



State and Local Health Survey Data Use in California Public Health Policy and Health Care

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Presenter Disclosures

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 - First 5 California




Background

- There has been growing interest in and demand for local-level data on population health.
- This type of data can be an important tool in informing and crafting public health and health care policy




Overview

- This presentation will review three examples in which CHIS data informed policy
 - Changing the food environment in Los Angeles
 - Monitoring health conditions and behaviors in Sonoma County for policy audiences
 - Developing and advocating for proposals for State-level health care reform



California Health Interview Survey (CHIS)

- CHIS is the nation's largest ongoing state health survey
- Five waves of publicly available and restricted data on adults, teens, and children
- Large sample sizes: 56k households in 2001, 42k in 2003, 45k in 2005, over 50k in 2007, and 50k in 2009
- Provides health information on the overall population, as well as local-level health information for most counties in California



California Health Interview Survey (CHIS)

- CHIS is designed to provide data that is used to
 - Support policy analysis, development and advocacy locally and statewide for public health and health care
 - Understand and measure health needs of California's population and assess disparities in health and health care
- Capture ethnic, geographic, and social class diversity
- Geocoded to link to external data on social and physical environment



Changing the Food Environment in LA

- In 2008 the Los Angeles City Council enacted a moratorium on new fast food establishments in South Los Angeles as part of an effort to prevent obesity and diabetes
- CHIS data presented in *Designed for Disease*, a report on the associations between the food environment and obesity and diabetes, was used to support the ban
- Researchers linked CHIS data on health outcomes with retail food outlet data to examine the relationship between food environment and health



Changing the Food Environment in LA

Factors Associated with Obesity, Adults 18+, California

Variable	OR	95% CI
Retail Food Environment Index		
<3	ref	
3-4.9	1.12*	1.01-1.25
5+	1.18**	1.06-1.31
Individual Household Income		
Low-income (<200%FPL)	1.21**	1.10-1.33
Higher income	ref	
Neighborhood Income		
Low-income	1.27**	1.17-1.38
Higher income	ref	
Race/Ethnicity		
White	ref	
Latino	1.47**	1.32-1.63
Asian	0.34**	0.28-0.41
African American	1.85**	1.60-2.15
American Indian	1.55**	1.14-2.10
Other (incl. Pacific Islander)	1.31*	1.05-1.62

Also adjusted for Age and Gender
*p<0.05, **p<0.01



Source: 2005 California Health Interview Survey, 2005 InfoUSA Business File and 2000 U.S. Census

Changing the Food Environment in LA

Retail Food Environment Index (RFEI) by Los Angeles Service Planning Areas (SPA)



Retail Food Environment Index (RFEI)
3.0-3.9
4.0-4.9
5.0-5.9
6.0-6.9

Prevalence of Adult Overweight & Obesity by Los Angeles Service Planning Areas (SPA)



Percent of Adults Overweight or Obese
40-49%
50-59%
60-69%



Source: 2005 California Health Interview Survey

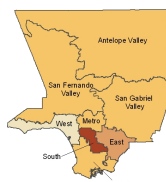
Changing the Food Environment in LA

Retail Food Environment Index (RFEI) by Los Angeles Service Planning Areas (SPA)



Retail Food Environment Index (RFEI)
3.0-3.9
4.0-4.9
5.0-5.9
6.0-6.9

Prevalence of Adult Diabetes by Los Angeles Service Planning Areas (SPA)



Percent of Adults with Diabetes
4-7%
7.5-9.9%
10% and above

Source: 2005 California Health Interview Survey



Monitoring health conditions & behaviors in Sonoma County

- Sonoma County's Network of Care for Healthier Communities uses CHIS data to monitor chronic health conditions for policy audiences
- They created the Community Dashboard to display county rates in a visually appealing and easily interpretable way

COMMUNITY DASHBOARD



Monitoring health conditions & behaviors in Sonoma County

Adults who are Obese

Value: 19.2 percent

Measurement Period: 2009

Location: County: Sonoma
CA Counties

Categories: Health / Exercise, Nutrition, & Weight
Health / Diabetes
Health / Heart Disease & Stroke

Teens who Engage in Regular Physical Activity

Value: 57.3 percent

Measurement Period: 2009

Location: County: Sonoma
CA Counties

Categories: Health / Exercise, Nutrition, & Weight
Health / Teen & Adolescent Health
Health / Diabetes

(Note: The above data is extracted from the visual dashboard in the image. The 'Adults who are Obese' chart shows a value of 23.6% for Sonoma County, which is higher than the 19.2% mentioned in the text. The 'Teens who Engage in Regular Physical Activity' chart shows a value of 67.6% for Sonoma County, which is higher than the 57.3% mentioned in the text.)

CHIS & Health Care Reform

- CHIS data used by virtually all stakeholders involved in California's health care reform process
 - To analyze Governor's health care reform proposal, develop amendments to his proposal or develop alternative proposals
 - CHIS was used as a common data base to define the problem and to craft and assess policy proposals

State-level health care reform

- CHIS data was used to inform health care reform at both state and sub-state levels
- For example, in 2007 CHIS data was used to assess how many individuals were uninsured at the state level

Exhibit 11. Health Insurance Coverage During Last 12 Months Among Nonelderly Persons, Ages 0-64, California, 2007

Source: The State of Health Insurance in California: findings from the 2007 California Health Interview Survey.

State-level health care reform

- CHIS data was used to assess how many individuals were uninsured at the county level

Source: California Health Interview Survey and the Health Policy Research Center.

State-level health care reform

- CHIS data was used to assess uninsured rates among the undocumented immigrant population at the state and county level

Exhibit 13. Citizenship and Immigration Status by Health Insurance Coverage During Last 12 Months Among Adults, Ages 19-64, California, 2007

Own Citizenship Status	Insurance Status					Total
	Uninsured All or Part Year	Employment-Based Coverage All Year	Medi-Cal or Healthy Families All Year	Privately Purchased All Year	Other All Year	
U.S. Citizens	18.5	62.8	7.4	6.5	4.8	100%
Noncitizens With a Green Card	39.9	41.4	12.3	3.7	2.8	100%
Noncitizens Without a Green Card	57.9	22.4	14.9	2.5	2.3	100%

Federal-level health care reform

- The state-level data presented earlier was included in the report, "The State of Health Insurance in California"
- Cited by the senate majority leader when making arguments for passing health care reform

Conclusions

- Research using population health survey data can be used to assess and improve community health
- Policy impacts were facilitated by
 - Availability of local-level data
 - Strategic approach to dissemination
 - Make data and research findings accessible to policymakers and advocates



Interested in using CHIS data?

- Visit www.CHIS.ucla.edu where you will find easy and free access to CHIS data and analytic tools
- Web site is portal to all information about CHIS
 - CHIS questionnaires and topics
 - CHIS public-use data files to download, information on how to access CHIS confidential data files
 - CHIS methodology reports
- Tools for researchers and persons with less technical capacity



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