

Best Practices for Community Health Needs Assessments and Implementation Strategies:

A Review of Scientific Methods, Current Practices, and Future Potential

Public Forum – July 11-13, 2011

Centers for Disease Control and Prevention

Panelist: Community Health Needs Assessments

Eileen Barsi - Director, Community Benefit

Eileen.Barsi@chw.edu

415.438.5571



Catholic Healthcare West

CHW

Catholic Healthcare West: A Leading Not For Profit Health System



FY2010

- 5th largest health system in the nation
- Acute Care Facilities: 40
- Assets: \$11.8 Billion
- Net Operating Revenue: \$9.4 billion
- Acute Care Beds: 8,900
- Skilled Nursing Beds: 900
- Active Physicians: 10,000
- Employees: 55,000
- General Acute Patient Days: 1.8 Million
- Community Benefits & Care of the Poor: \$1.3 Billion*

Catholic Healthcare West



* Including unpaid costs of Medicare

- The World Health Organization (WHO) defines health as a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.
 - In what ways can we collect data on social determinants and link to health status measures?
 - In what ways can we identify concentrations of unmet needs (e.g., health disparities) in local communities?



- CHW's Charge
 - Identify the core drivers of health disparities in our communities; and
 - provide our hospitals with a scientific, analytically rigorous tool to assist in community benefit planning.



- Partnered with Thomson Reuters
- Identified Five Barriers to Access
 - Income
 - Culture/Language
 - Education
 - Insurance
 - Housing



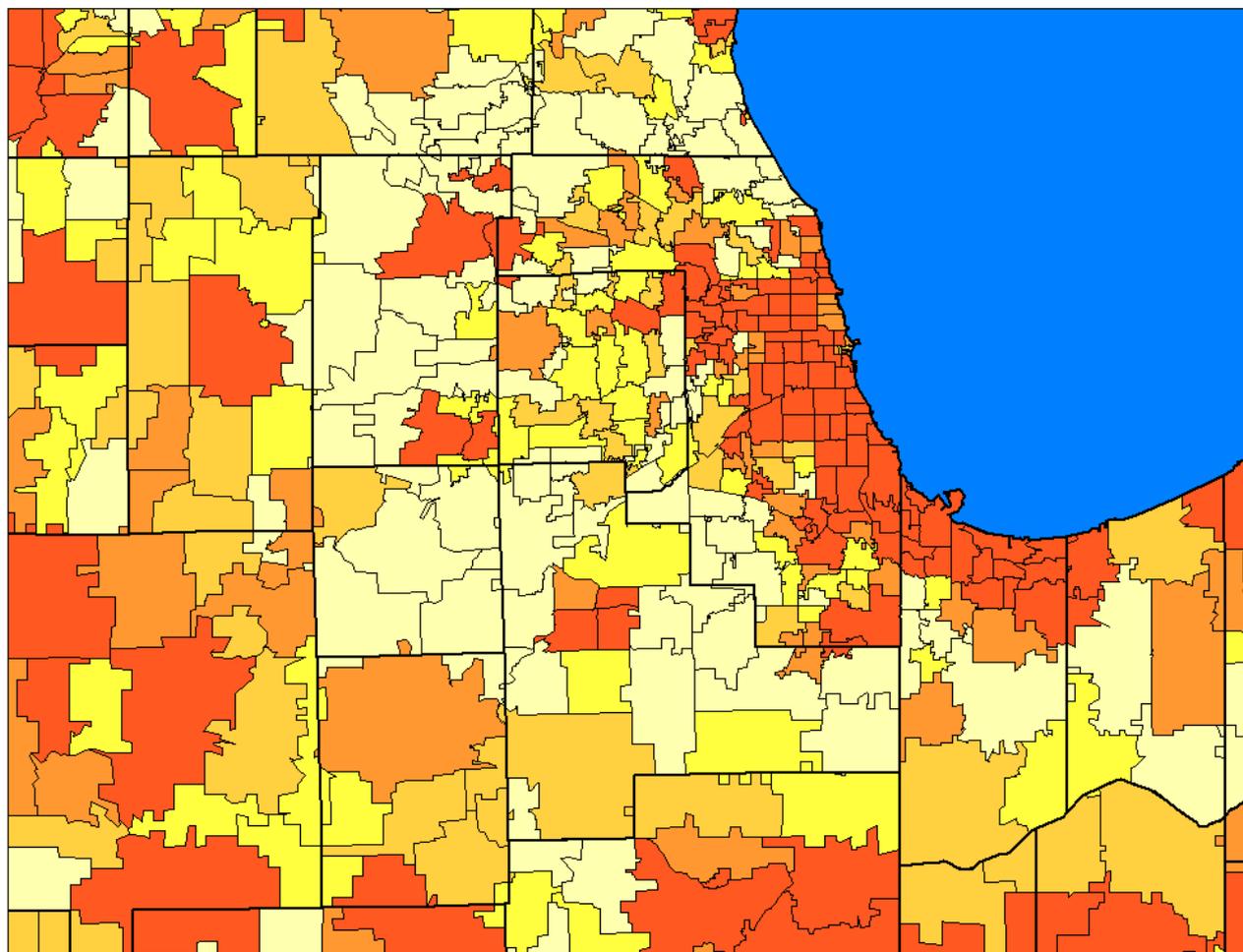
- Basic Methodology
 - Calculate indicator values at the ZIP code level within each barrier grouping
 - Assign barrier score (1.0 to 5.0) based on relative indicator values of each ZIP code
 - Take average of the five individual barrier scores (on an equal-weight basis) to yield ZIP code CNI score



CNI Scoring Comparison

		Inglewood, CA 90303		Scottsdale, AZ 85255	
Barrier	Indicator	Indicator %	Barrier Score	Indicator %	Barrier Score
Income Barrier	Elderly Poverty	10%	5.0	4%	1.0
	Child Poverty	28%		2%	
	Single Parent Poverty	46%		11%	
Cultural Barrier	Minority Population	98%	5.0	8%	1.0
	Limited English	20%		1%	
Education Barrier	Without HS Diploma	44%	5.0	3%	1.0
Insurance Barrier	Unemployed	12%	5.0	3%	1.0
	Uninsured	32%		5%	
Housing Barrier	Renting %	58%	5.0	13%	1.0
Final CNI Score		--	5.0 (high need)	--	1.0 (low need)

Mapping Communities – Variation by Zip Code

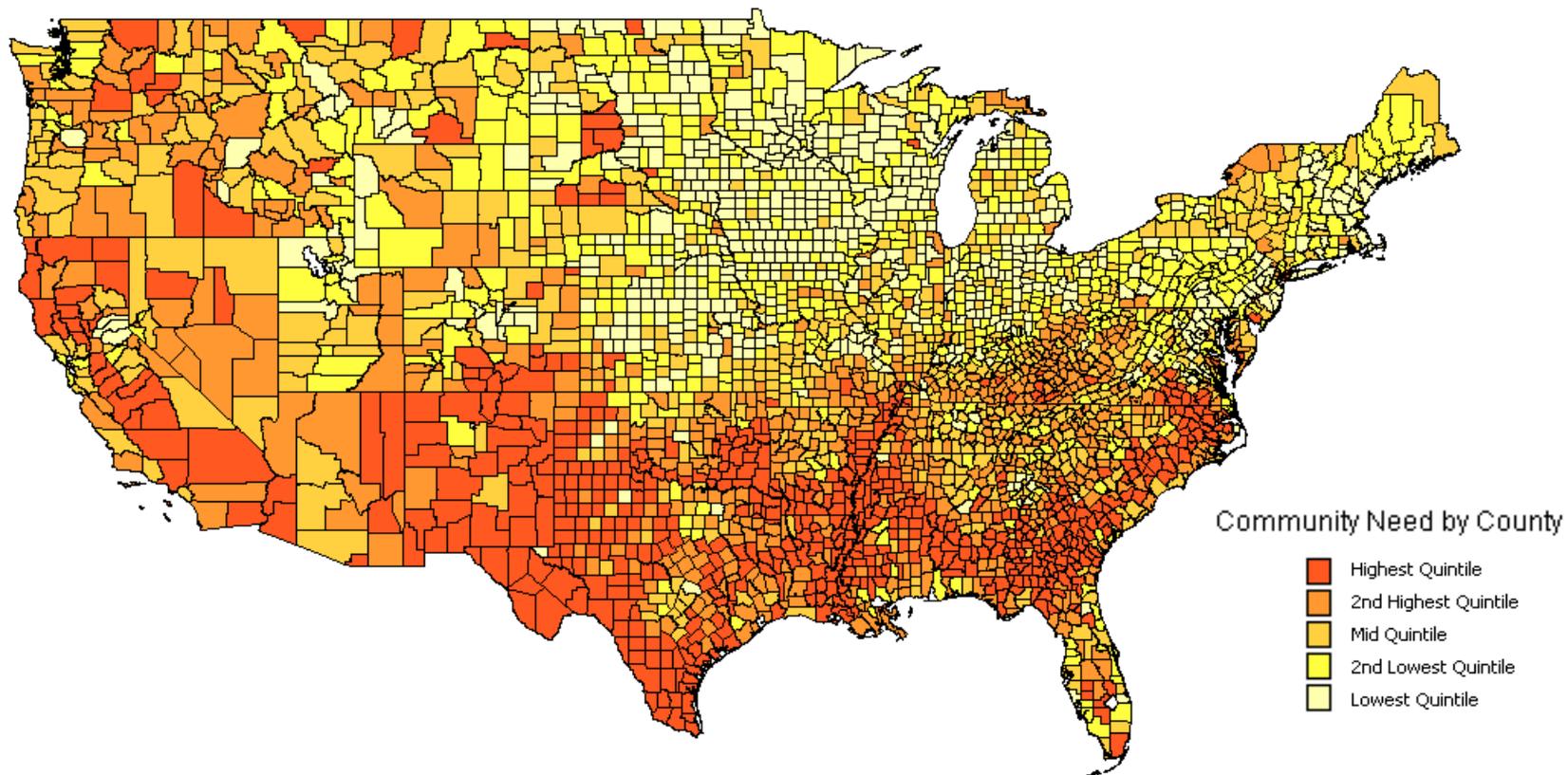


Community Need by Zip

- Highest Quintile
- 2nd Highest Quintile
- Mid Quintile
- 2nd Lowest Quintile
- Lowest Quintile

Highest quintile represents areas with most barriers to care and largest number of preventable hospital admissions

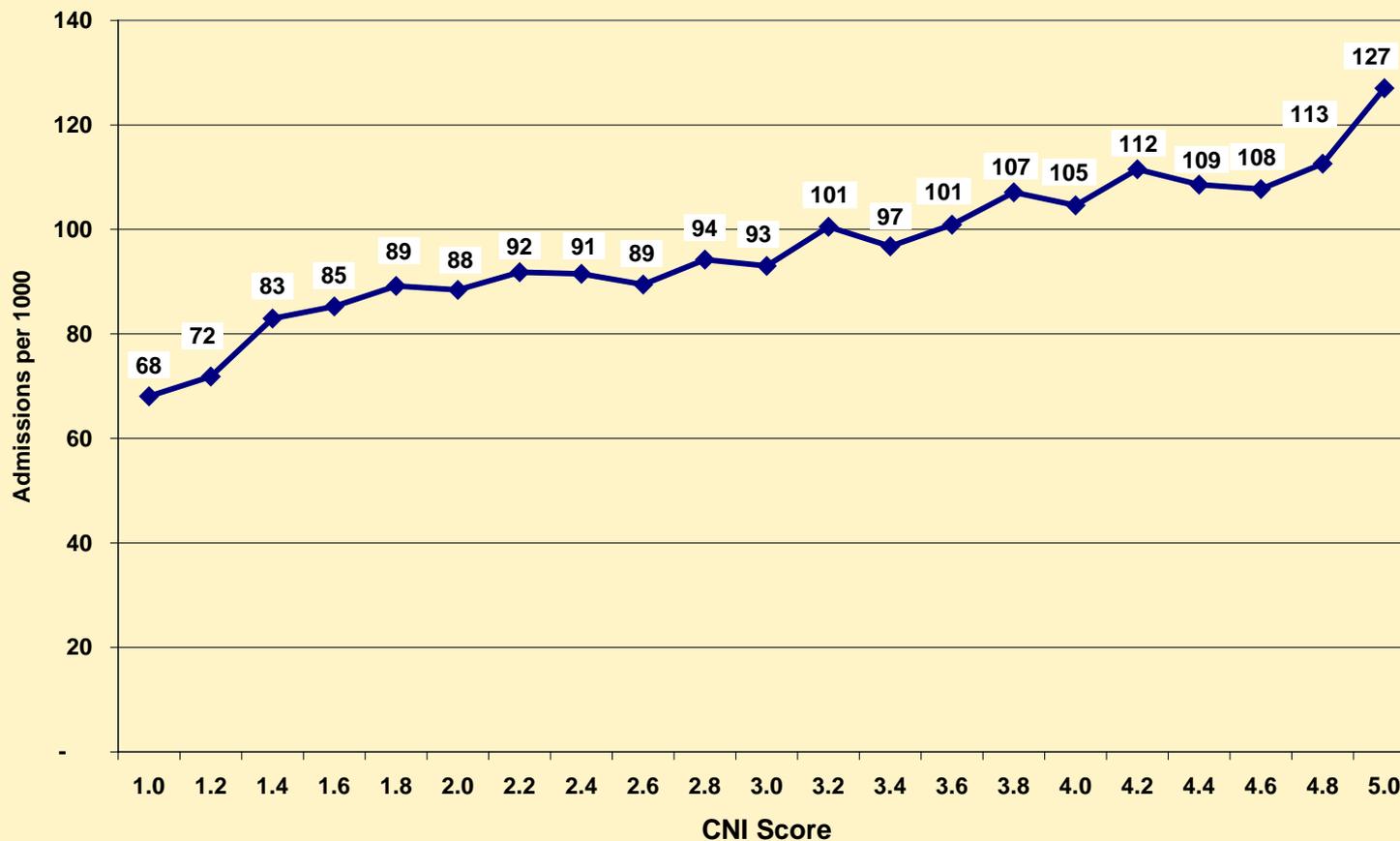
Mapping Communities – Variation by County



Highest quintile represents areas with most barriers to care and largest number of preventable hospital admissions

Strong Correlation with Discharge Rates

Annual Admission Rate per 1000 Population by CNI Score All Service Lines

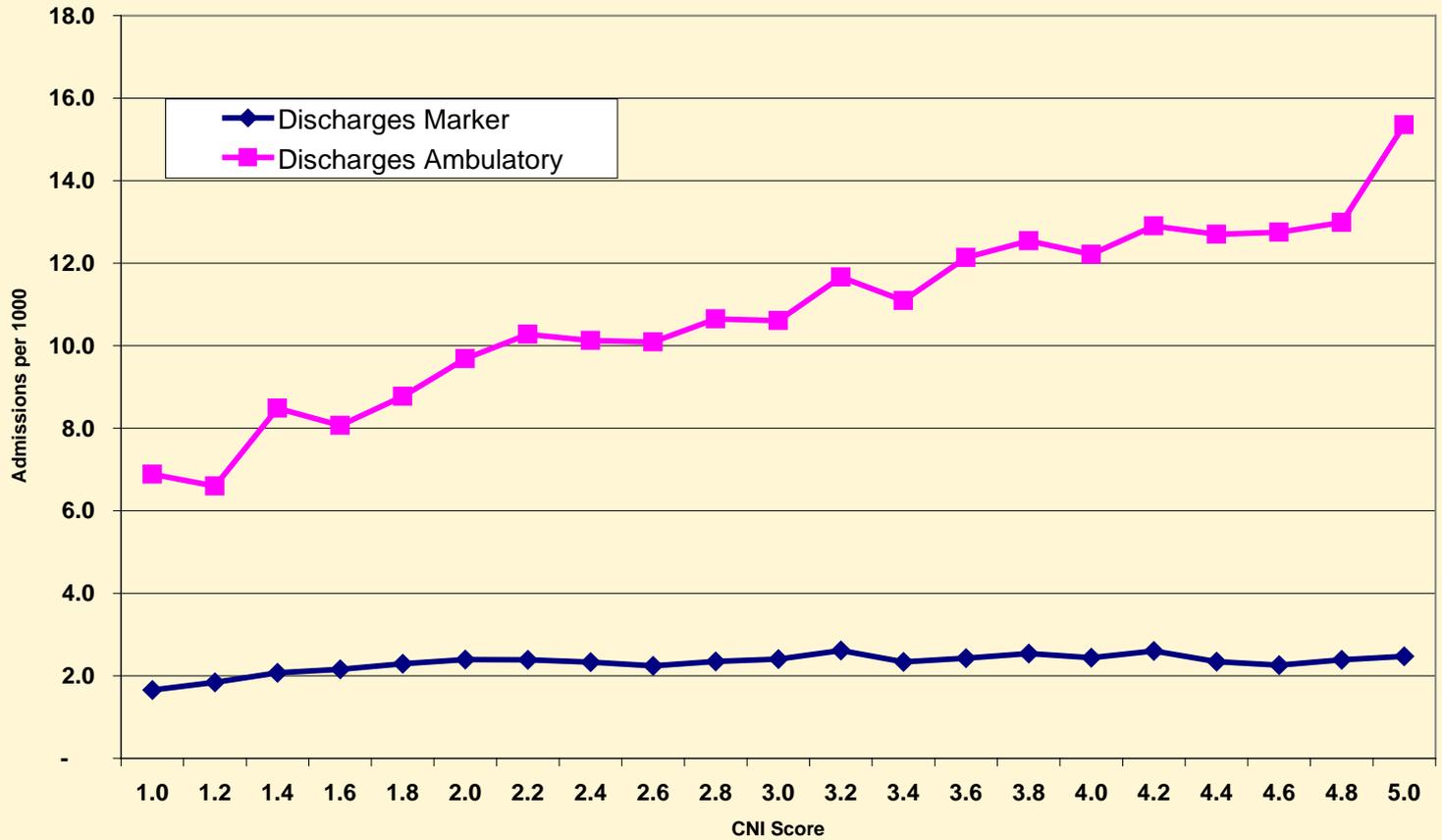


Admission Rates in High Need Areas Twice Those of Less Need

Strong Correlation with Avoidable Admissions

Annual Admission Rate per 1000 Population by CNI Score

Ambulatory vs. Marker Conditions



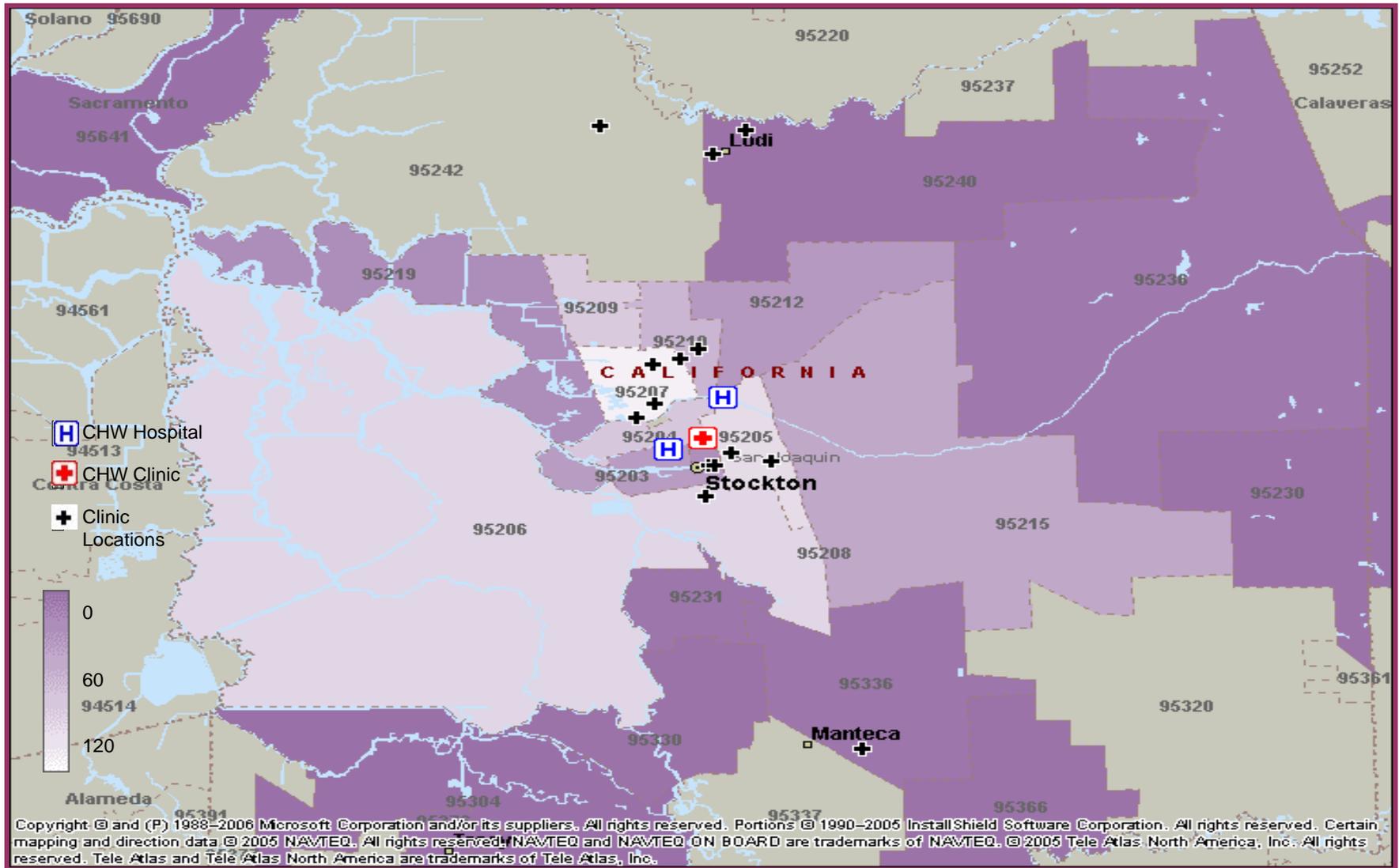
Preventable Admissions More Than Twice As Likely To Occur In High Need Areas; While Marker Conditions Occur At The Same Frequency

Note: Ambulatory Sensitive Conditions if treated properly in an OP setting, do not generally require an acute care admission

Catholic Healthcare West



St. Joseph's Medical Center, Stockton Utilization and Access to Primary Care Services



Zip Code Specific Utilization Data by Diagnosis

St. Joseph Hospital and Medical Center, Stockton

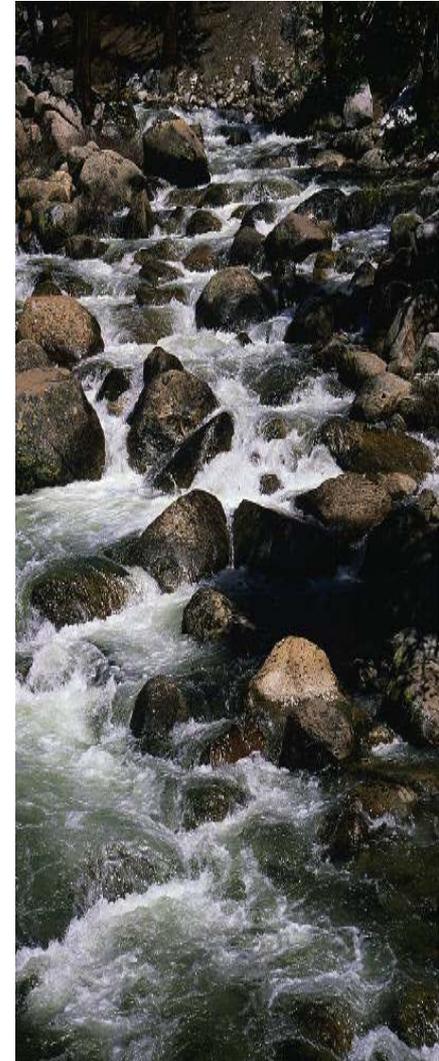
ZIP Code Name	2	(\$626)	Respiratory cc	COPD	Bronchitis & Asthma	Diabetes cc	Diabetes mcc	Total	Net Operating Margin
95202 STOCKTON,CA			2	2	1	1		27	(\$121,983)
95203 STOCKTON,CA	1	(\$13,184)		4	3	2		37	(\$102,895)
95204 STOCKTON,CA			2	10	6	5		73	(\$76,059)
95205 STOCKTON,CA			6	10	5	1	3	91	(\$154,020)
95206 STOCKTON,CA	1	(\$7,220)	4	7	11	3	5	85	(\$163,466)
95207 STOCKTON,CA			7	6	5	7	5	108	(\$347,915)
95208 STOCKTON,CA								1	(\$368)
95209 STOCKTON,CA	1	(\$5,308)	5	15	2	4		75	(\$101,232)
95210 STOCKTON,CA			4	4	9	3	1	60	(\$118,538)
95212 STOCKTON,CA	1	(\$4,465)	3	4	4	1		35	(\$73,134)
95215 STOCKTON,CA			3	17	1	3	1	47	(\$48,337)
95219 STOCKTON,CA			1	6	1	1	1	25	(\$28,405)
95228 COPPEROPOLIS,CA	1	(\$1,312)						1	(\$18,983)
95230 FARMINGTON,CA								3	(\$1,963)
95231 FRENCHCAMP,CA				1			1	4	(\$20,747)
95236 LINDEN,CA				1	2			7	(\$42,282)
95240 LODI,CA								2	\$3,400
95249 SANANDREAS,CA								1	(\$6,309)
95304 TRACY,CA	1							1	(\$364)
95330 LATHROP,CA								2	\$1,508
95336 MANTECA,CA	3							3	(\$11,292)
95337 MANTECA,CA								1	(\$1,481)
95363 PATTERSON,CA	1							1	\$2,096
95366 RIPON,CA								2	(\$626)
95376 TRACY,CA	1							1	(\$13,184)
95610 CITRUSHEIGHTS,CA								1	(\$7,220)
95640 IONE,CA							1	1	(\$5,308)
95641 ISLETON,CA								1	(\$4,465)
95667 PLACERVILLE,CA								1	(\$1,312)
								697	(\$1,464,884)

Admissions for the top 9 ACS conditions represent 4% of total admissions (17,269)

- Between 2008 and 2010, CHW hospitals invested \$5.7 million in preventive and disease management programs for patients who had been deemed at risk for hospitalization for asthma, diabetes, or congestive heart failure.
- This focus resulted in 8,917 individuals participating in disease management programs and a subsequent 86 percent reduction in admissions for the program participants.



- CHW Community Health Programs include
 - The CHW Community Benefit Program
 - The CHW Grants Program
 - In support of community non-profits
 - The CHW Investments Program
 - Low interest loans, lines of credit
 - Ecology Initiatives
 - Health protection effort – preserve and restore Earth
 - Advocacy Efforts
 - Grassroots efforts and shareholder activism



Chicanos Por La Causa -- Phoenix, AZ

Chicanos Por La Causa, Inc. (CPLC) is a statewide community development corporation (CDC), committed to building stronger, healthier communities as a lead advocate, coalition builder and direct service provider. CPLC promotes positive change and self-sufficiency to enhance the quality of life for the benefit of those we serve.

Before



After



www.chwHEALTH.org/cni

