b>	<b>19%</b>	<b>70%</b>	<b>290,675</b>	<b>57,929</b>	<b>9%</b>	<b>20%</b>

# County Behavioral Health Emergency Department Use - Summary

Based on Stratasan pulls of OSHPD 2006 - 2011 ED encounters; includes both admit and non-admit ED volume

County (Patient Origin)	% ED Increase 2006-2011 (population growth adj.)		Gross Change in ED Visits 2006 - 2011		BH % of Total ED (2011)	BH % of Total ED Case Growth 2006-2011
	Total ED	BH ED	Total ED	BH ED		
<b>California Total</b>	<b>13%</b>	<b>47%</b>	<b>1,788,112</b>	<b>372,231</b>	<b>9%</b>	<b>21%</b>
Fresno	15%	53%	62,227	10,289	8%	17%
Kern	24%	46%	78,697	8,473	8%	11%
Tulare	0%	41%	11,666	3,804	7%	33%
Kings	36%	73%	18,842	1,608	6%	9%
Madera	18%	27%	12,406	934	6%	8%
San Luis Obispo	-11%	21%	(6,827)	1,150	7%	*
Monterey	14%	35%	20,413	3,085	8%	15%
San Benito	12%	28%	2,236	216	5%	10%
<b>Subtotal</b>	<b>13%</b>	<b>44%</b>	<b>199,660</b>	<b>29,559</b>	<b>7%</b>	<b>15%</b>
Butte	22%	62%	18,581	3,445	9%	19%
Shasta	9%	49%	8,304	3,459	12%	42%
Humboldt	-9%	26%	(4,068)	1,379	12%	*
Mendocino	-2%	89%	(828)	2,691	13%	*
Lake	8%	30%	3,469	683	7%	20%
Tehama	12%	44%	4,229	647	6%	15%
Siskiyou	4%	43%	618	531	9%	86%
Lassen	1%	32%	94	179	7%	190%
Colusa, Del Norte, Glenn, and Trinity counties combined	8%	77%	3,501	2,291	13%	65%
Modoc, Plumas, and Sierra counties combined	14%	65%	1,286	511	10%	40%
<b>Subtotal</b>	<b>7%</b>	<b>53%</b>	<b>35,186</b>	<b>15,816</b>	<b>11%</b>	<b>45%</b>

\* **note:** Five counties show a decrease in overall ED volume increase between 2006 and 2011, contrary to the statewide trend. This may reflect an under-reporting of overall ED volume in these counties. It is important to note that in all five of these counties the number of Behavioral Health related ED visits increases between 2006 and 2011 even though overall ED volume is down (i.e., even if volume is underreported, Behavior Health is still proportionally increasing). For these five counties it is advisable to focus on the regional subtotal for trend rates.

# County Behavioral Health Emergency Department Use - Detail

Based on Stratascan pulls of OSHPD 2006 - 2011 ED encounters

County (Patient Origin)	Total California ED Visits (admit & non-admit)			BH ED Visits (admit & non-admit) BH First 10 dx			BH % of Total ED Case Growth 2006-2011
	2006	2011	Annual Growth Rate	2006	2011	Annual Growth Rate	
<b>California Total</b>	<b>10,172,340</b>	<b>11,960,452</b>	<b>3%</b>	<b>706,833</b>	<b>1,079,064</b>	<b>9%</b>	<b>21%</b>
Los Angeles	2,567,704	2,968,035	3%	169,441	245,183	8%	19%
Orange	689,262	753,210	2%	44,076	65,749	8%	34%
Ventura	192,697	226,715	3%	12,495	17,727	7%	15%
Santa Barbara	100,744	118,725	3%	8,186	10,393	5%	12%
<b>Subtotal</b>	<b>3,550,407</b>	<b>4,066,685</b>	<b>3%</b>	<b>234,198</b>	<b>339,052</b>	<b>8%</b>	<b>20%</b>
Riverside	556,853	700,772	5%	32,134	47,107	8%	10%
San Bernardino	589,001	751,119	5%	37,576	51,891	7%	9%
<b>Subtotal</b>	<b>1,145,854</b>	<b>1,451,891</b>	<b>5%</b>	<b>69,710</b>	<b>98,998</b>	<b>7%</b>	<b>10%</b>
San Diego	694,489	813,122	3%	57,180	92,759	10%	30%
Imperial	73,081	84,764	3%	2,813	3,217	3%	3%
<b>Subtotal</b>	<b>767,570</b>	<b>897,886</b>	<b>3%</b>	<b>59,993</b>	<b>95,976</b>	<b>10%</b>	<b>28%</b>
Alameda	429,713	512,243	4%	31,752	56,476	12%	30%
Contra Costa	313,351	383,745	4%	19,521	36,228	13%	24%
San Francisco	193,868	230,426	4%	20,206	32,859	10%	35%
San Mateo	177,431	191,009	1%	11,342	17,158	9%	43%
Sonoma	134,191	142,868	1%	10,845	17,497	10%	77%
Solano	120,315	162,686	6%	6,858	14,412	16%	18%
Marin	70,408	70,058	0%	5,538	7,414	6%	*
Napa	39,017	43,979	2%	2,702	5,036	13%	47%
Santa Clara	352,007	441,010	5%	26,950	38,727	8%	13%
Santa Cruz	62,909	68,428	2%	5,871	7,623	5%	32%
<b>Subtotal</b>	<b>1,893,210</b>	<b>2,246,452</b>	<b>3%</b>	<b>141,585</b>	<b>233,430</b>	<b>11%</b>	<b>26%</b>
Sacramento	358,957	498,880	7%	25,998	52,588	15%	19%
Placer	73,921	100,432	6%	5,695	10,745	14%	19%
Yolo	46,013	52,891	3%	3,883	6,010	9%	31%
El Dorado	51,226	55,311	2%	3,829	5,442	7%	39%
Sutter	26,026	28,132	2%	1,684	2,836	11%	55%
Yuba	27,798	30,143	2%	1,763	3,065	12%	56%
Nevada	28,405	34,758	4%	1,802	2,878	10%	17%
San Joaquin	203,415	246,412	4%	11,329	21,370	14%	23%
Stanislaus	188,906	223,261	3%	9,529	14,596	9%	15%
Merced	77,554	103,196	6%	3,527	5,916	11%	9%
Tuolumne	27,361	22,513	-4%	1,878	2,449	5%	*
Calaveras	15,409	15,773	0%	1,064	1,548	8%	133%
Amador	14,125	16,333	3%	1,228	1,336	2%	5%
Alpine, Inyo, Mariposa, and Mono counties combined	15,561	17,317	2%	791	1,150	8%	20%
<b>Subtotal</b>	<b>1,154,677</b>	<b>1,445,352</b>	<b>5%</b>	<b>74,000</b>	<b>131,929</b>	<b>12%</b>	<b>20%</b>
<b>Subtotal</b>	<b>1,788,112</b>	<b>3,72,231</b>	<b>9%</b>	<b>372,231</b>	<b>579,292</b>	<b>9%</b>	<b>20%</b>

# County Behavioral Health Emergency Department Use - Detail

Based on Stratascan pulls of OSHPD 2006 - 2011 ED encounters

County (Patient Origin)	Total California ED Visits (admit & non-admit)			BH ED Visits (admit & non-admit) BH First 10 dx			Gross Change in ED Visits 2006 - 2011		BH % of Total ED Case Growth 2006-2011			
	2006	2011	Annual Growth Rate	Aggregate Increase 2006 - 2011	2006	2011	Annual Growth Rate	Aggregate Increase 2006 - 2011		Total ED	BH ED	BH % of Total ED (2011)
<b>California Total</b>	<b>10,172,340</b>	<b>11,960,452</b>	<b>3%</b>	<b>18%</b>	<b>706,833</b>	<b>1,079,064</b>	<b>9%</b>	<b>53%</b>	<b>1,788,112</b>	<b>372,231</b>	<b>9%</b>	<b>21%</b>

Fresno	277,514	339,741	4%	22%	16,411	26,700	10%	63%	62,227	10,289	8%	17%
Kern	222,770	301,467	6%	35%	14,212	22,685	10%	60%	78,697	8,473	8%	11%
Tulare	151,544	163,210	1%	8%	7,230	11,034	9%	53%	11,666	3,804	7%	33%
Kings	44,711	63,553	7%	42%	1,988	3,596	13%	81%	18,842	1,608	6%	9%
Madera	46,242	58,648	5%	27%	2,589	3,523	6%	36%	12,406	934	6%	8%
San Luis Obispo	84,763	77,936	-2%	-8%	4,521	5,671	5%	25%	(6,827)	1,150	7%	*
Monterey	120,740	141,153	3%	17%	7,951	11,036	7%	39%	20,413	3,085	8%	15%
San Benito	16,742	18,978	3%	13%	733	949	5%	29%	2,236	216	5%	10%
<b>Subtotal</b>	<b>965,026</b>	<b>1,164,686</b>	<b>4%</b>	<b>21%</b>	<b>55,635</b>	<b>85,194</b>	<b>9%</b>	<b>53%</b>	<b>199,660</b>	<b>29,559</b>	<b>7%</b>	<b>15%</b>
Butte	73,052	91,633	5%	25%	5,210	8,655	11%	66%	18,581	3,445	9%	19%
Shasta	74,223	82,527	2%	11%	6,765	10,224	9%	51%	8,304	3,459	12%	42%
Humboldt	54,303	50,235	-2%	-7%	4,828	6,207	5%	29%	(4,068)	1,379	12%	*
Mendocino	43,817	42,989	0%	-2%	3,025	5,716	14%	89%	(828)	2,691	13%	*
Lake	34,737	38,206	2%	10%	2,132	2,815	6%	32%	3,469	683	7%	20%
Tehama	26,695	30,924	3%	16%	1,332	1,979	8%	49%	4,229	647	6%	15%
Siskiyou	18,240	18,858	1%	3%	1,246	1,777	7%	43%	618	531	9%	86%
Lassen	10,870	10,964	0%	1%	558	737	6%	32%	94	179	7%	190%
Colusa, Del Norte, Glenn, and Trinity counties combined	36,582	40,083	2%	10%	2,877	5,168	12%	80%	3,501	2,291	13%	65%

Modoc, Plumas, and Sierra counties combined	12,446	13,732	2%	10%	864	1,375	10%	59%	1,286	511	10%	40%
<b>Subtotal</b>	<b>384,965</b>	<b>420,151</b>	<b>2%</b>	<b>9%</b>	<b>28,837</b>	<b>44,653</b>	<b>9%</b>	<b>55%</b>	<b>35,186</b>	<b>15,816</b>	<b>11%</b>	<b>45%</b>

\* note: Five counties show a decrease in overall ED volume increase between 2006 and 2011, contrary to the statewide trend. This may reflect an under-reporting of overall ED volume in these counties. It is important to note that in all five of these counties the number of Behavioral Health related ED visits increases between 2006 and 2011 even though overall ED volume is down (i.e., even if volume is underreported in 2011, Behavioral Health is still proportionally increasing). For these five counties it is advisable to focus on the regional subtotal for trend rates.

# County Behavioral Health Emergency Department Use - Population Adjusted

Based on Stratascan pulls of OSHPD 2006 - 2011 ED encounters

Rates per 1,000 (county population growth adjusted)

County (Patient Origin)	Total California ED Visits (admit & non-admit)			BH ED Visits (admit & non-admit) BH First 10 dx			Gross Change in ED Visits 2006 - 2011		BH % of Total ED Case Growth 2006-2011			
	2006	2011	Annual Growth Rate 2006 - 2011	2006	2011	Annual Growth Rate 2006 - 2011	Total ED	BH ED				
<b>California Total</b>	<b>282</b>	<b>320</b>	<b>2.6%</b>	<b>13%</b>	<b>20</b>	<b>29</b>	<b>8%</b>	<b>47%</b>	<b>1,788,112</b>	<b>372,231</b>	<b>9%</b>	<b>21%</b>
Los Angeles	262	301	2.8%	15.0%	17	25	8%	44%	400,331	75,742	8%	19%
Orange	233	249	1.3%	6.7%	15	22	8%	46%	63,948	21,673	9%	34%
Ventura	241	274	2.6%	13.6%	16	21	6%	37%	34,018	5,232	8%	15%
Santa Barbara	244	280	2.7%	14.4%	20	24	4%	23%	17,981	2,207	9%	12%
<b>Subtotal</b>	<b>254</b>	<b>288</b>	<b>2.5%</b>	<b>13.2%</b>	<b>17</b>	<b>24</b>	<b>7%</b>	<b>43%</b>	<b>516,278</b>	<b>104,854</b>	<b>8%</b>	<b>20%</b>
Riverside	282	318	2.4%	12.7%	16	21	6%	31%	143,919	14,973	7%	10%
San Bernardino	301	367	4.1%	22.1%	19	25	6%	32%	162,118	14,315	7%	9%
<b>Subtotal</b>	<b>291</b>	<b>341</b>	<b>3.2%</b>	<b>17.3%</b>	<b>18</b>	<b>23</b>	<b>6%</b>	<b>31%</b>	<b>306,037</b>	<b>29,288</b>	<b>7%</b>	<b>10%</b>
San Diego	233	261	2.3%	11.8%	19	30	9%	55%	118,633	35,579	11%	30%
Imperial	457	482	1.1%	5.7%	18	18	1%	4%	11,683	404	4%	3%
<b>Subtotal</b>	<b>245</b>	<b>273</b>	<b>2.2%</b>	<b>11.5%</b>	<b>19</b>	<b>29</b>	<b>9%</b>	<b>52%</b>	<b>130,316</b>	<b>35,983</b>	<b>11%</b>	<b>28%</b>
Alameda	294	338	2.8%	14.9%	22	37	11%	71%	82,530	24,724	11%	30%
Contra Costa	311	363	3.1%	16.8%	19	34	12%	77%	70,394	16,707	9%	24%
San Francisco	248	285	2.8%	14.8%	26	41	9%	57%	36,558	12,653	14%	35%
San Mateo	254	264	0.8%	4.2%	16	24	8%	46%	13,578	5,816	9%	43%
Sonoma	286	295	0.6%	3.1%	23	36	9%	56%	8,677	6,652	12%	77%
Solano	293	394	6.1%	34.4%	17	35	16%	109%	42,371	7,554	9%	18%
Marin	285	277	-0.6%	-2.9%	22	29	5%	31%	(350)	1,876	11%	*
Napa	297	320	1.5%	7.9%	21	37	12%	78%	4,962	2,334	11%	47%
Santa Clara	206	246	3.6%	19.2%	16	22	6%	37%	89,003	11,777	9%	13%
Santa Cruz	247	259	1.0%	5.1%	23	29	5%	25%	1,752	5,519	11%	32%
<b>Subtotal</b>	<b>264</b>	<b>301</b>	<b>2.7%</b>	<b>14.2%</b>	<b>20</b>	<b>31</b>	<b>10%</b>	<b>59%</b>	<b>353,242</b>	<b>91,845</b>	<b>10%</b>	<b>26%</b>
Sacramento	263	349	5.8%	32.9%	19	37	14%	93%	139,923	26,590	11%	19%
Placer	233	286	4.2%	22.7%	18	31	11%	70%	26,511	5,050	11%	19%
Yolo	243	263	1.6%	8.1%	21	30	8%	46%	6,878	2,127	11%	31%
El Dorado	294	306	0.8%	4.2%	22	30	7%	37%	4,085	1,613	10%	39%
Sutter	291	297	0.4%	2.1%	19	30	10%	59%	2,106	1,152	10%	55%
Yuba	406	417	0.5%	2.7%	26	42	10%	65%	2,345	1,302	10%	56%
Nevada	290	355	4.1%	22.5%	18	29	10%	60%	6,353	1,076	8%	17%
San Joaquin	310	358	2.9%	15.4%	17	31	12%	80%	42,997	10,041	9%	23%
Stanislaus	377	432	2.8%	14.6%	19	28	8%	49%	34,355	5,067	7%	15%
Merced	319	401	4.7%	25.8%	15	23	10%	59%	25,642	2,389	6%	9%
Tuolumne	484	409	-3.3%	-15.5%	33	44	6%	34%	(4,848)	571	11%	*
Calaveras	342	350	0.4%	2.3%	24	34	8%	45%	364	484	10%	133%
Amador	373	435	3.1%	16.5%	32	36	2%	10%	2,208	108	8%	5%
Alpine, Inyo, Mariposa, and Mono counties combined	300	334	2.1%	11.1%	15	22	8%	45%	1,756	359	7%	20%
<b>Subtotal</b>	<b>297</b>	<b>354</b>	<b>3.6%</b>	<b>19.5%</b>	<b>19</b>	<b>32</b>	<b>11%</b>	<b>70%</b>	<b>290,675</b>	<b>57,929</b>	<b>9%</b>	<b>20%</b>

# County Behavioral Health Emergency Department Use - Population Adjusted

Based on Stratascan pulls of OSHPD 2006 - 2011 ED encounters

Rates per 1,000 (county population growth adjusted)

County (Patient Origin)	Total California ED Visits (admit & non-admit)			BH ED Visits (admit & non-admit) BH First 10 dx			Gross Change in ED Visits 2006 - 2011		BH % of Total ED Case Growth 2006-2011
	2006	2011	Annual Growth Rate 2006 - 2011	2006	2011	Annual Growth Rate 2006 - 2011	Total ED	BH ED	

California Total	282	320	2.6%	13%	20	29	8%	47%	1,788,112	372,231	9%	21%
Fresno	316	363	2.8%	15.0%	19	29	9%	53%	62,227	10,289	8%	17%
Kern	288	357	4.4%	24.0%	18	27	8%	46%	78,697	8,473	8%	11%
Tulare	368	367	-0.1%	-0.3%	18	25	7%	41%	11,666	3,804	7%	33%
Kings	306	417	6.4%	36.1%	14	24	12%	73%	18,842	1,608	6%	9%
Madera	326	387	3.5%	18.5%	18	23	5%	27%	12,406	934	6%	8%
San Luis Obispo	325	288	-2.4%	-11.3%	17	21	4%	21%	(6,827)	1,150	7%	*
Monterey	297	339	2.7%	14.1%	20	26	6%	35%	20,413	3,085	8%	15%
San Benito	304	342	2.4%	12.4%	13	17	5%	28%	2,236	216	5%	10%
<b>Subtotal</b>	<b>314</b>	<b>356</b>	<b>2.6%</b>	<b>13.4%</b>	<b>18</b>	<b>26</b>	<b>8%</b>	<b>44%</b>	<b>199,660</b>	<b>29,559</b>	<b>7%</b>	<b>15%</b>
Butte	340	416	4.1%	22.1%	24	39	10%	62%	18,581	3,445	9%	19%
Shasta	425	465	1.8%	9.5%	39	58	8%	49%	8,304	3,459	12%	42%
Humboldt	412	373	-1.9%	-9.3%	37	46	5%	26%	(4,068)	1,379	12%	*
Mendocino	499	490	-0.4%	-1.8%	34	65	14%	89%	(828)	2,691	13%	*
Lake	547	593	1.6%	8.4%	34	44	5%	30%	3,469	683	7%	20%
Tehama	438	491	2.3%	12.2%	22	31	8%	44%	4,229	647	6%	15%
Siskiyou	406	421	0.7%	3.6%	28	40	7%	43%	618	531	9%	86%
Lassen	313	314	0.1%	0.5%	16	21	6%	32%	94	179	7%	190%
Colusa, Del Norte, Glenn, and Trinity counties combined	404	436	1.5%	7.8%	32	56	12%	77%	3,501	2,291	13%	65%
Modoc, Plumas, and Sierra counties combined	368	420	2.7%	14.2%	26	42	10%	65%	1,286	511	10%	40%
<b>Subtotal</b>	<b>411</b>	<b>441</b>	<b>1.5%</b>	<b>7.5%</b>	<b>31</b>	<b>47</b>	<b>9%</b>	<b>53%</b>	<b>35,186</b>	<b>15,816</b>	<b>11%</b>	<b>45%</b>

\* note: Five counties show a decrease in overall ED volume increase between 2006 and 2011, contrary to the statewide trend. This may reflect an under-reporting of overall ED Volume in these counties. It is important to note that in all five of these counties the number of Behavioral Health related ED visits increases between 2006 and 2011 even though overall ED volume is down (i.e., even if volume is underreported in 2011, Behavior Health is still proportionally increasing). For these five counties it is advisable to focus on the regional subtotal for trend rates.