Data: Matching, Mapping, and Visualization

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Agenda

Role of Office's IT Audits Unit

Examples of Analysis

- Data Matching
- Geographic Data
- Data Visualization

IT Audits Unit

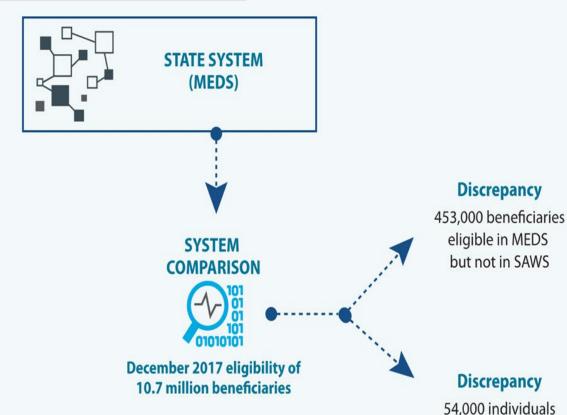
- Consists of 10 individuals
- Works in conjunction with audit teams to conduct audits requested and approved by the legislature or audits mandated by law
- Analyzes large sets of data to address audit objectives

Data Matching

Medi-Cal Eligibility Audit

- Counties typically determine if individuals are eligible for benefits and transmit their determinations to the State
- Comparison of State and county eligibility data revealed more than 453,000 beneficiaries with questionable eligibility
- Identified over \$4 billion in questionable Medi-Cal payments

HEALTH CARE SERVICES



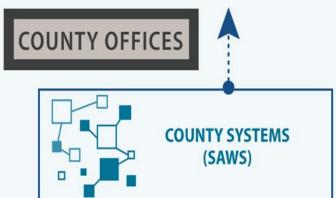


\$3 billion in managed care premiums \$1 billion in fee-for-service claims

Discrepancy

54,000 individuals eligible in SAWS



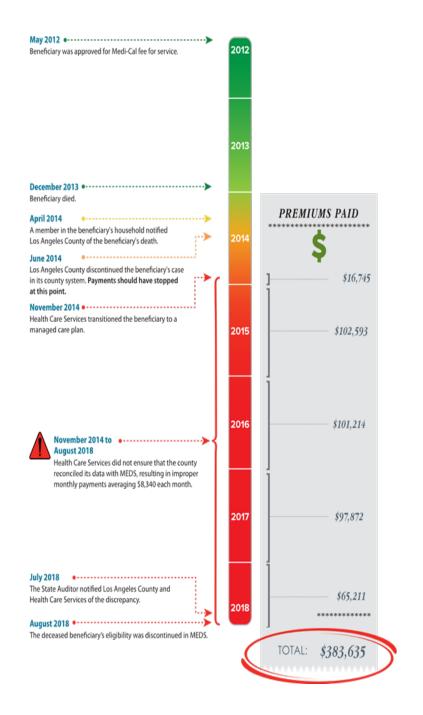


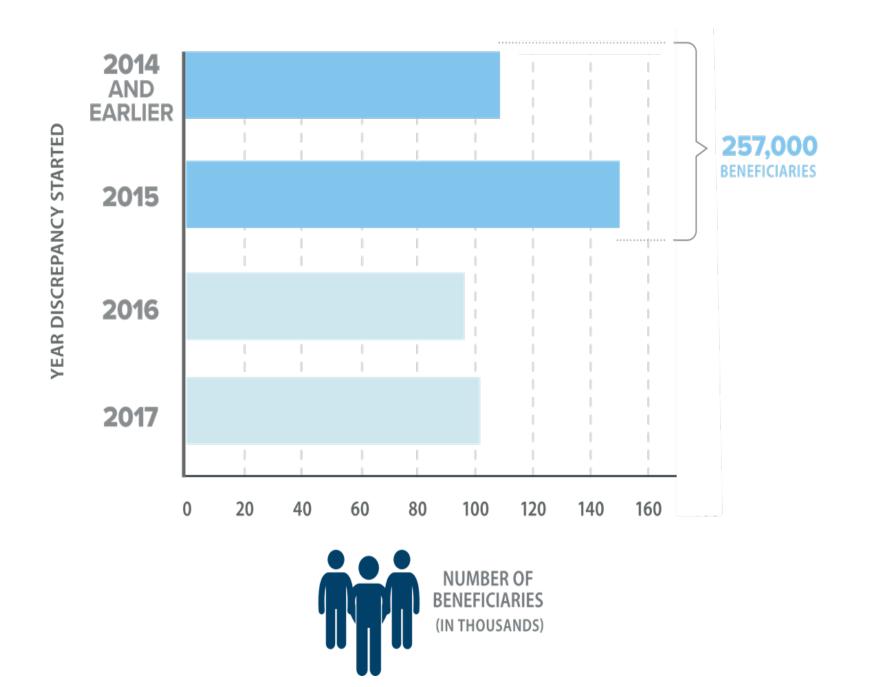
Discrepancy

eligible in MEDS

but not in SAWS

but not in MEDS



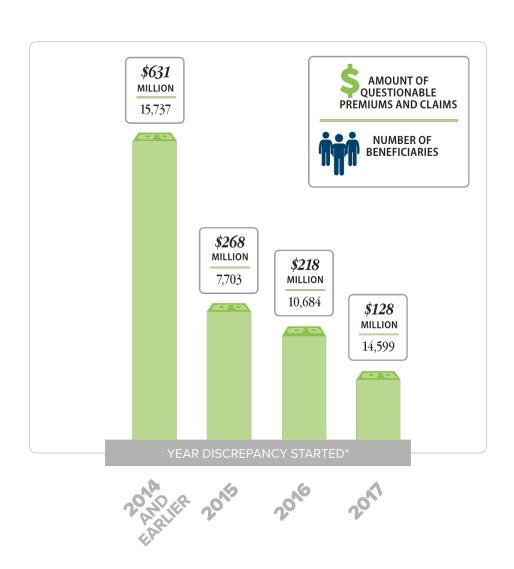


Transition Codes

 170,000 beneficiaries who, as of December 2017, had temporary eligibility past the permissible period.

 Most prevalent temporary eligibility statuses were for individuals terminated from SSI/SSP but who received temporary Medi-Cal benefits until the counties redetermine their eligibility.

Health Care Services Paid More Than \$600 Million for Beneficiaries Who Were Transitioning From SSI/SSP for More Than Three Years



Recommendation

- Provide more effective reports and guidance to counties
- Develop procedures to ensure timely resolution of discrepancies
- Recover inappropriately spent funds

Geographic Data

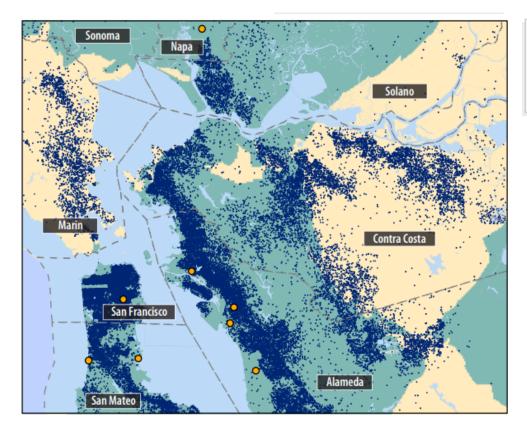
Audit of California's Mattress Recycling Program

- Consumers pay about \$11 when they buy a mattress and may dispose of old mattresses at participating locations
- Determined if consumers had convenient access to drop-off sites (30-minute travel time)

Location Information

- Compared census population data to addresses of permanent collection sites
 - Large portions of the northern and eastern San Francisco Bay Area did not have convenient access to collection sites

The Mattress Council Could Improve the Convenience of the Mattress Program for Residents in the San Francisco Bay Area







Recommendation

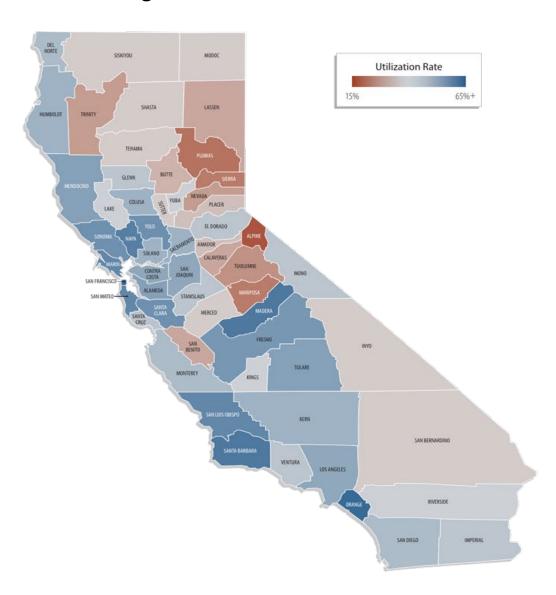
 The State should develop goals for the mattress program related to increasing consumer convenience

Data Visualization

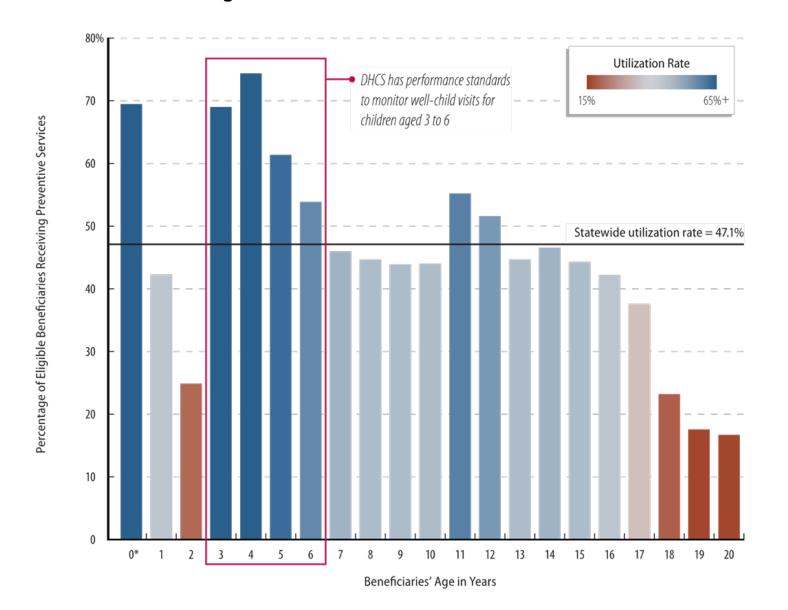
Children in Medi-Cal Audit

- An average of 2.4 million children in Medi-Cal per year did not receive all required preventive services
- Although the State's diverse cultures have dramatically different utilization rates, the State has not done enough to mitigate disparities

Utilization Rates Were Typically Lower in the Eastern Half of the State Fiscal Years 2013-14 Through 2017-18

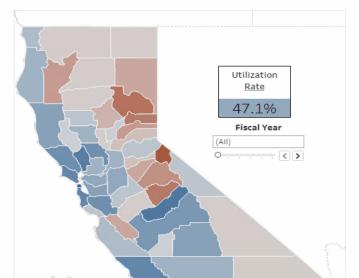


Utilization Rates Were Higher for Ages for Which DHCS Has Established Performance Measures Fiscal Years 2013-14 Through 2017-18



Preventive Care Utilization Rates for Children





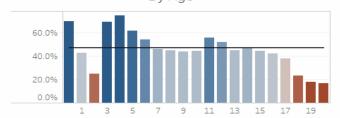
By Age

Utilization Rate

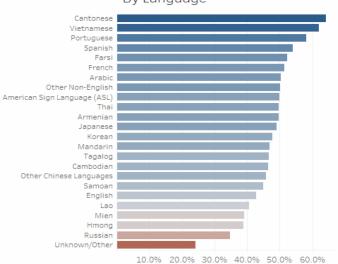
@ OpenStreetMap contributors

≥65%

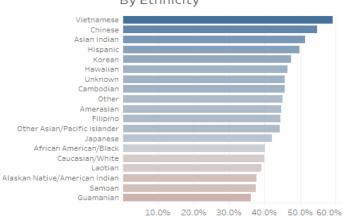
≤15%



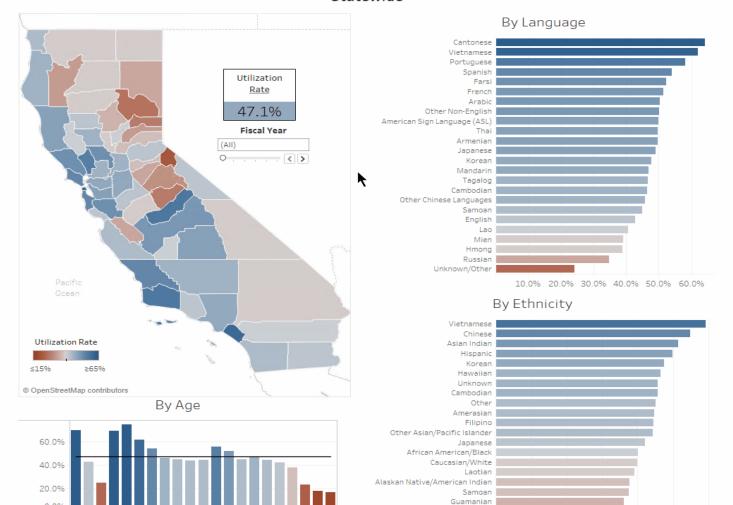
By Language



By Ethnicity



<u>Preventive Care Utilization Rates for Children</u> <u>Statewide</u>



11 13 15 17 19

10.0% 20.0% 30.0% 40.0% 50.0% 60.0%

Recommendation

DHCS should do the following:

- Establish performance measures for all relevant age groups
- Ensure that health plans are effectively mitigating child health disparities relate to cultural and linguistic needs

Links to Audits

- Medi-Cal Eligibility
 http://www.auditor.ca.gov/reports/2018-603/index.html
- Mattress Recycling
 http://www.auditor.ca.gov/reports/2018-107/index.html
- Children in Medi-Cal http://www.auditor.ca.gov/reports/2018-111/index.html