

# Using Data For Action

Lisa R. Shugarman, Ph.D.  
Director of Policy  
November 13, 2013

# Using Data For Action

- Andy Krackov, Senior Program Officer, California HealthCare Foundation
- Charlene Harrington, Ph.D., Professor, University of California, San Francisco
- Andrew Bindman, MD, Professor, California Medicaid Research Institute, University of California, San Francisco
- Toby Ewing, Consultant, California Senate Governance and Finance Committee

***Our mission is to advance  
the development of a  
sustainable continuum of  
quality care for seniors.***

***Our vision is a society  
where seniors receive  
medical treatment and  
human services that are  
integrated in the setting  
most appropriate to the  
their needs and with the  
greatest likelihood of a  
healthy, independent life.***

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# Using Data For Action

The SCAN Foundation LTSS Summit  
November 13, 2013

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Andy Krackov,  
Senior Program Officer

# California Common Sense data.cacs.org

The screenshot shows the homepage of data.cacs.org. At the top, a browser window displays the URL https://data.cacs.org. Below the browser, a large banner features a background of binary code (0s and 1s) and a dark box on the right with the text "Customizable Downloads" and "Download all available information, or customize it so that it includes only what you want." Below the banner, there are three main content boxes: "Medicaid" with the subtitle "National Medicaid Spending by Category" and a description of 1997-2012 spending data; "Schools" with the subtitle "California K-12 Data" and a description of spending, performance, and demographic data by district; and "Spending" with the subtitle "California Enacted Budget Expenditures, 2007-08 thru 2013-14" and a description of enacted budget expenditures by state agency and department. At the bottom, there is a search bar and a "Search & Browse Datasets and Views" section. The search bar includes a search icon and a search input field. The "Search & Browse Datasets and Views" section includes a "View Types" sidebar with options like Datasets, Charts, Maps, Calendars, Filtered Views, External Datasets, and Files and Documents. The main content area of this section shows a table with columns for Name, Popularity, Type, and RSS. The table lists "Home Page Featured Story" with 7 views and "Messages" with 9 views. The table also includes a "Most Accessed" dropdown and a "This week" dropdown.

https://data.cacs.org

**Customizable Downloads**  
Download all available information, or customize it so that it includes only what you want.

**Medicaid**  
**National Medicaid Spending by Category**  
1997-2012. Medicaid Medical Assistance Program and Administration spending, by service, by year, by state and territory. Total, federal, and state spending.

**Schools**  
**California K-12 Data**  
Spending, Performance, Demographic Data by District.

**Spending**  
**California Enacted Budget Expenditures, 2007-08 thru 2013-14**  
Enacted Budget Expenditures by State Agency & Department. State Funds, Total Funds, and Personnel Positions.

Search

**View Types**  
Datasets  
Charts  
Maps  
Calendars  
Filtered Views  
External Datasets  
Files and Documents

**Search & Browse Datasets and Views**

Most Accessed This week

| Name                     | Popularity | Type | RSS |
|--------------------------|------------|------|-----|
| Home Page Featured Story | 7 views    |      |     |
| Messages                 | 9 views    |      |     |

# Google Docs

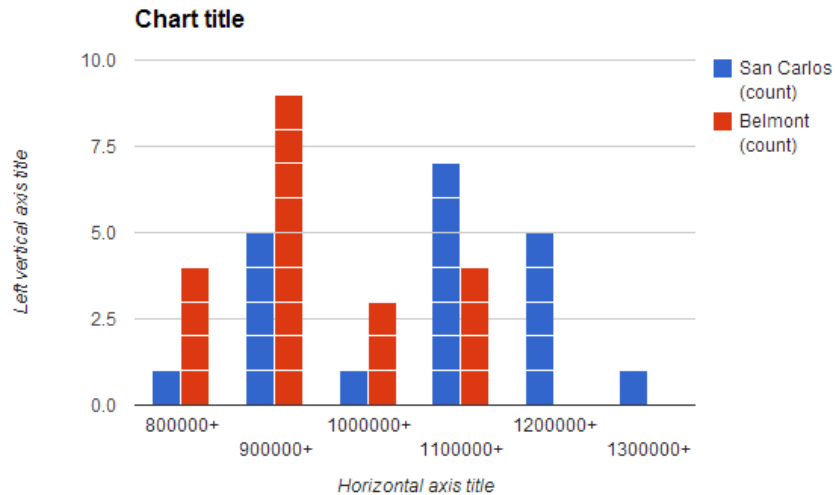
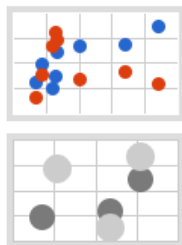
docs.google.com

## Chart Editor

Start **Charts** Customize

[Help](#)

- Line
- Area
- Column
- Bar
- Scatter**
- Pie
- Map
- Trend
- More

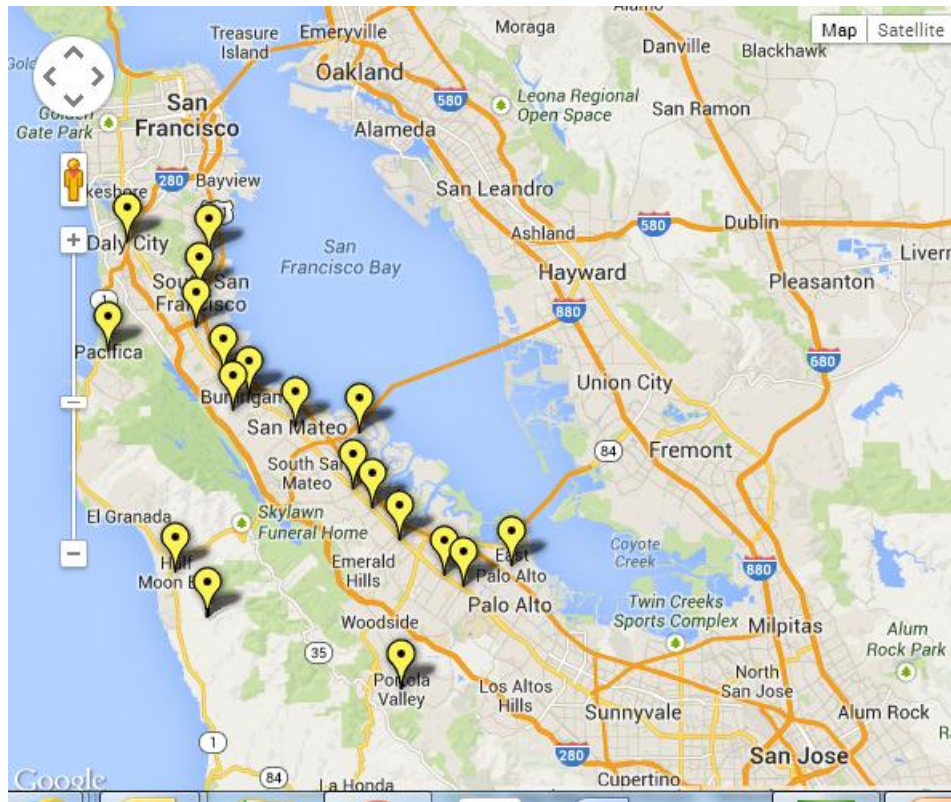


Insert

Cancel

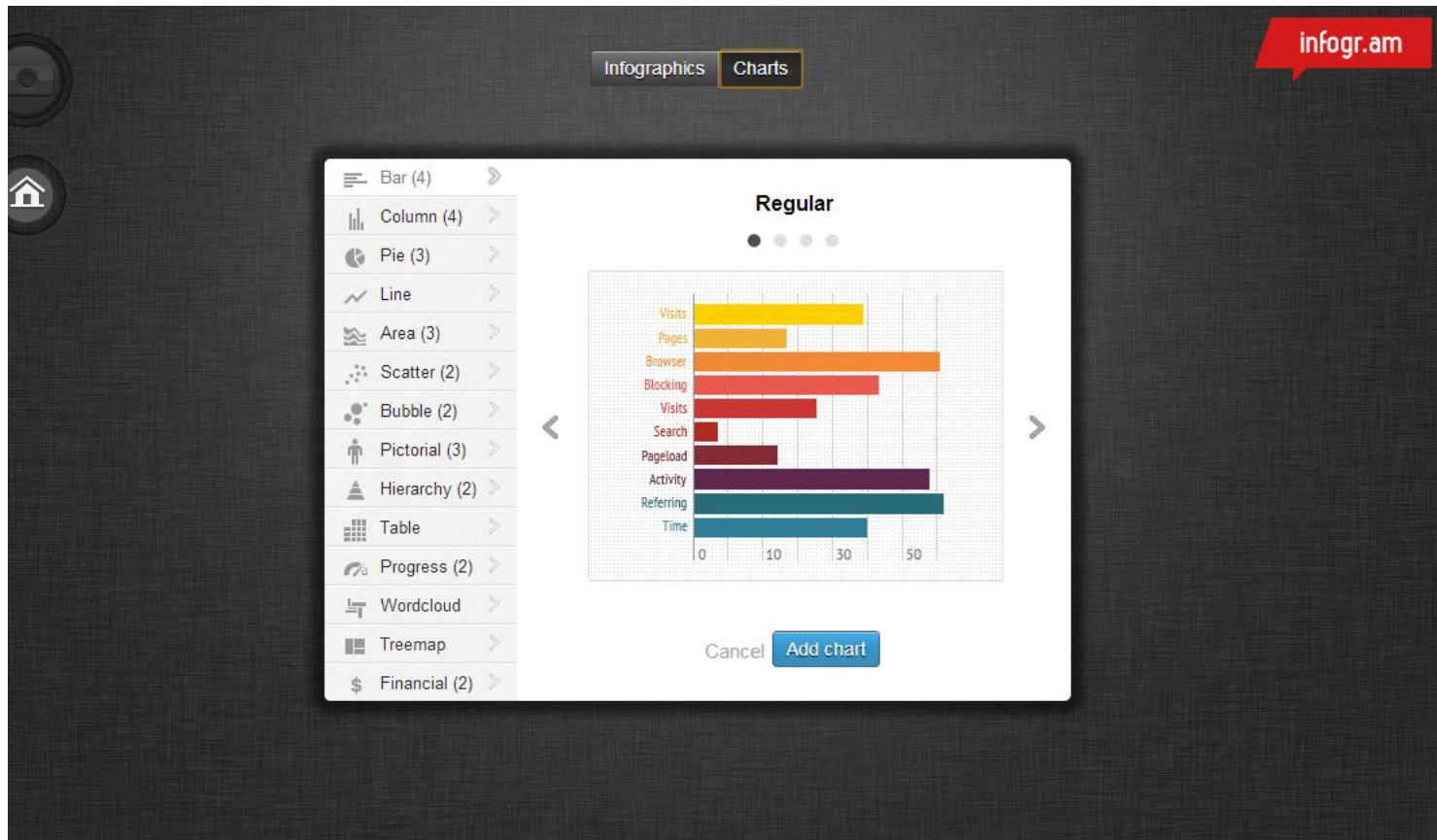
# Google Fusion Tables

[www.google.com/fusiontables](http://www.google.com/fusiontables)



# Infogr.am

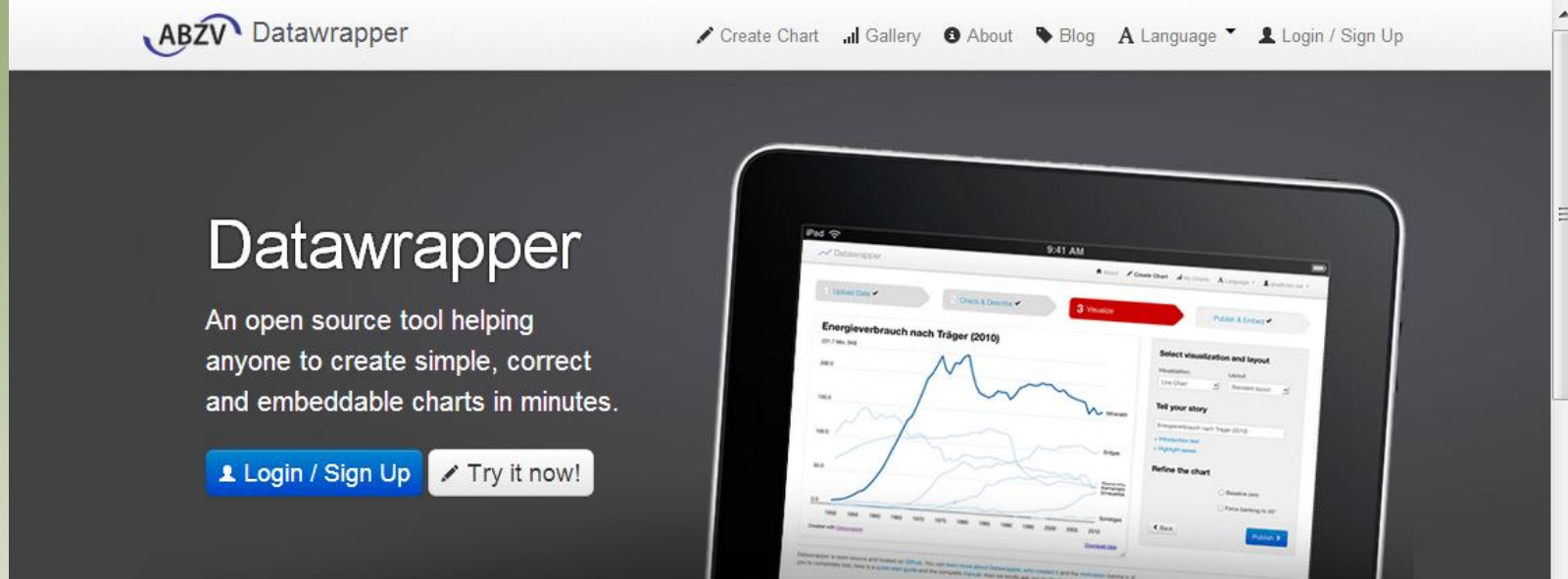
[www.infogr.am](http://www.infogr.am)





# Datawrapper

<http://datawrapper.de>



The screenshot shows the Datawrapper website interface. At the top, there's a navigation bar with the ABZV Datawrapper logo, and links for 'Create Chart', 'Gallery', 'About', 'Blog', 'Language', and 'Login / Sign Up'. The main content area features the 'Datawrapper' title and a description: 'An open source tool helping anyone to create simple, correct and embeddable charts in minutes.' Below this are two buttons: 'Login / Sign Up' and 'Try it now!'. On the right, a tablet displays a line chart titled 'Energieverbrauch nach Träger (2010)' with a '3 Visualize' button and a 'Publish & Embed' button. The chart shows energy consumption over time for different carriers. A sidebar on the right of the tablet shows options for 'Select visualization and layout' and 'Refine the chart'.

## Easy to use

This little tool reduces the time needed to create a correct chart and embed it into any website from hours

## Full control

Datawrapper is 100% free software. You can use our free hosted service, or install it on your own server for

## Customizable

We encourage you to [customize the charts layout](#), fonts and colors to make them integrate nicely in your



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[www.chcf.org/freethedata](http://www.chcf.org/freethedata) | [akrackov@chcf.org](mailto:akrackov@chcf.org)

UCSF

# California Long Term Care Services and Supports

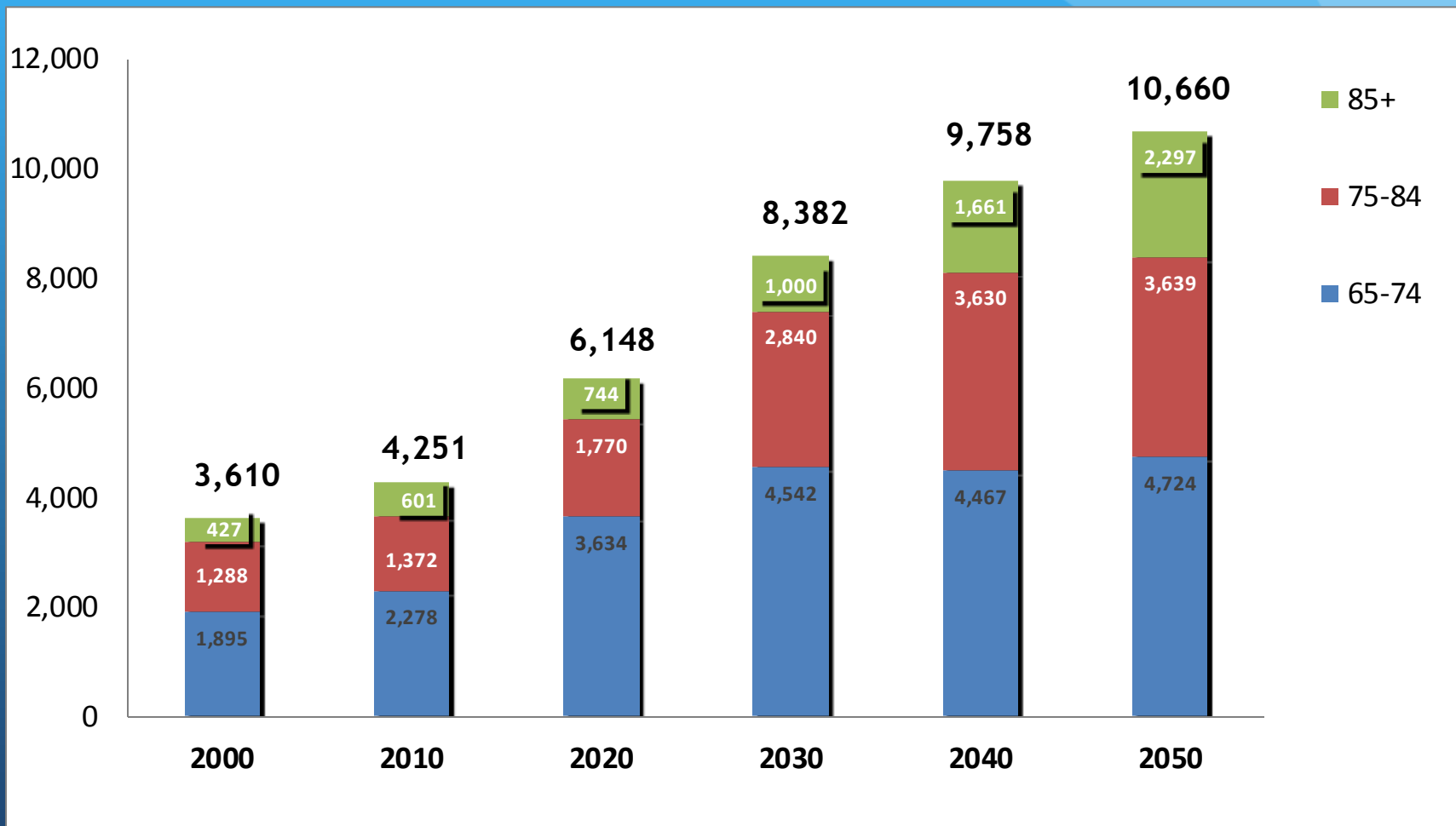
Charlene Harrington, Ph.D. Professor  
University of California San Francisco

The SCAN Foundation LTSS Summit  
November 13, 2013

# California Health Care Almanac

## Long Term Care in California: Ready for Tomorrow's Seniors?

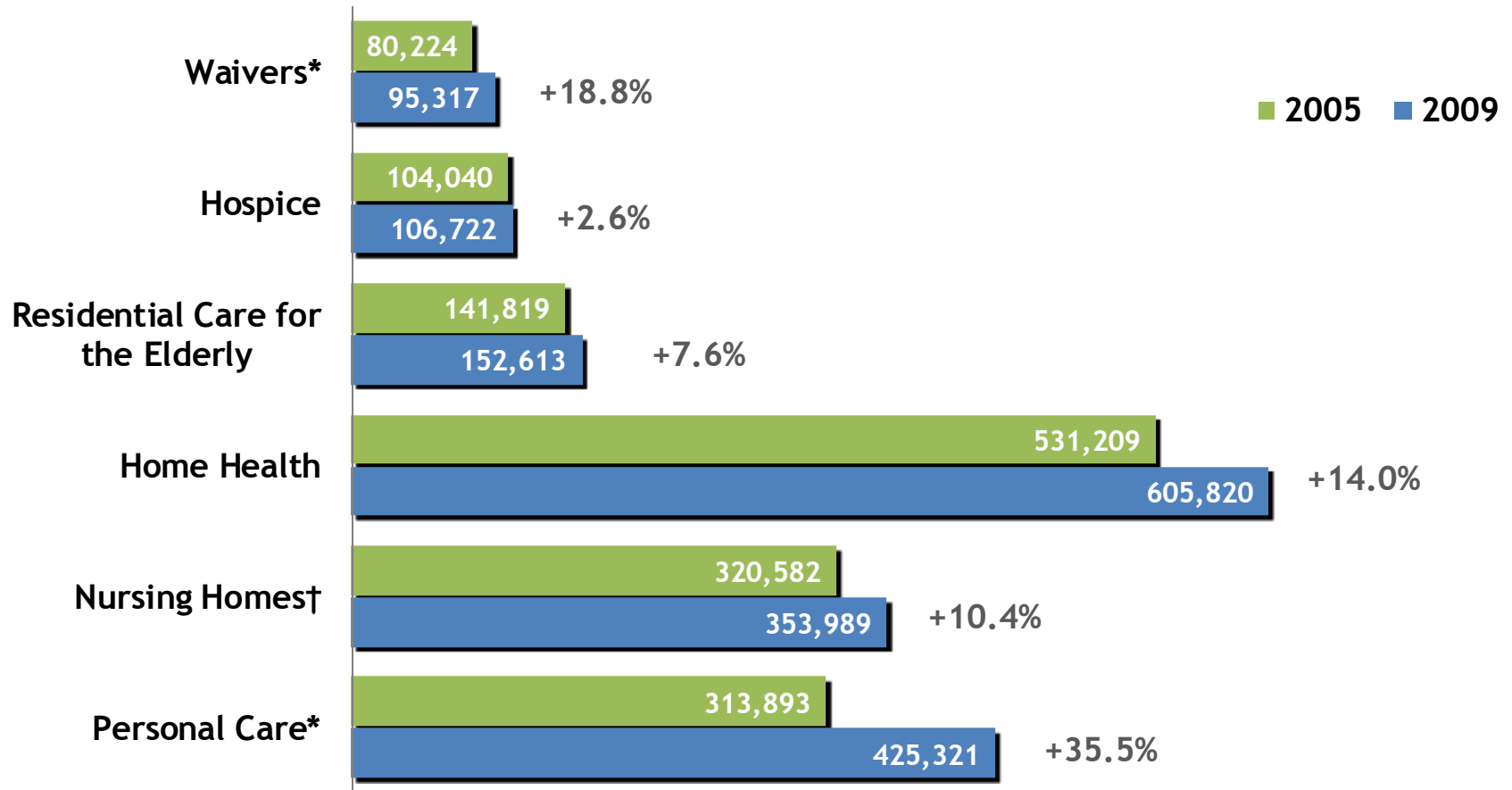
C. Harrington, E. Newsom, and L. Ross, UCSF, 2013 for California Healthcare Foundation



\* In thousands

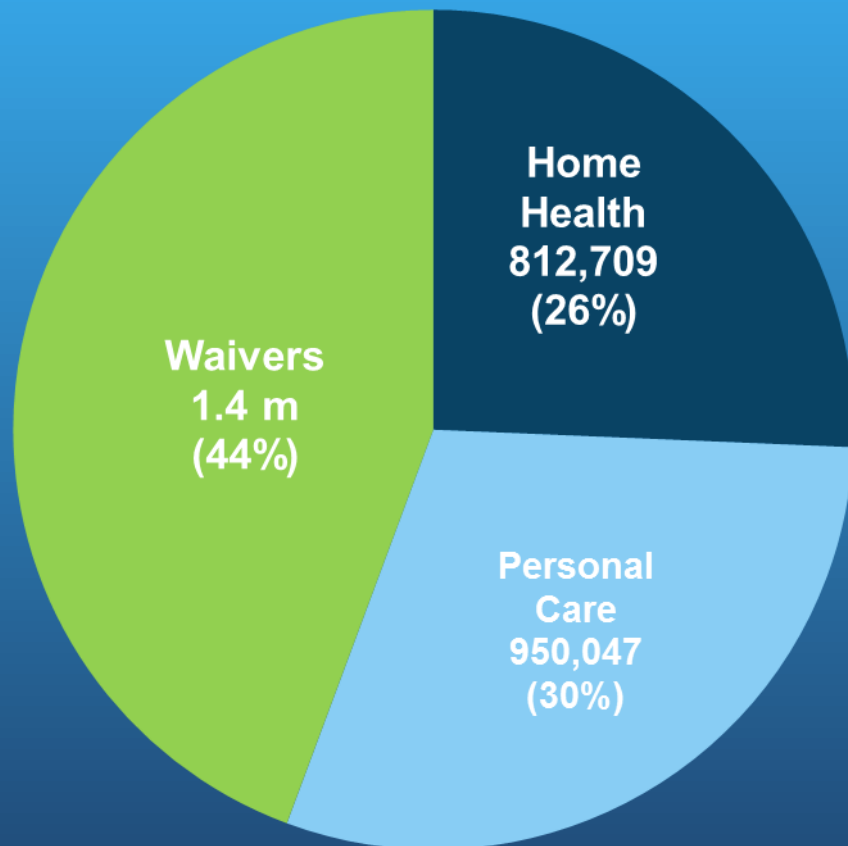
[www.chcf.org/~media/MEDIA%20LIBRARY%20Files/PDF/L/PDF%20LTCReadyForTomorrowsSeniors2013.pdf](http://www.chcf.org/~media/MEDIA%20LIBRARY%20Files/PDF/L/PDF%20LTCReadyForTomorrowsSeniors2013.pdf)

# Californians Receiving Long Term Care, 2005 and 2009

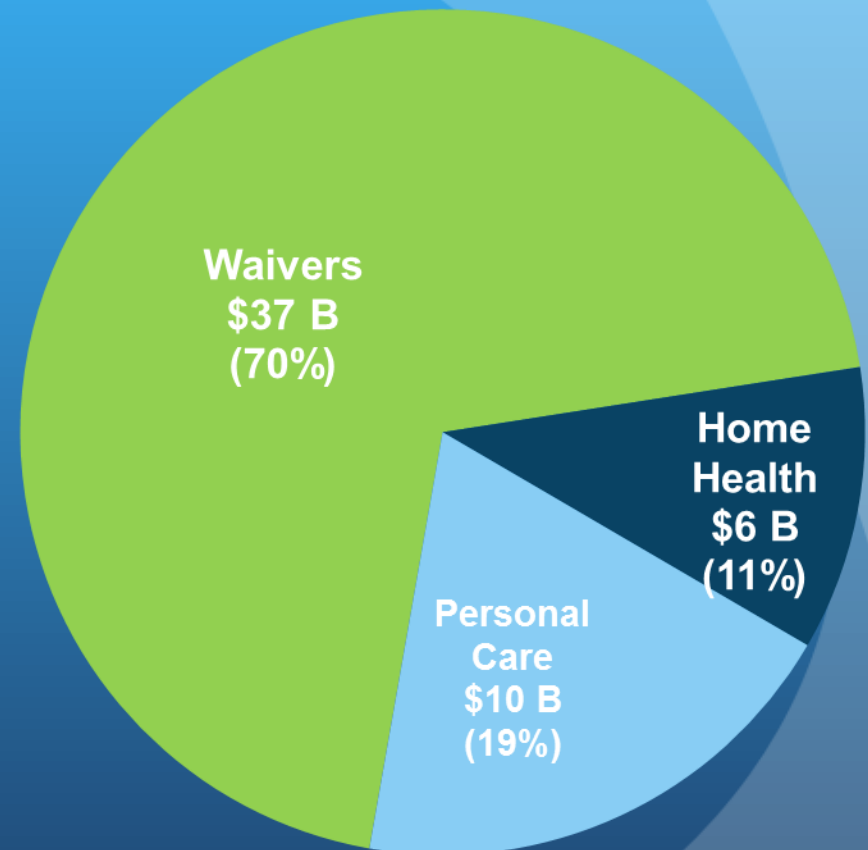


# Medicaid HCBS Participants & Expenditures, 2010

Total Participants: 3.17 million



Total Expenditures: \$53 billion



# LTSS Data and Information

- Center for PAS Personal Assistance Services [www.pascenter.org](http://www.pascenter.org)  
Funded by NIDRR 2003-2013
- Community Living Policy Center [www.communitylivingpolicy.org](http://www.communitylivingpolicy.org)  
Funded by NIDRR 2013-2018  
Steve Kaye Ph.D. P.I.

# UCSF Community Living Policy Center Goals

[www.communitylivingpolicy.org](http://www.communitylivingpolicy.org)

- Develop a strategic plan for community living research
- Identify state LTSS promising practices
- Conduct an inventory of state LTSS policies, practices, programs, and future plans
- Conduct evaluations and cases studies including managed LTSS in California
- Conduct basic research on selected topics in community living
- Develop systems for monitoring progress in state LTSS



# CalQualityCare.org

## California Healthcare Foundation

- Basic information on LTSS
- Nursing Homes, Home Health, Hospice, ICF/DD --  
5-Level Rating system
  - Federal and state deficiencies
  - Complaints
  - Staffing hours (for nursing homes)
  - Quality Measures
- Information on providers and state averages from multiple data sets
- Used by consumers, providers, researchers, media, others

▶ Developed & Maintained by UCSF



## Find Long Term Care Providers

Enter city, county, ZIP code or provider name:

San Diego

GO

### Care in a Facility

### Care at Home

- ☒ Developmentally Disabled ☐
- ☒ General Services
- ☒ Habilitation Services
- ☒ Nursing Services
- ☒ Nursing Facilities ☐
- ☒ Congregate Living
- ☒ Skilled Nursing
- ☒ Residential Care ☐
- ☒ Adult Residential Care
- ☒ Assisted Living
- ☒ Children Residential Care

Filter results by:

All Services

☐ Show only providers that accept Medi-Cal

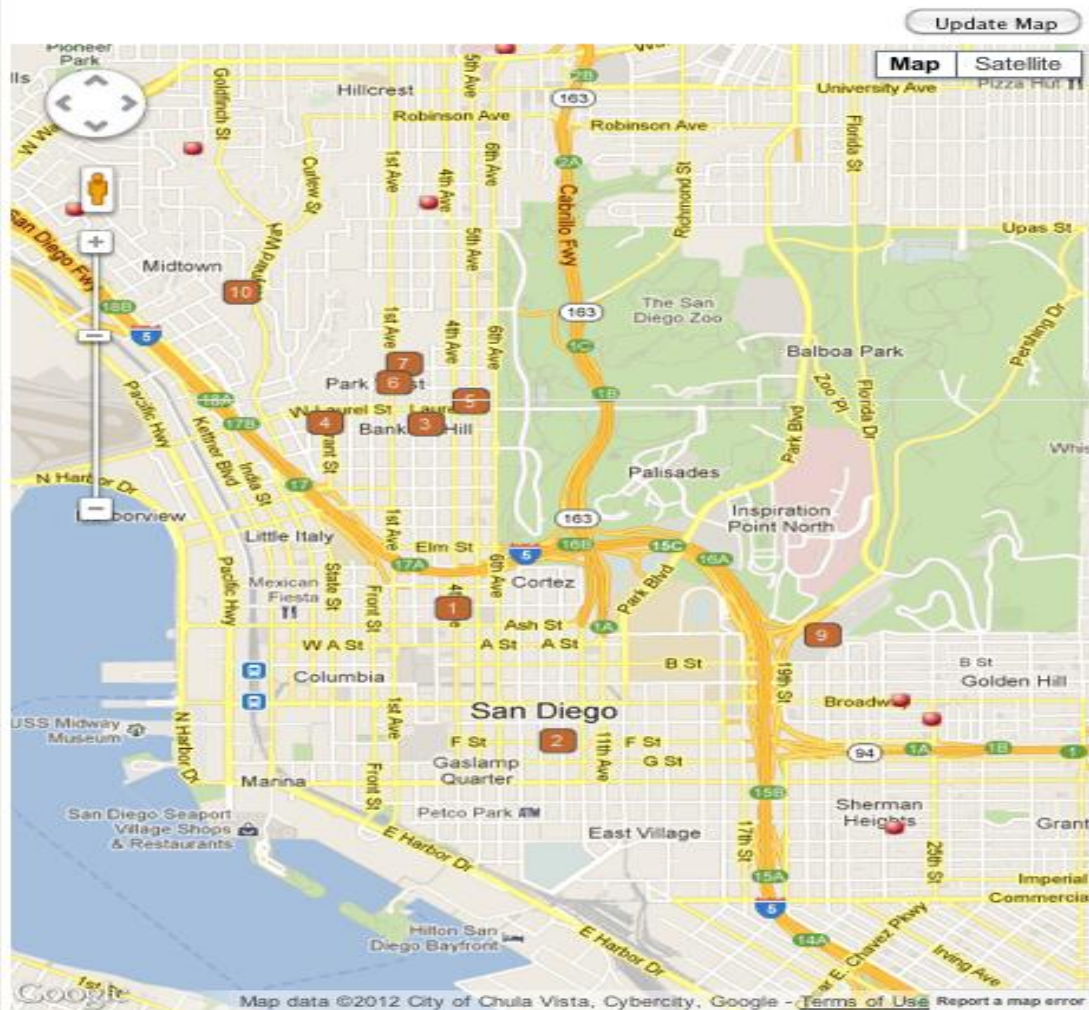
Your search for providers in the city of **San Diego** has returned **619** results.

| MAP # | NAME                                   | TYPE | RATING    |
|-------|--|------|-----------|
| 1     | Toussaint Academy of Arts and Sciences | CRC  | NOT RATED |
| 2     | New Vistas                             | ARC  | NOT RATED |
| 3     | St. Paul's Villa                       | AL   | NOT RATED |
| 4     | Harborview Chateau                     | AL   | NOT RATED |
| 5     | Vista Balboa                           | ARC  | NOT RATED |
| 6     | Merrill Gardens at Bankers Hill        | AL   | NOT RATED |
| 7     | St. Paul's Manor                       | AL   | NOT RATED |
| 8     | St. Paul's Health Care Center          | SN   | SUPERIOR  |

Use the options to the left to search for long term care providers in your area. Once you change any option, use the "Go" button to update the search results.

If you use the map to navigate to a new location, use the "Update Map" button to show the new search results in the list to the lower left.

Browse a complete list of long term care providers.





## Hacienda Rehabilitation & Health Care Center

[Overview](#)

[Staffing](#)

[Quality of Facility](#)

[Quality of Care](#)

[Costs and Finances](#)

[Map of Area](#)

[View All](#)

**Hacienda Rehabilitation & Health Care Center**  
361 East Grangeville  
Boulevard  
Hanford, CA 93230

559-582-9221  
[Email This Provider](#)

Provider Type:  
**Nursing Facilities,  
Skilled Nursing**

Owner Name:  
**Hacienda Rehabilitation  
& Health Care Center,  
Inc.**

Ownership Date:  
**2/21/1989**

Ownership Type:  
**For-profit - Corporation**

License Number:  
**040000042**


Multi-facility Organization:  
**No**



[BOOKMARK](#) 


[SHARE](#) 

[CREATE REPORT](#) 


[PRINT](#) 

Click on any  for data definitions, sources, and reporting dates. Use the buttons to the right to generate a complete report on this provider or print just the page you are viewing. When the indicator is in gray and the data shows as a dash, the information has not been provided by the facility.

| Overview                      | Current   | State Average |
|--|-----------|---------------|
|  <b>CalQualityCare Rating</b> |           |               |
| U.S. Government Rating   | ★ ★ ★ ☆ ☆ |               |
| Campaign for Excellence  | No        |               |
| U.S. Government Watch List   | No        |               |
| Accreditation  | None      |               |

| Facility Characteristics  |                      |  |
|--|----------------------|--|
| Facility Type  | Freestanding         |  |
| Payments Accepted  | Medicare<br>Medi-Cal |  |
| Number of Beds   | 133                  |  |
| Occupancy Rate   | 91%                  |  |
| Type of Care   |                      |  |
| Intermediate Care  | No                   |  |
| Psychiatric Care   | No                   |  |
| Residential Care   | No                   |  |
| Subacute Care  | No                   |  |
| HIV/AIDS Special Unit  | No                   |  |
| Alzheimer's Special Unit   | No                   |  |
| Hospice Special Unit   | No                   |  |
| Rehabilitation Special Unit  | No                   |  |
| Ventilator Beds  | No                   |  |
| Continuing Care Retirement Community   | No                   |  |

### TOOLS & RESOURCES

 [Learn about Nursing Facilities: How to pay for, choose, and manage your care](#)

### OTHER PROVIDERS IN THE AREA

[Hanford Nursing & Rehabilitation Center](#)

[Kings Nursing & Rehabilitation Center](#)

[Kingsburg Care Center](#)

[Bethel Lutheran Home](#)

[Selma Convalescent Hospital](#)

[COMPARE PROVIDERS](#) 

CA DPH Electronic Licensing Management System (ELMS) data

## Age

Under 45 Years

2%

3%

45 - 64 Years

4%

15%

65 - 84 Years

40%

44%

Over 84 Years

54%

38%

## Gender

Female

72%

64%

Male

28%

36%

## Race and Ethnicity

African American

5%

10%

Asian or Pacific Islander

0%

10%

Caucasian

95%

64%

Native American

0%

1%

Other Race

0%

16%

Hispanic Ethnicity

22%

16%

## Need for Assistance

Eating

24%

22%

Mobility

43%

29%

Toileting

49%

34%

Average

38%

28%

## Special Care Needs

Rehabilitation

10%

30%

Extensive, Special Care or  
Complex

29%

36%

Impaired Cognition

10%

6%

Behavioral Problems

0%

1%

Reduced Physical Function

52%

26%

Average Resident Need Score

CA OSHPD &amp; CMS CASPER &amp; RUGS data



## CalQualityCare Rating

CA Office of Statewide Health Planning & Development Financial Report Data

Medicare Days of Care\*

Low

Nursing Staff Turnover

23%

46%

Nursing Hours per Resident Day

Supervisors and Registered Nurses

.24

.63

Nursing Assistants

2.95

2.51

Licensed Vocational or Practical Nurses

.73

.88

Total

3.91

4.02

Physical Therapist Hours per Resident Day

.02

.13

Nursing Wages per Hour

Licensed Nurses (RN & LVN)

\$23.14

\$28.46

Nursing Assistants

\$10.88

\$13.00

Directors of Nursing or Supervisors

\$45.62

\$50.07

Benefits per Hour (All Employees)

\$5.27

\$5.64

## Penalties & Fines



Facility Average

State Average

### Federal Penalties & Fines

Three-Year Total

State Average

Penalties

0

0

Total Federal Fines

\$0

\$2,407

Denial of Payment for New Admission

0

0

CMS and CA DPH Electronic Licensing Management System

### State Violations & Fines

Resident Death

0

0

Resident Danger

0

0

Resident Care

0

1

Total State Fines

\$0

\$4,414

## Quality of Facility

[? MORE INFO](#)

Facility Average

State Average



### CalQualityCare Rating

#### Deficiencies and Citations

[View Trend](#)



Three-Year Total

State Average

Quality of Care

2

7

Mistreatment

1

2

Resident Assessment

2

3

Resident Rights

0

4

Environment

5

7

Nutrition

2

3

Pharmacy

4

4

Administration

2

3

Life Safety

24

18

**Total**

**42**

**51**

[View state Web site  
for more details ►](#)

CA DPH Electronic Licensing Management System (ELMS) & CMS  
Certification and Survey Provider Enhanced Reports (CASPER) Data

#### Complaints

Five-Year Total

[View Trend](#)



Five-Year Total

State Average

Quality of Care

1

6

Staffing

0

0

Mistreatment

0

3

Resident Rights

1

2

Environment

1

1

Nutrition

0

0

Administration

0

3

**Total**

**3**

**15**

[View state Web site  
for more details ►](#)

## Quality of Care

[? MORE INFO](#)

Facility Average

State Average



### CalQualityCare Rating

### CMS Nursing Home Compare quality measures

|   |     |     |
|---|-----|-----|
| Activities of Daily Living Worsened               | 30% | 13% |
| High-Risk Residents with Pressure Sores           | 10% | 7%  |
| Use of Catheters                                  | 4%  | 4%  |
| Use of Restraints                                 | 2%  | 4%  |
| Urinary Tract Infections                          | 11% | 7%  |
| Moderate to Severe Pain                           | 32% | 10% |
| One or More Falls with Injury                     | 2%  | 2%  |
| Antipsychotic Use                                 | 24% | 21% |
| Short-stay Residents with Pressure Sores          | 3%  | 1%  |
| Short-stay Residents with Moderate to Severe Pain | 37% | 22% |
| Short-stay Residents with Antipsychotic Use       | 1%  | 3%  |



## Costs and Finances

[MORE INFO](#)

### Facility Average

### State Average

Average Total Expenditures per Resident Day

\$227.92

\$259.04

Percent of Expenditures per Resident Day

Direct Care

48%

53%

Other Care

14%

15%

Administrative Services

24%

23%

Capital Investments

14%

8%

Average Charges per Resident Day

Medi-Cal

\$165

\$258

Medicare

\$503

\$666

Self-pay

\$227

\$229

Other Payers

NA

\$385

Resident Care Days by Payment Source

Medi-Cal

75%

63%

Medicare

18%

16%

Self-pay

6%

11%

Other Payers

0%

10%

## Net Operating Income or Loss

2011

\$-100,834

\$649,141

2010

\$-64,404

\$493,996

2009

\$-43,997

\$767,452

2008

\$109,946

\$538,779

2007

\$198,980

\$746,950

2006

\$308,071

\$634,244

2005

\$58,127

\$474,052

2004

\$93,355

\$348,658

2003

\$77,428

\$239,972

## Operating Margin

2011

-1%

8%

2010

-1%

5%

2009

0%

4%

2008

1%

2%

2007

2%

3%

2006

4%

4%

2005

1%

3%

2004

1%

2%

CA Office of Statewide Health Planning & Development  
Financial Report Data

# Extensive Data Available

- Multiple LTSS data sets available and analyzed
  - CHCF California Almanac [www.CHCF.org](http://www.CHCF.org)
  - Kaiser Family Foundation [www.kff.org](http://www.kff.org)
  - PAS Center/ New Community Living Policy Center - UCSF  
[www.pas.center.org](http://www.pas.center.org) [www.communitylivingpolicy.org](http://www.communitylivingpolicy.org)
  - CHCF California Quality Care [www.calqualitycare.org](http://www.calqualitycare.org)
- Gaps in existing data -
  - CA Residential care data not computerized
  - Managed care LTSS data
- Need for partnerships to collect, use and analyze LTSS data

# **Using Data to Support Improvements in Long Term Services and Supports in California**

Andrew B. Bindman, MD  
Professor Medicine  
California Medicaid Research Institute  
University of California San Francisco

# Assembling Medi-Cal, Medicare and State Data Files

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- Comprehensive statewide study of Medi-Cal users of LTSS, including dual Medicare and Medicaid enrolled (MME) beneficiaries
- Assembling an integrated and longitudinal database of Medicaid, Medicare and state data
  - 19 claims, assessment, eligibility and other files from CMS, Medi-Cal and other state departments
  - Does **not** include Part D prescribing data

## Examples of Key Questions

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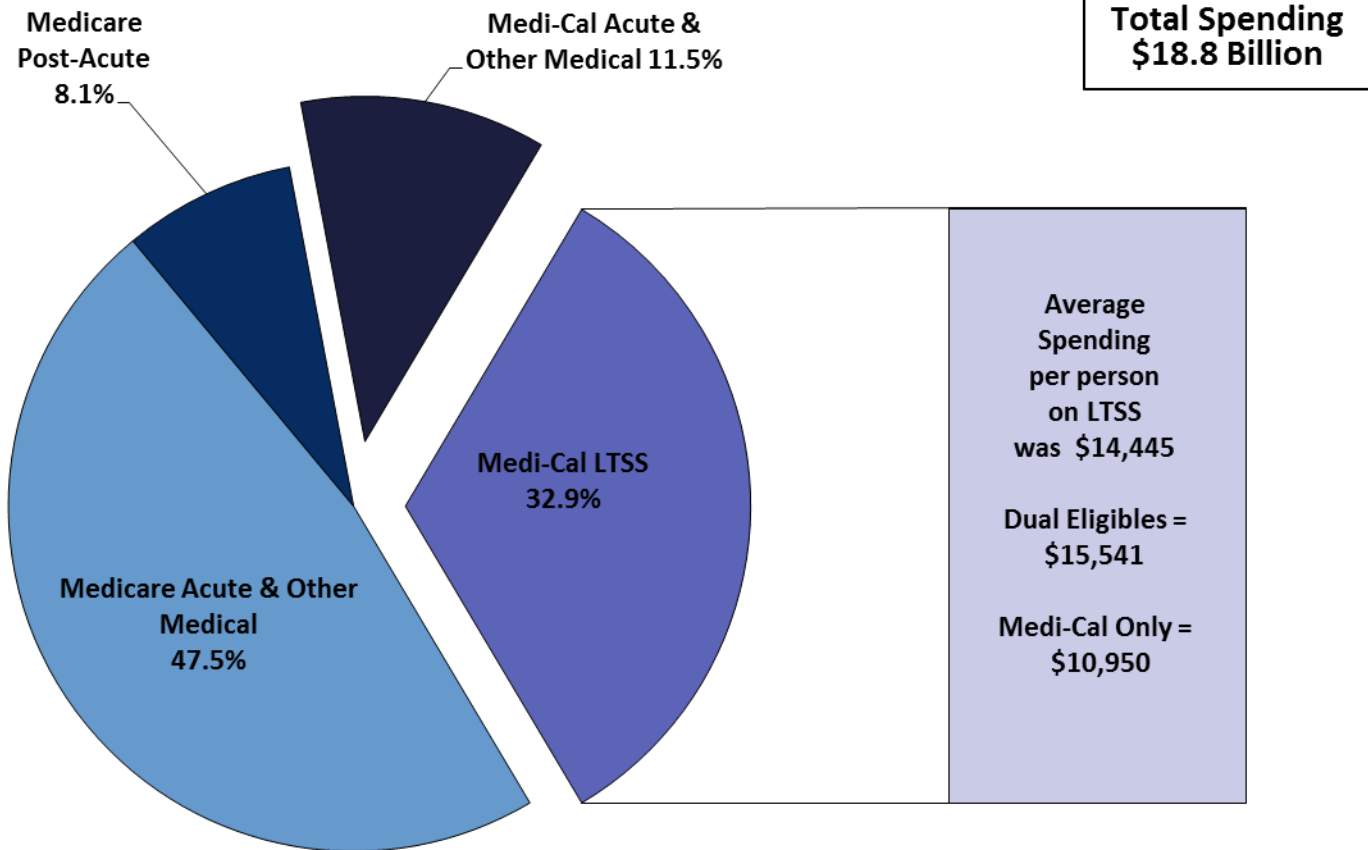
- How much is spent by Medi-Cal and Medicare on LTSS beneficiaries?
- What LTSS services do beneficiaries use?
- How often do Medi-Cal beneficiaries receive HCBS services prior to being admitted to nursing facilities for extended stays?
- How do counties vary in the types of LTSS used by Medi-Cal beneficiaries?

# Study Population

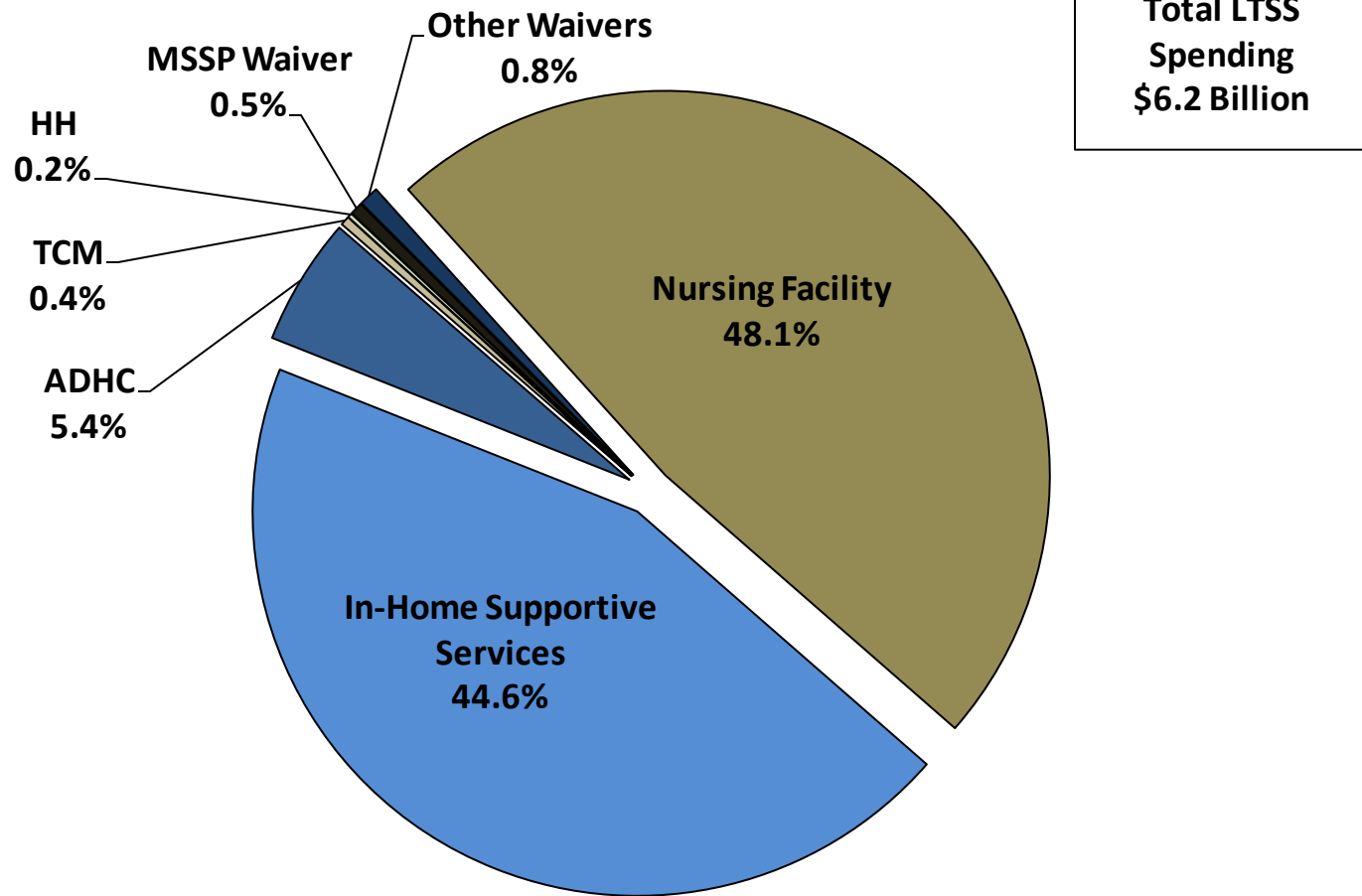
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- Persons age 18 and older
- Received Medi-Cal funded LTSS in 2008
  - Nursing Facility (NF)
  - Home Health (HH)
  - In-Home Supportive Services (IHSS)
  - Adult Day Health Care (ADHC)
  - Targeted Case Management (TCM)
  - Any Section 1915(c) HCBS waiver
- Excluded populations
  - Individuals who qualify for Medi-Cal based on a diagnosis of developmental disability
  - Individuals enrolled in Medi-Cal or Medicare managed care

# Medi-Cal and Medicare Spending for Acute and Other Medical, Post-Acute and LTSS, 2008

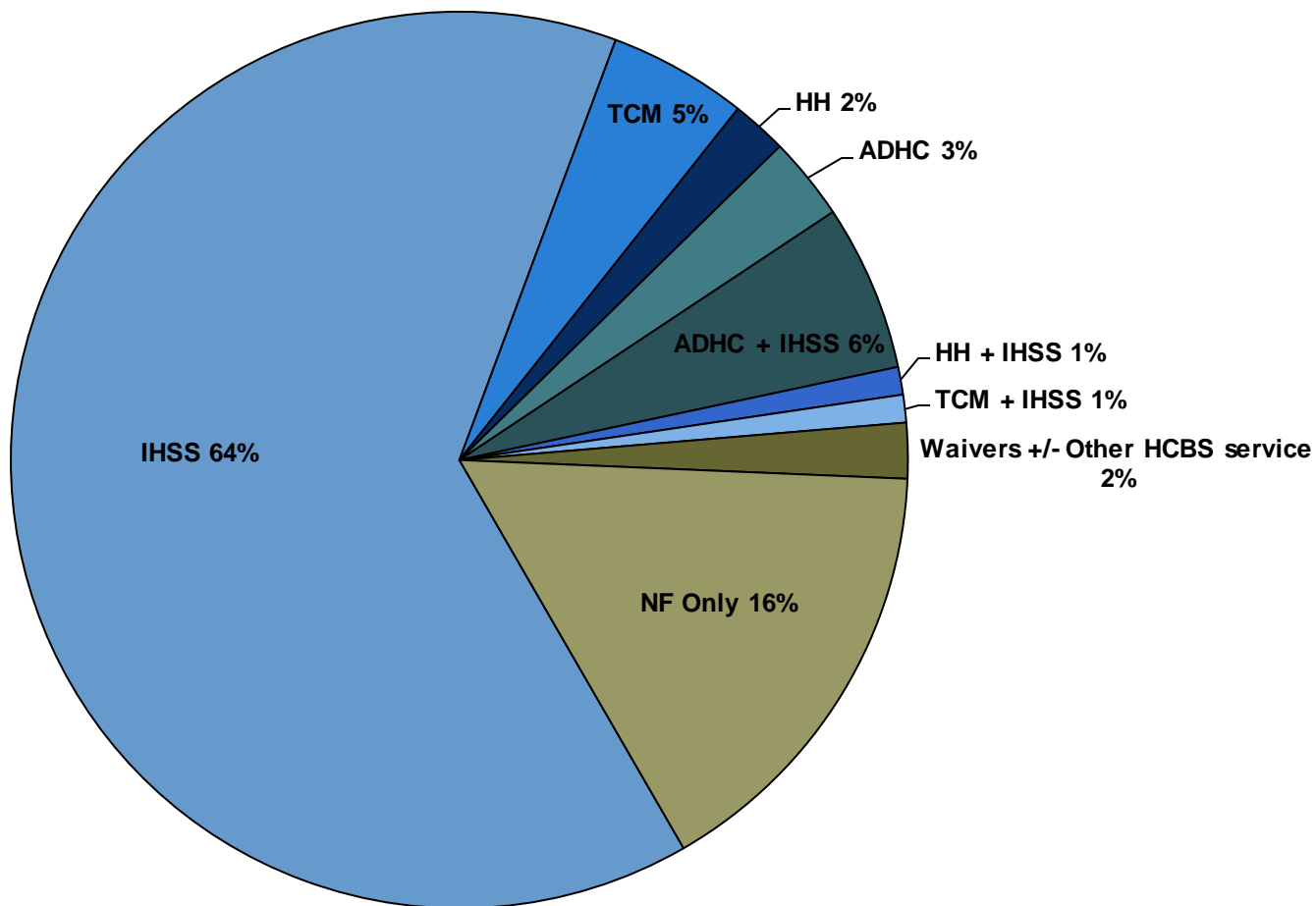


# Medi-Cal Spending on LTSS, 2008



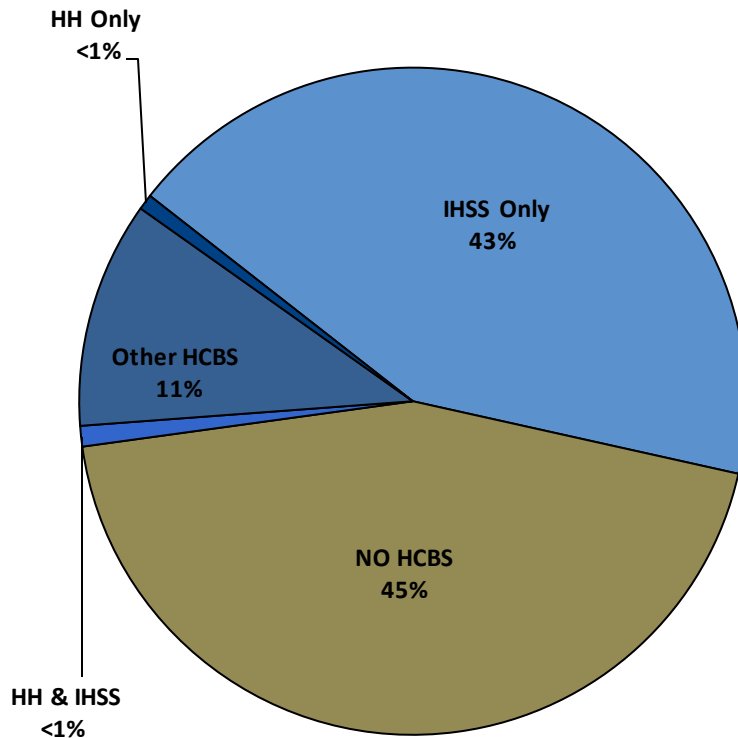


# Medi-Cal LTSS Recipients by Type of Service, 2008

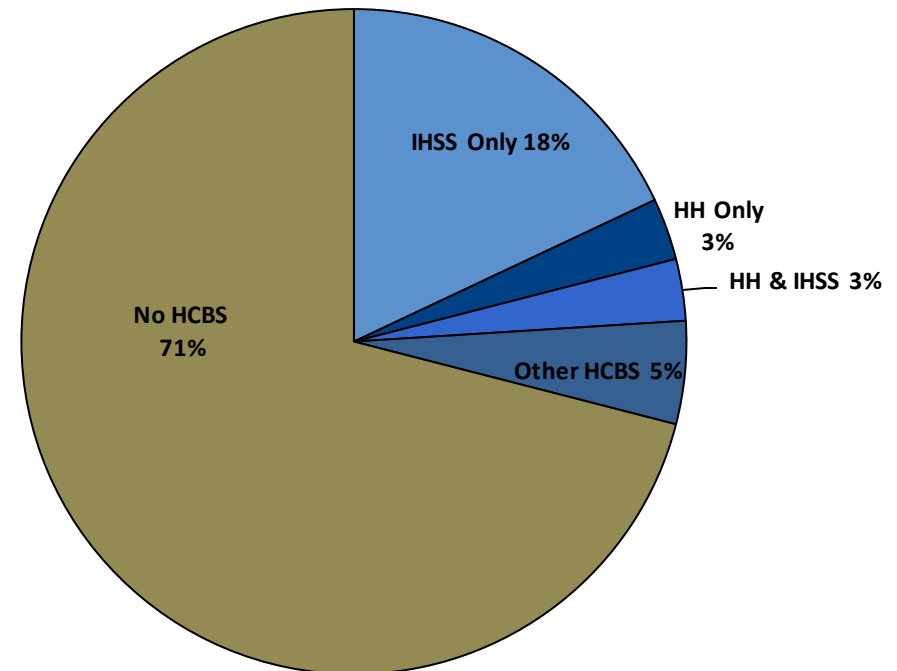


# Use of HCBS by MMEs and Medi-Cal Only Enrollees During 3 Months Prior to Long-Stay NF Entry

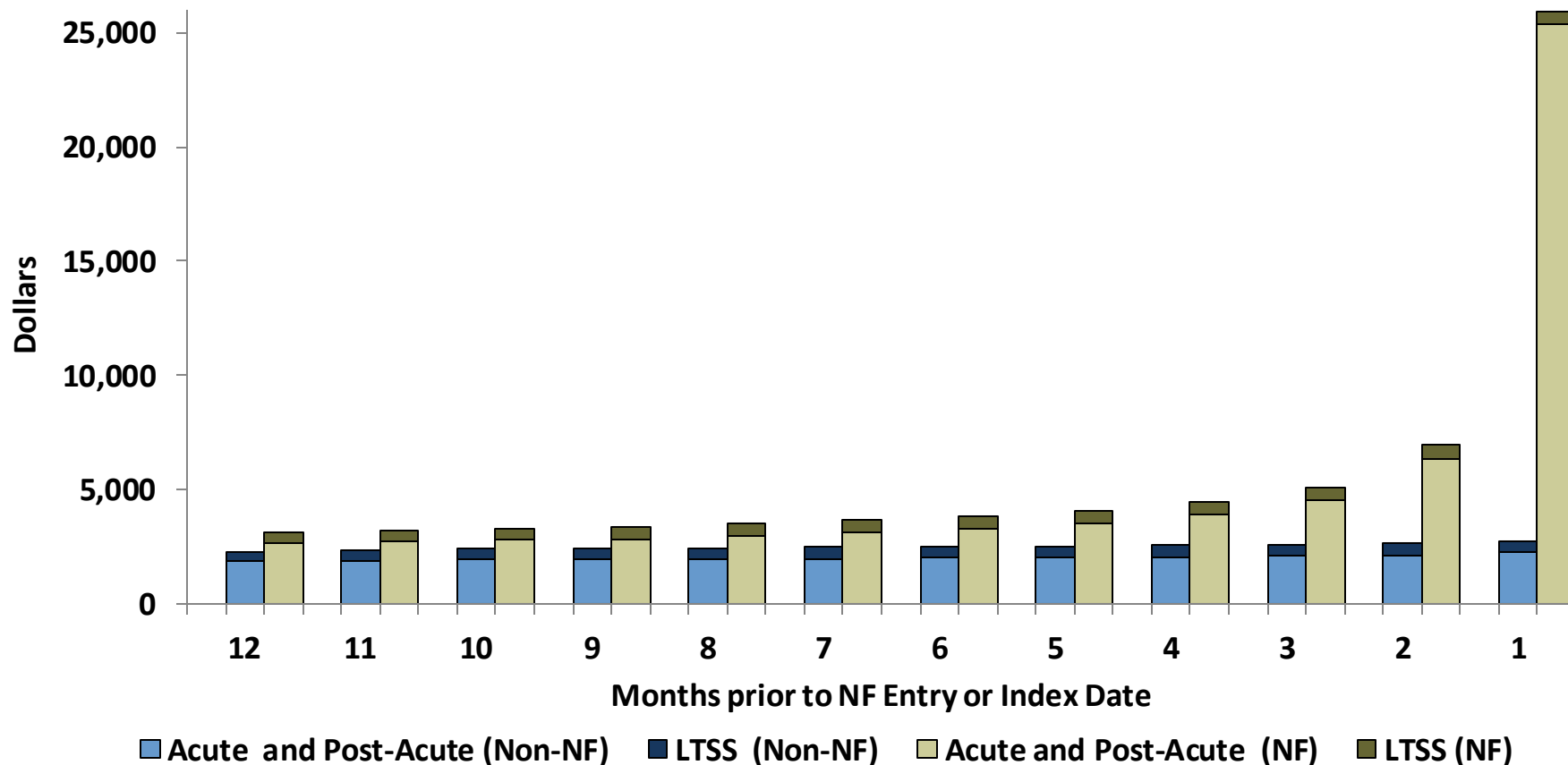
MMEs



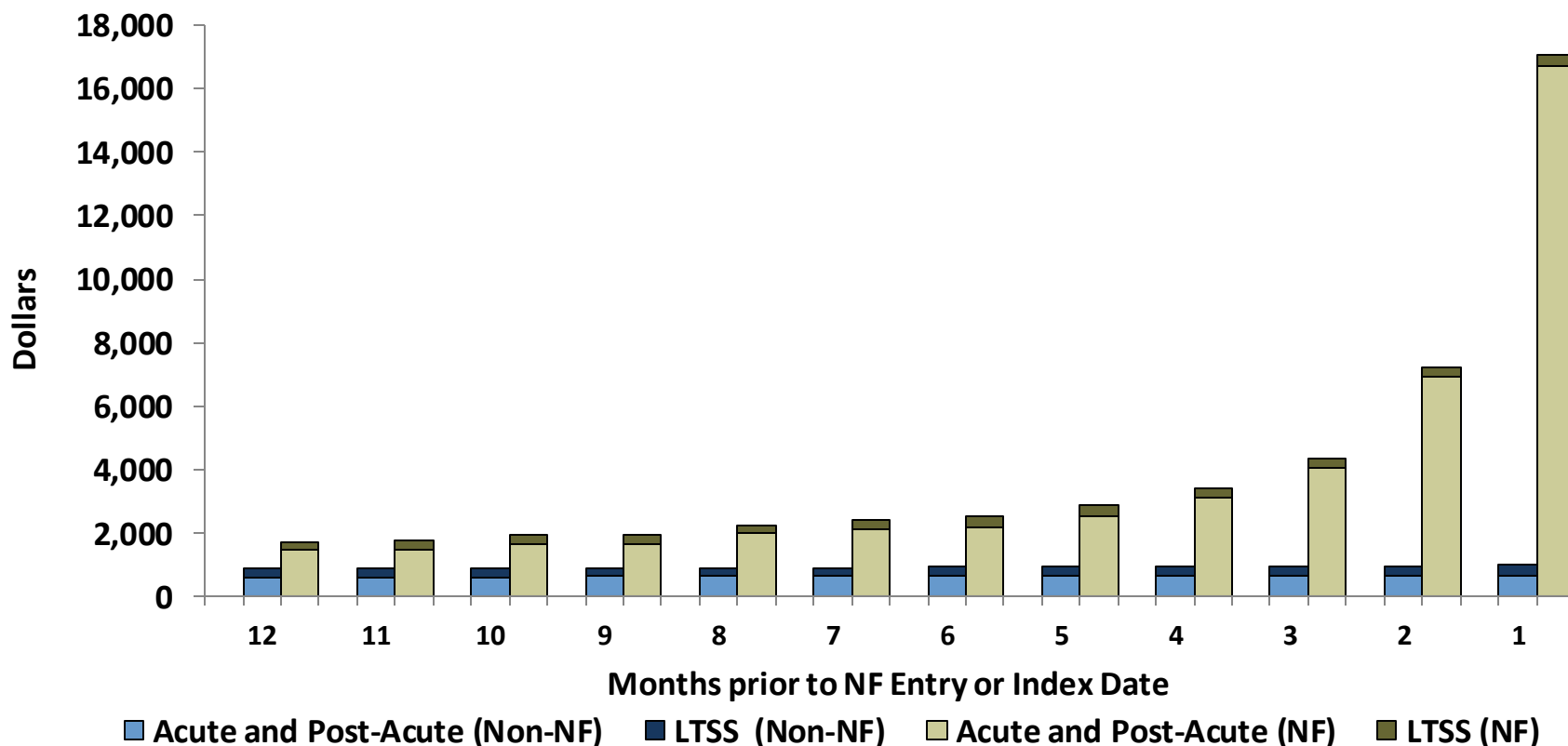
Medi-Cal Only



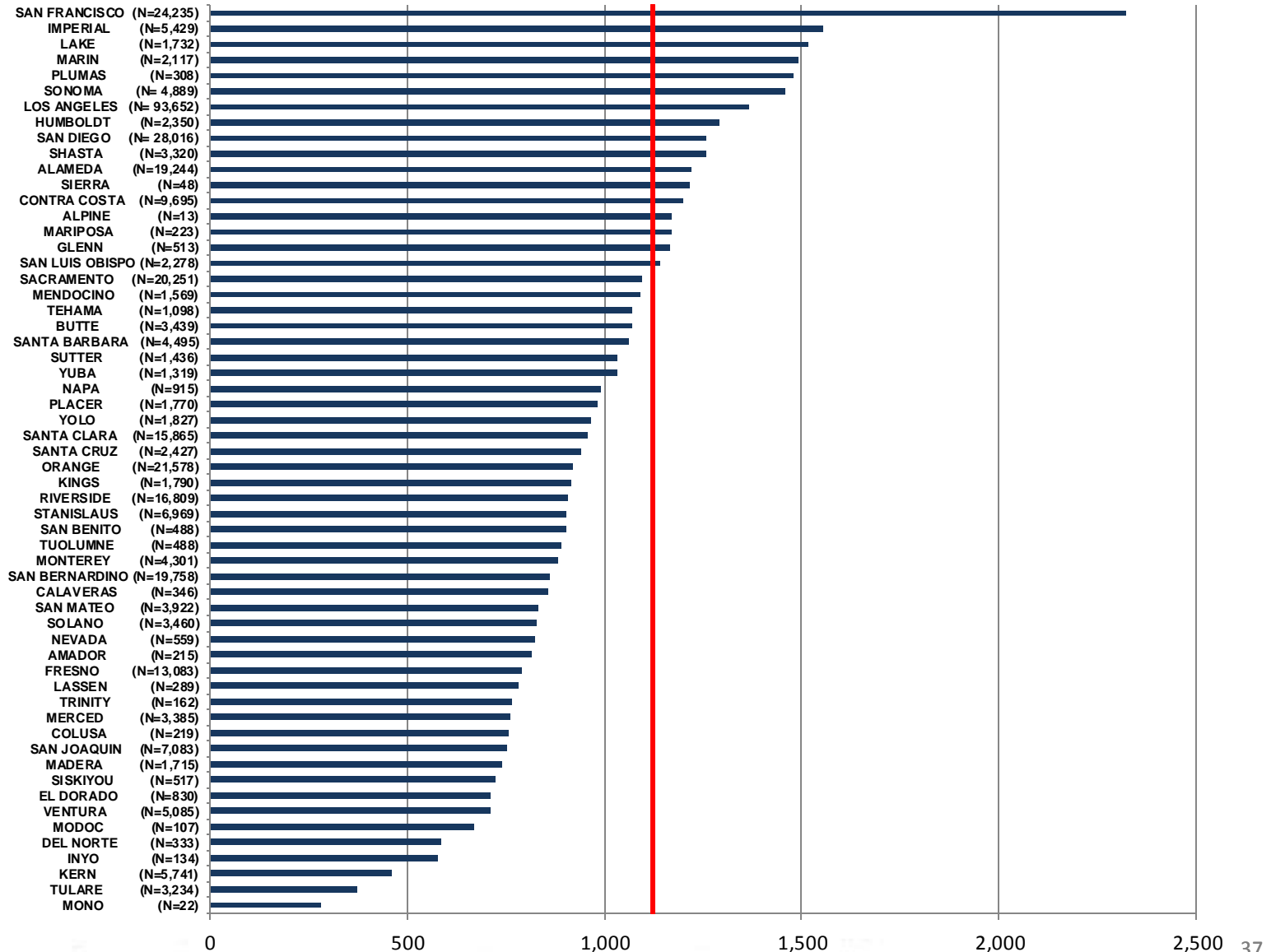
# Average Medi-Cal and Medicare Expenditures for MME Enrollees in 12 Months Prior to NF Admission



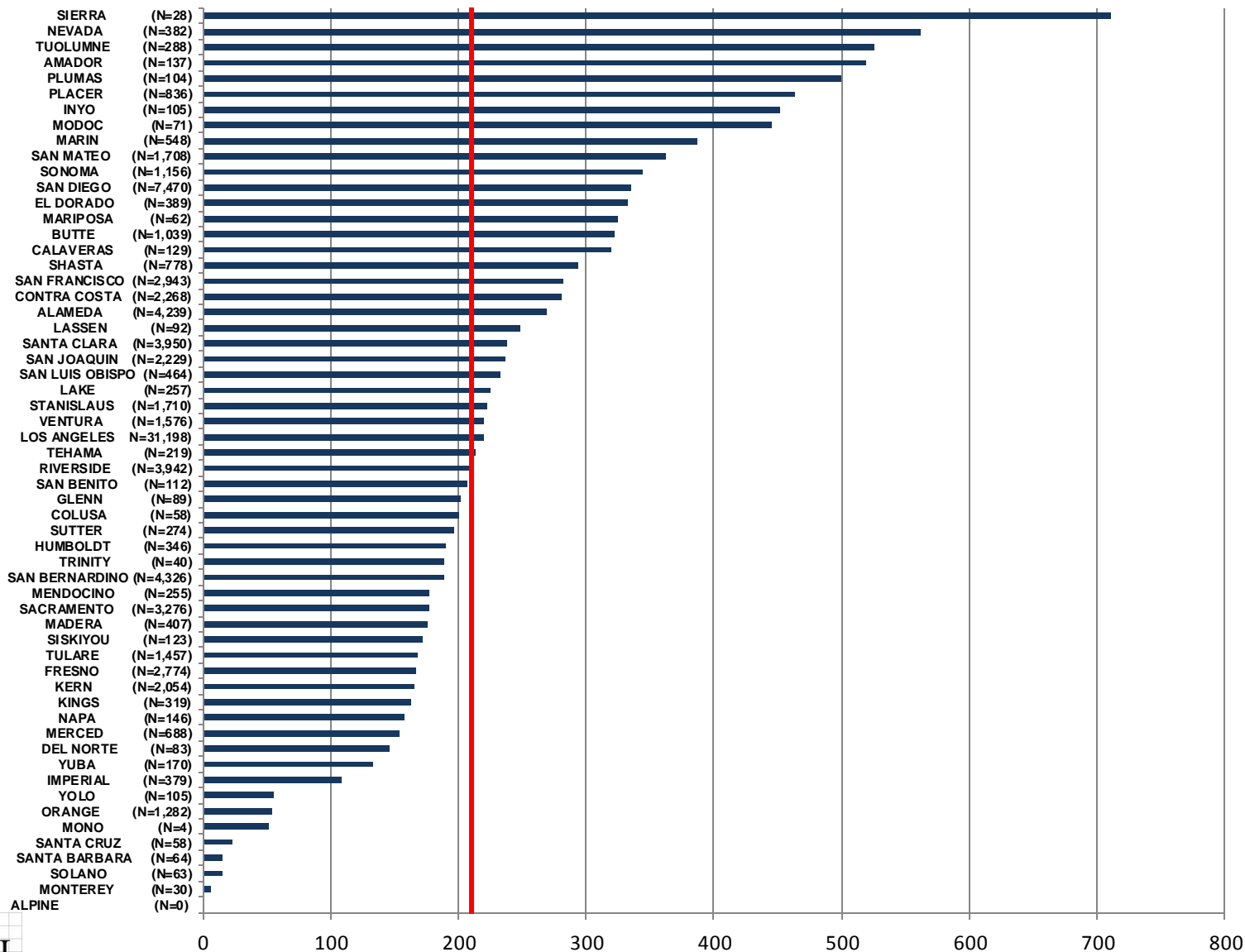
# Average Medi-Cal Expenditures for Medi-Cal Only Enrollees in 12 Months Prior to NF Admission



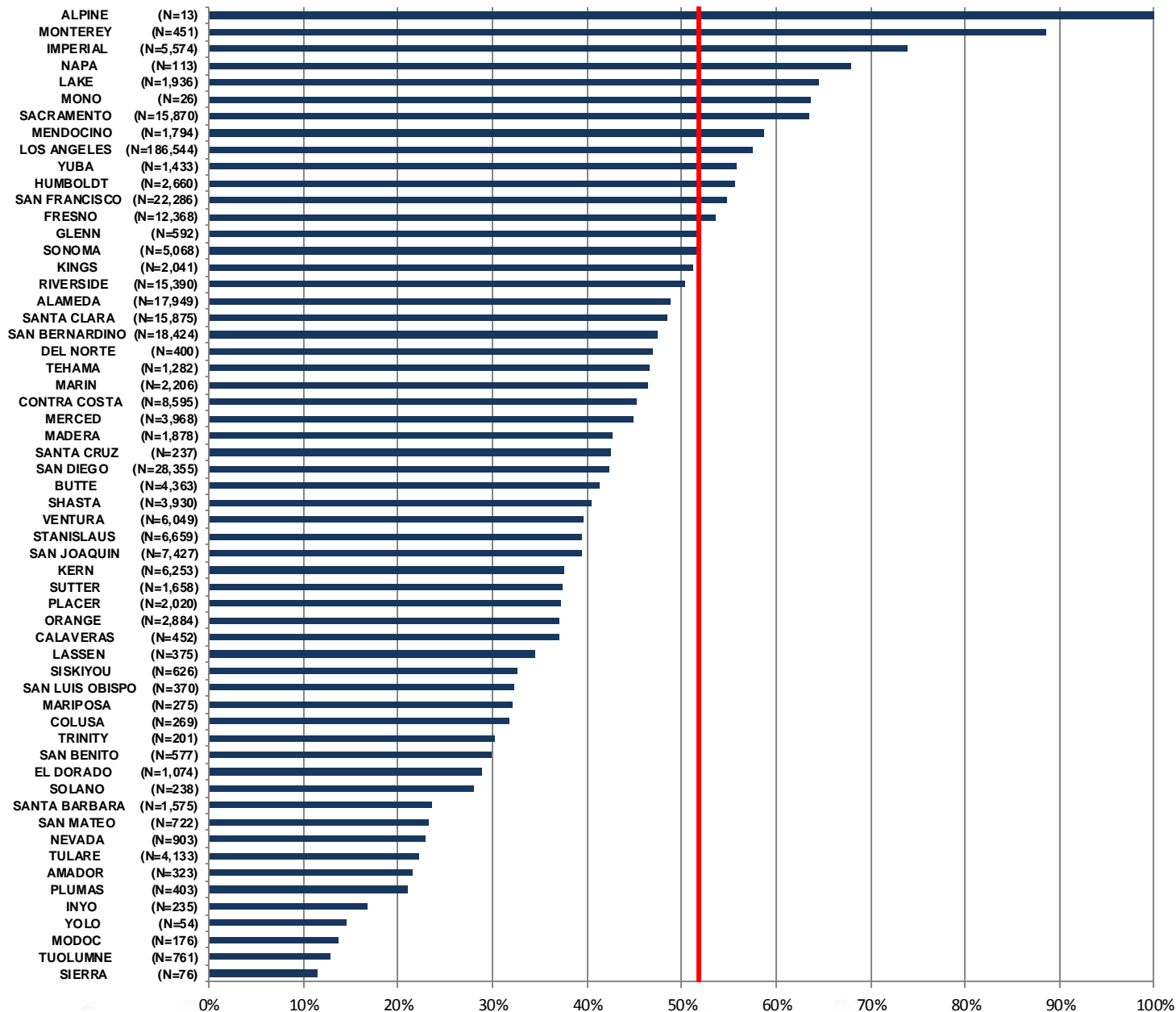
# HCBS Users per 10,000 Medi-Cal Beneficiaries, 2008



# Nursing Facility Users per 10,000 Medi-Cal Beneficiaries, 2008



# Percent of Medi-Cal LTSS Spending on HCBS, 2008



# Key Messages

- Over half of Medi-Cal's LTSS delivered through HCBS yet there are signs of missed opportunities to reduce reliance on nursing facility care
- A large proportion of Medi-Cal beneficiaries did not receive HCBS prior to a nursing facility admission
- There is substantial county variation in the use of HCBS and extended nursing facility care



# Unique Opportunity

- CAMRI has partnered with DHCS to develop methods to combine and analyze data on Medi-Cal's LTSS population
- Opportunity to build upon this work with updated data to enable monitoring of policies over time
- Requires sustained commitment of DHCS to share data and financial resources to support the work

# Acknowledgments

- California Department of Health Care Services
- The SCAN Foundation

Reports Available at  
The SCAN Foundation  
<http://thescanfoundation.org>

CAMRI  
<http://camri.universityofcalifornia.edu>

# Project Team Members

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- Todd Gilmer, Ph.D.
- Taewoon Kang, Ph.D.
- Phillip Chu, M.A.
- Denis Hulett, M.S.
- Samuel Tseng, Ph.D.
- Arpita Chattopadhyay, Ph.D.
- Chi Kao, Ph.D.
- Pat Henderson
- Lena Libatique