

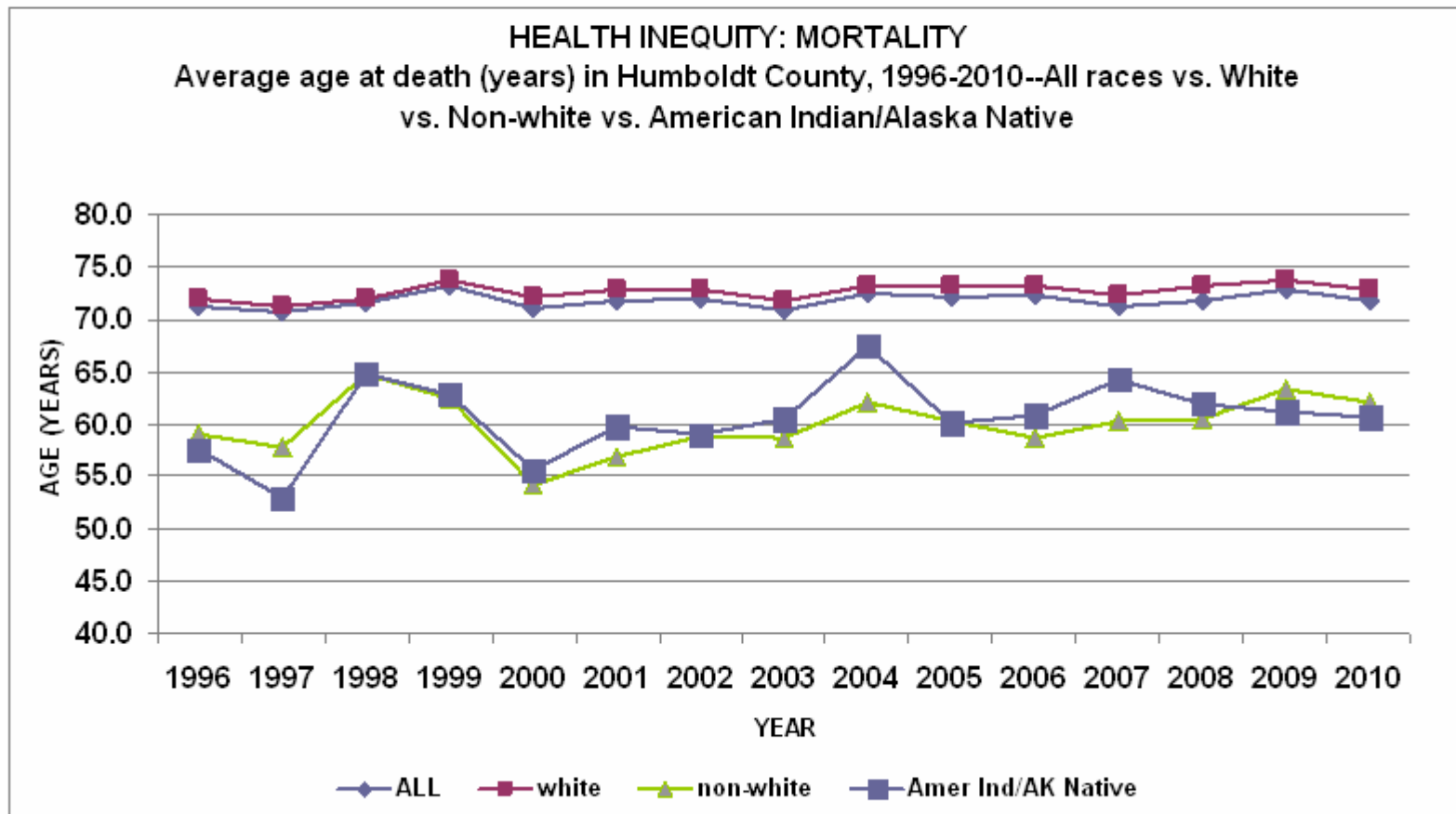
Health Statistics: What do they tell us about health promotion?

May 5, 2011

Ann Lindsay MD























Humboldt County Health Officer

Health Inequities: Mortality



Sources: Humboldt County Vital Statistics (Automated Vital Statistics System (AVSS); Automated Vital Statistics System (AVSS); California Electronic Death Registration System (CA-EDRS)

How Does Humboldt County Measure Up?

Humboldt County's Status Compared to California	Average Annual Mortality Rate (per 100,000 except as noted)						Humboldt County's Status Compared to Healthy People 2010 Goals
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 worse	Overdose	27.6	9.0	10.6	0.3	1.2	 worse
 worse	COPD	57.2	12.5	37.8	0.6	62.3	 better
 worse	Coronary Heart Disease	146.8	19.2	137.1	1.2	162.0	 better
 worse	Infant Mortality (per 1,000)	6.4	5.2	5.3	0.2	4.5	 worse
 worse	Motor Vehicle Accidents	16.6	6.8	10.3	0.3	8.0	 worse
 better	Homicide	4.8	3.8	6.3	0.2	2.8	 worse
 worse	Suicide	20.9	7.5	9.4	0.3	4.8	 worse
 worse	Unintentional Injury	60.3	13.1	29.7	0.5	17.1	 worse
N/A	Diabetes-Related Death	72.7	14.1	—	—	46.0	 worse
N/A	Coronary Heart Disease in Persons with Diabetes*	679.3	172.4	—	—	299.0	 worse

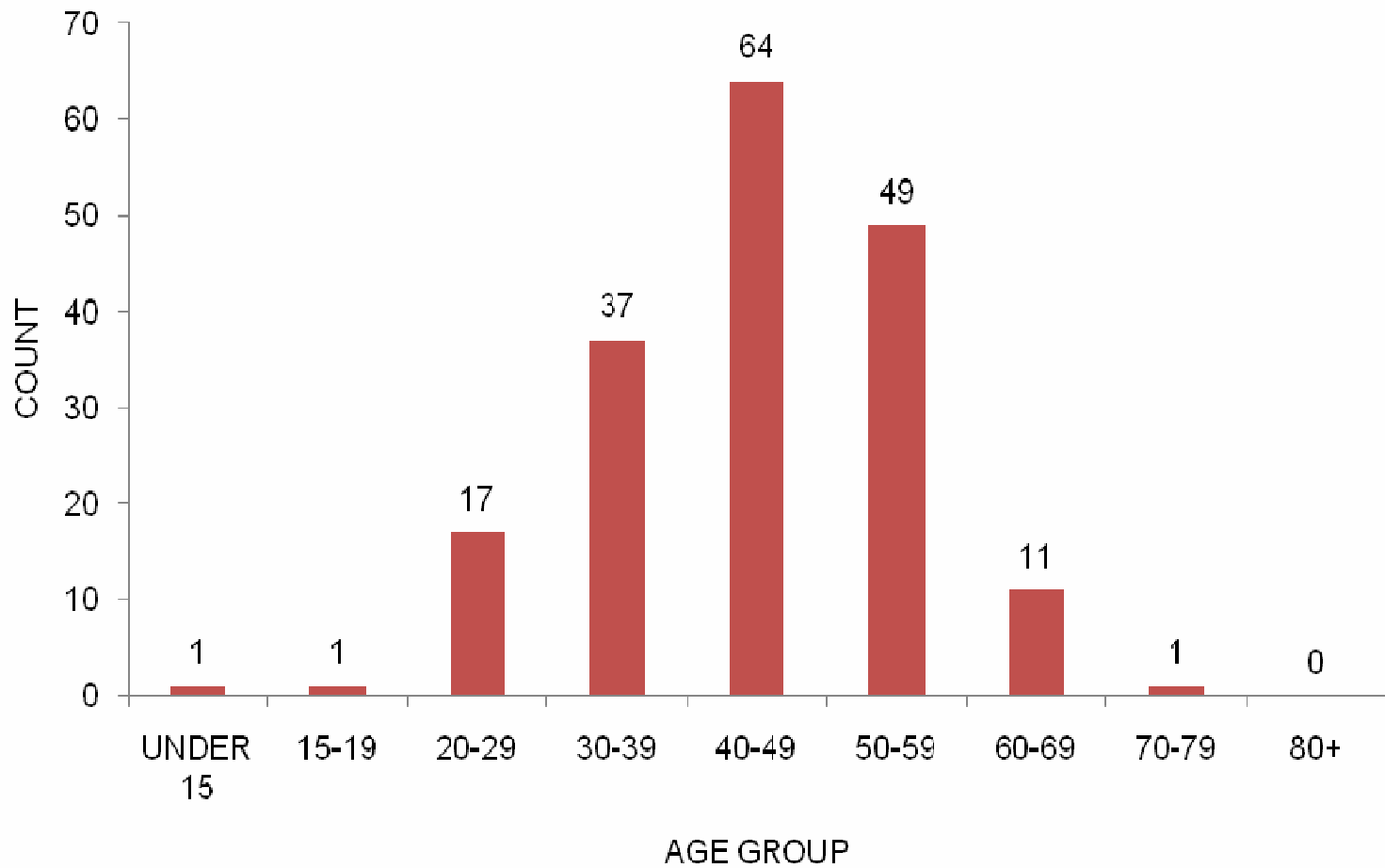
* Humboldt County rates based on 2005-2009 data—except infant mortality & coronary heart disease, based on 2006-2008

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













Death Rates from AOD in Humboldt

YEAR	DEATHS	AAMR	+/-
2006	33	25.7	8.7
2007	40	31.4	9.7
2008	41	32.1	9.8
2009	33	24.1	8.2
2010	34	27.4	9.2

Humboldt County Unintentional AOD Overdose Deaths by Age Group, 2006-2010

























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Heart Health

Heart Health				
	Humboldt County	+/-	California	+/-
AAMR Coronary Heart Disease (per 100,000) 2006-2008	146.8	19.2	137.1	1.2
Emergency Room Visits for Myocardial Infarction (Adults age 35+) (per 10,000) 2009	18.8	3.5	22.3	0.2
Ever Diagnosed with High Blood Pressure 2009	24.8%	6.1	26.6%	0.9
If Hypertensive, Takes Medicine For High Blood Pressure 2009	74.5%	7.8	70.2%	1.8

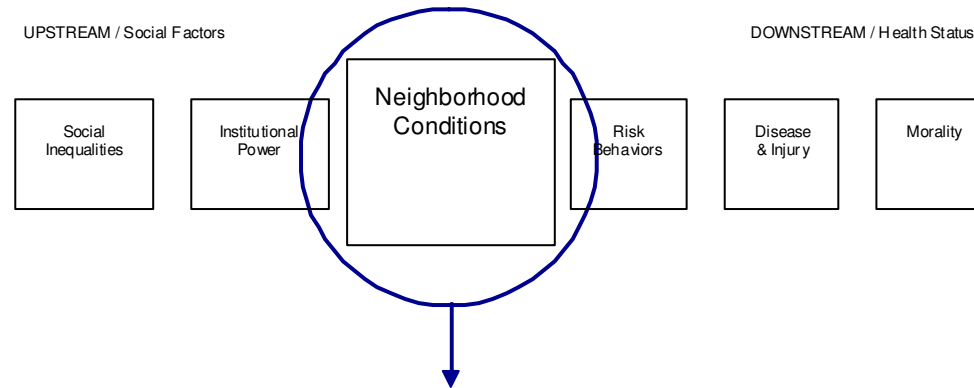
Healthy People 2010 Objective
for Coronary Heart Disease Deaths:
No More Than 162 per 100,00



Nutrition, Physical Activity, and Obesity

		Humboldt County	+/-	California	+/-
Nutrition	Did Not Eat Fast Food in the Past Week 2009	58.1%	7.5%	35.8%	0.4%
	Eat 5 or More Servings of Fruits/ Vegetables (Child) 2009	50.5%	9.5%	48.4%	2.2%
	Eat 5 or More Servings of Fruits/ Vegetables (Teen) 2007	30.4%	13.4%	20.3%	2.2%
Physical Activity	Child: One Hour of Physical Activity Every Day of the Week 2009	37.7%	10.4%	22.6%	2.0%
	Teen: One Hour of Physical Activity Every Day of the Week 2009	30.5%	9.7%	15.2%	1.8%
	Adult: Regularly Walking for Fun, Exercise, Transportation 2009	23.4%	5.9%	18.9%	0.9%
Obesity	Overweight for Age: Child (does not factor height)	24.8%	10.5%	1.0	1.0%
	Overweight or Obese: Teen and Adult	53.6%	8.7%	52.0%	1.1%

Living Environment Factors Which Influence Physical Activity



Neighborhood conditions which promote physical activity

- ? multi-use community design which places housing near shopping, entertainment, and other services, reducing the need for people to drive
- ? features such as parks, recreational facilities, public restrooms, wide sidewalks, walking paths
- ? “active transportation” alternatives: bike lanes; pedestrian routes, public transportation
- ? a crime-free environment in which residents are not afraid to spend time outside their homes
- ? a community where outdoor activity does not expose residents to injury due to falls, animal attacks, or traffic accidents

Tobacco Use

Smoking Rate 2009				
	Humboldt County	+/-	California	+/-
Percentage of adults and teens CURRENTLY SMOKING	12.5%	4.0%	12.5%	0.8%
Percentage of Population Who Have SMOKED 100+ CIGARETTES IN THEIR LIFETIME	42.9%	8.6	36.7%	1.0
Of Those Who Smoke, Percentage of Adults Who SMOKE INDOORS AT HOME 7 Days a Week	67.3%	73.9	44.7%	6.6



- ? There is NO risk-free level of contact with secondhand smoke.
- ? Eliminating smoking in indoor spaces is the only way to fully protect nonsmokers from secondhand smoke exposure.

Tobacco Use: Lung Cancer / COPD

Smoking-Related Deaths (per 100,000) 2005-2009*					DISPARITY		
	Humboldt County				California*	+/-	Healthy People 2010 Objective
	Total	+/-	Among Whites	Among Non-Whites			
AAMR Lung Cancer	52.8	12.0	55.2	35.2	38.1	0.6	43.3
AAMR COPD	57.2	12.5	59.7	37.3	37.8	0.6	62.3
Years Potential Life Lost due to COPD	249	36.8	261	176	127	—	—

* California Death Rates 2006-2008; California YPLL 2007

- ? More deaths are caused each year by tobacco use than by all deaths from HIV, illegal drug use, alcohol use, motor vehicle injuries, suicides, and murder **combined**.
- ? Nearly one of every five deaths each year in the U.S. is related to adverse health effects from cigarette

Abuse of Alcohol and Other Drugs (AOD)

	Humboldt County	+/-	California	+/-
Percent of People Who Saw a Healthcare Provider for Emotional-Mental Health and/or AOD Issues in the Past Year (2009)	11.6%	3.4%	10.9	0.8%
Percent of People Who Reported Needing Help For Emotional-Mental Health or Use of AOD (2009)	13.8%	3.6%	14.3	0.8%
Hospitalizations due to Accidental Poisoning (% of total) (2008)	.78%	0.4%	.35%	0.1%
Teens who have ever consumed alcohol (2009)	26.4%	10.6%	33.4%	2.6%

Healthy People 2010 Objective:
Reduce Annual Drug-Related
Deaths to No More Than
1.2 per 100,000

	Humboldt County				California	+/-
	Total	+/-	Among Whites	Among Non-Whites		
Deaths due to Unintentional Overdose* (per 100,000)	27.6	9.0	27.9	27.8	10.6	0.3
Years Potential Life Lost due to Alcohol and Other Drugs*	876	128.0	892	865	261	—

* Humboldt data 2005-2009; California Death Rates 2006-2008; California YPLL 2007

Diabetes

DISPARITY

Diabetes Death Rate							
	Humboldt County					California	Healthy People 2010 Objective
	Total	+/-	Among Whites	Among Non-Whites	Among American Indians/ Alaska Natives		
Diabetes-Related Deaths (per 100,000)**	72.7	14.1	70.5	93.4	141.1	—	46.0
Years Productive Life Lost (YPLL) due to Diabetes**	328.9	44.5	325.2	316.8	—	149.4	—

** Humboldt data 2005-2009; California YPLL 2007

Communicable Disease

Immunization Rates				
	Humboldt County	+/-	California	+/-
Percentage of adults and children receiving flu vaccine 2009	36.0%	7.2%	37.5%	0.9%
Percentage of Kindergarten children PBE*	9.8%	1.5%	2.0%	0.04%
Percentage of Kindergarten children with vaccinations up-to-date 2010	76.1%	2.1%	94.8%	0.1%

* Humboldt 2010; California 2009

Sexually transmitted diseases				
	Humboldt County 2010	+/-	California 2009	+/-
Chlamydia rate (per 100,000)	251.1	26.7	378.6	1.9
Chlamydia rate in females (per 100,000)	316.4	42.6	522.0	3.2
GC rate (per 100,000) 2009	20.1	7.5	61.7	0.8

Suicide

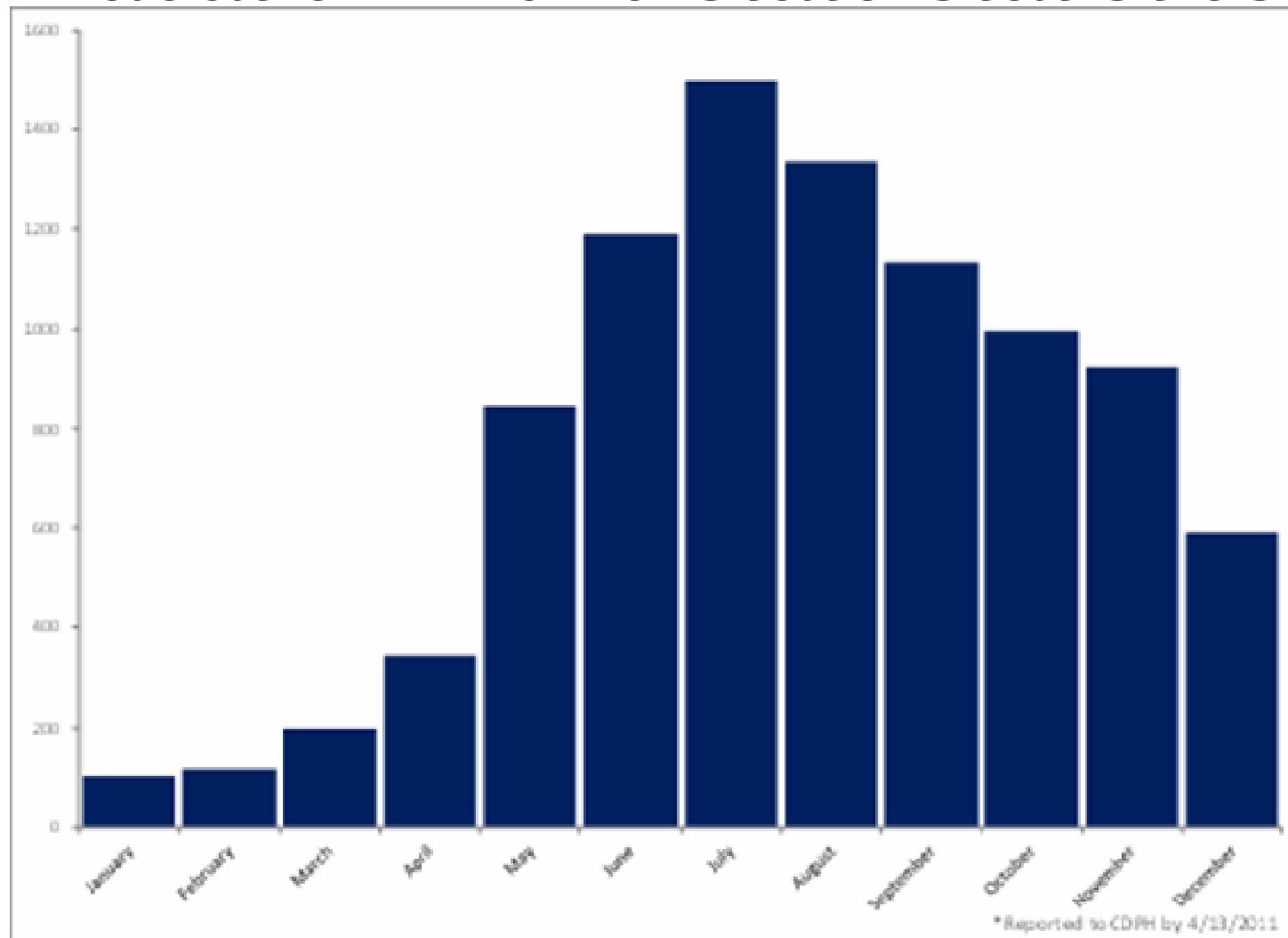
DISPARITY

Healthy People 2010 Objective:
Reduce Annual Suicide
Deaths to No More Than
4.8 per 100,000

Annual Deaths by Suicide						
	Humboldt County				California	+/-
	Total	+/-	Among Whites	Among Non-Whites		
AAMR Suicide (per 100,000)*	20.9	7.5	22.3	12.4	9.4	0.3
Years Potential Life Lost due to Suicide (per 100,000)*	543	94.7	569	419	290	—
ER Visits due to Self-Inflicted Injury 2009 (Per 100,000)	114.9	18.1	—	—	72.0	0.8

* Humboldt 2005-2009; California 2007

Pertussis doesn't take a summer vacation: 2010 state statistics



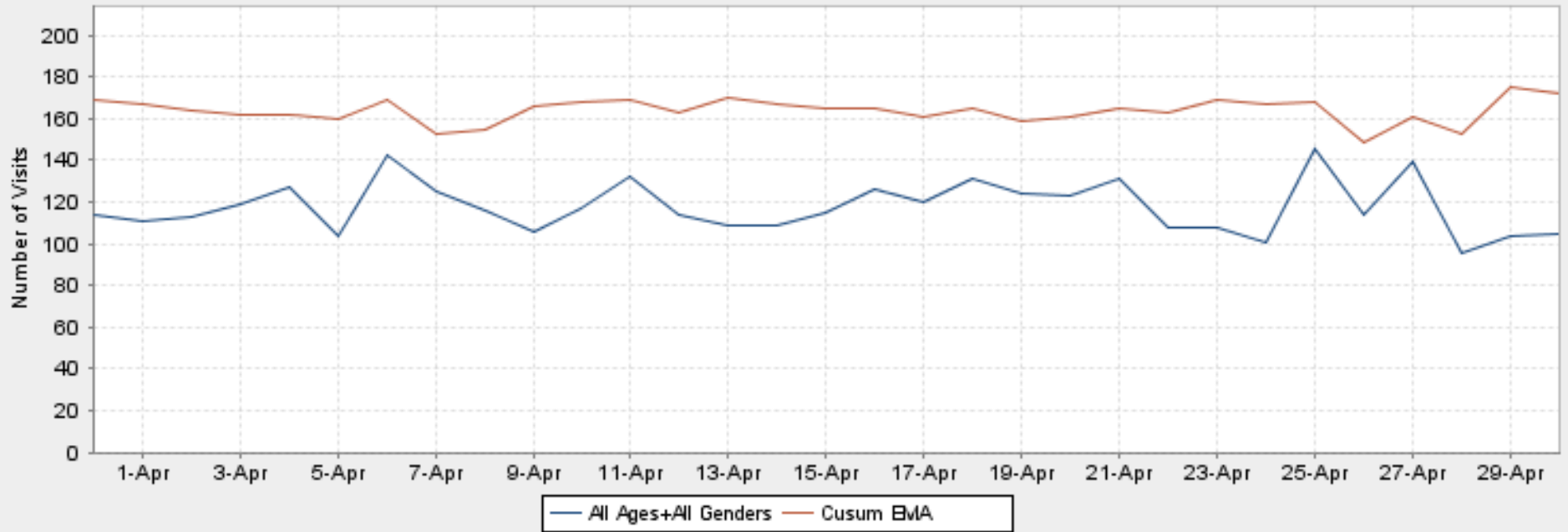
Environmental Health

Asthma				
	Humboldt County	+/-	California	+/-
Ever Diagnosed With Asthma 2009	15.1%	5.1%	13.6%	0.5%
If Asthmatic, Currently Has Asthma After Prior Diagnosis by Doctor 2009	70.0%	12.0%	58.5%	2.5%
Emergency Room Visits due to Asthma (per 10,000) 2009	65.8	4.7	48.0	0.2

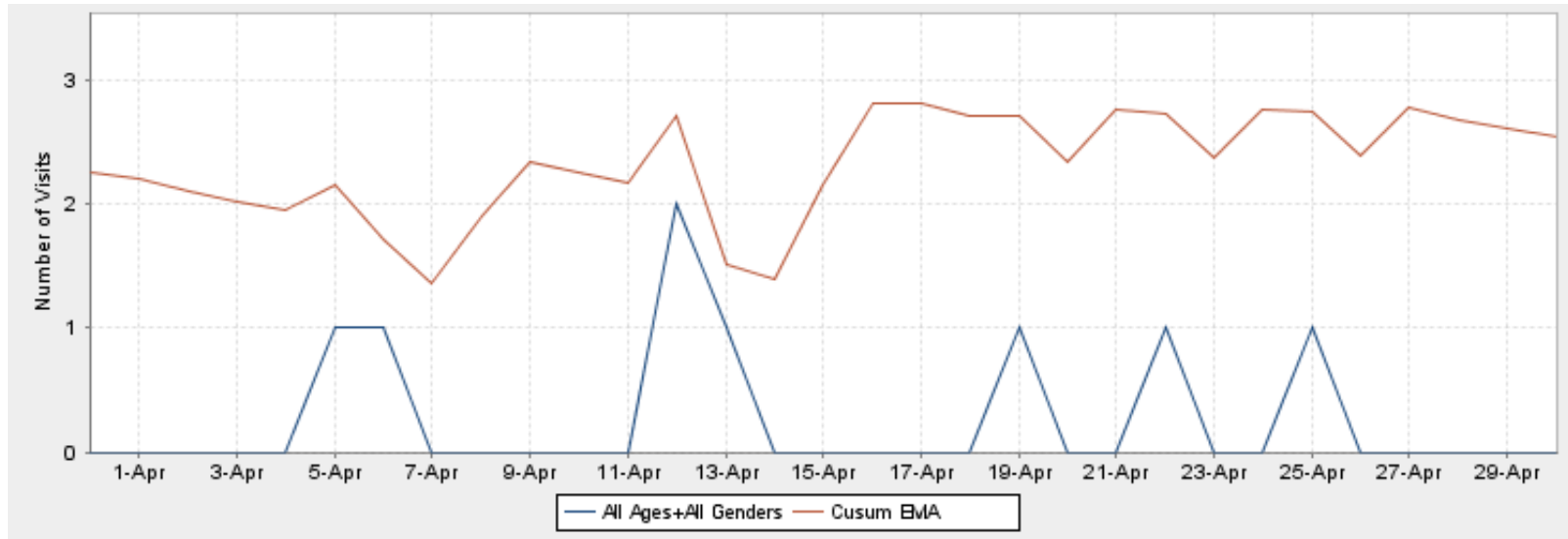
Other Environmental Health Measures				
	Humboldt County	+/-	California	+/-
Food-Borne Outbreaks - annual rate (per 100,000)*	1.1	0.7	0.3	0.1
Percentage of Persons Served by Public Water Supply 2005	54.9%	0.3%	92.5%	0.02%

* Humboldt 2005-2009; California 2008

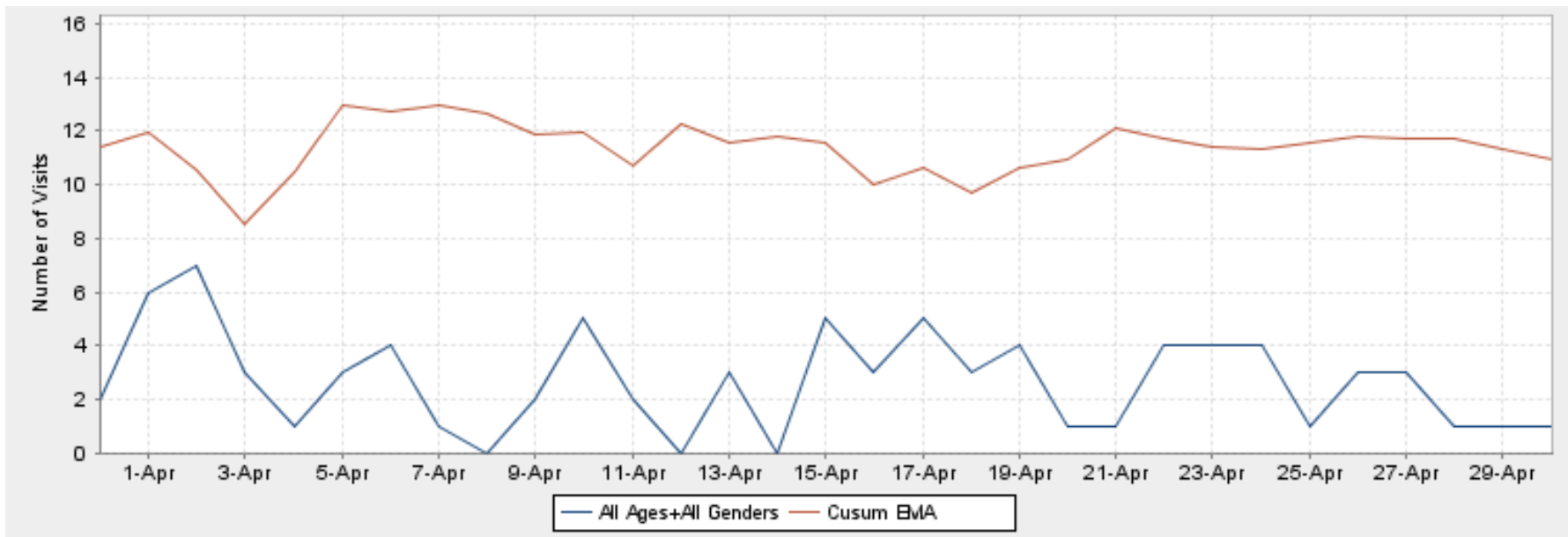
Epi-Center Surveillance Reports



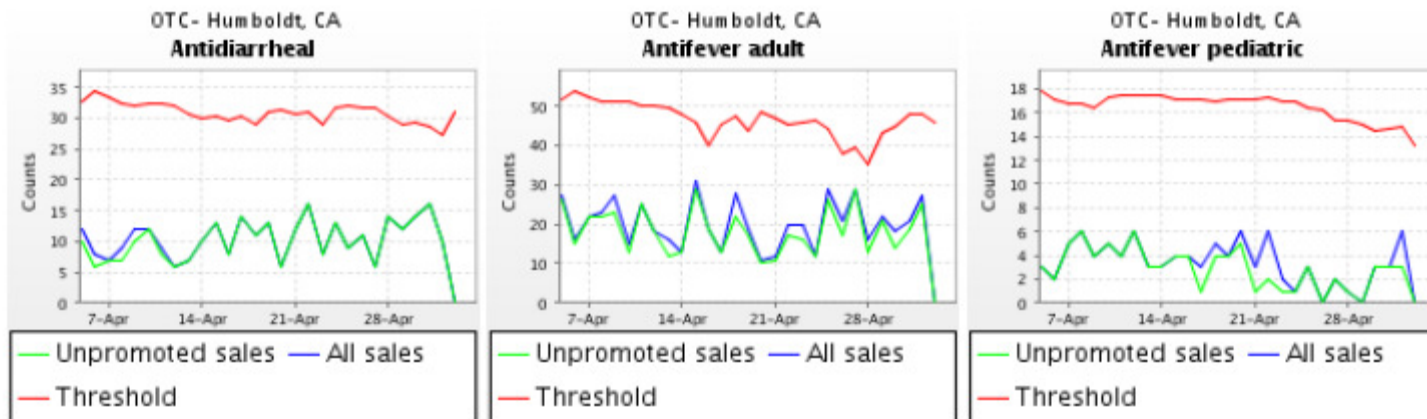
Epi-Center Surveillance Reports



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Real-time Outbreak and Disease Surveillance



91.7% (11/12) Stores Reported for Sales Date
5/2/2011 as of 5/3/2011 11AM

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