

Description:

This report provides demographic and encounter characteristic distributions across selected encounter types. The dashboard allows users to compare the distribution of patient and encounter attributes for a selected organization against statewide California hospital benchmarks.

The report is intended to support population profiling, utilization review, equity analysis, case-mix evaluation, and operational planning by showing how patient demographics and discharge patterns compare to broader statewide encounter distributions.

Encounter Type Tabs:

- All (IP/ED/AS)
- Inpatient
- Emergency Department
- Ambulatory Surgery

Each tab recalculates all displayed distributions using only encounters from the selected encounter category.

Distributions Included:

- Sex Group Distribution
- Age Group Distribution
- Disposition Group Distribution
- Race Group Distribution
- Language Distribution
- Zip Group Distribution

Sex Group Distribution:

Displays the percentage distribution of encounters by recorded patient sex category.

Age Group Distribution:

Displays the percentage distribution of encounters across predefined age categories.

Disposition Group Distribution:

Displays the percentage distribution of discharge or encounter disposition outcomes, including routine discharge, skilled nursing placement, home health services, hospice care, psychiatric care, and other disposition categories.

Race Group Distribution:

Displays the percentage distribution of encounters by recorded patient race category.

Language Distribution:

Displays the percentage distribution of encounters by recorded preferred language.

Zip Group Distribution:

Displays the percentage distribution of encounters by geographic classification, including California residents, out-of-state patients, homeless patients, foreign residents, and unknown location categories.

Calculation Methodology:

Each chart displays the percentage of qualifying encounters assigned to each category relative to the total number of encounters included for the selected encounter type.

Distribution Formula:

$(\text{Category Encounter Count} / \text{Total Qualifying Encounters}) \times 100$

Benchmark Comparison:

- **Blue Bars:** Selected organization or facility distribution
- **Green Bars:** All California Hospitals benchmark distribution

The statewide benchmark represents the aggregated distribution across all qualifying California hospital encounters for the selected encounter type.

Inclusions/Exclusions:

Initial data cleanup:

- Remove duplicate encounter records.
- Remove invalid or incomplete encounter records.
- Remove encounters excluded by selected encounter type filters.
- Standardize demographic category mappings.
- Normalize disposition and geographic classifications.

Inclusions:

- Qualifying inpatient encounters.
- Qualifying emergency department encounters.
- Qualifying ambulatory surgery encounters.
- Encounters with valid demographic or disposition information for the selected distribution category.
- Encounters meeting the selected tab criteria.

Exclusions:

- Duplicate encounters.
- Records with invalid encounter identifiers.
- Encounter types outside the selected tab.
- Records excluded by organizational filters.
- Records with missing or unusable values for specific distribution categories where appropriate.

Data Sources Included:

Data Source	Encounter Data Included	Benchmark Comparison Included
Statewide Inpatient Data	✓	✓
Emergency Department Encounter Data	✓	✓
Ambulatory Surgery Encounter Data	✓	✓
Participating Hospital Encounter Data	✓	✓

Interpretation Notes:

- All displayed values are percentages.
- Percentages may not total exactly 100% due to rounding.
- Distributions may vary significantly by encounter type.
- Differences between facility and statewide distributions may reflect service mix, geographic location, referral patterns, patient demographics, or specialty care focus.
- Unknown, invalid, or missing demographic values may appear as separate categories where applicable.
- Zip group categories are based on available patient residence information.
- Language distributions reflect recorded preferred language and may not represent primary spoken language in all cases.
- Disposition categories are based on discharge coding submitted with encounter records.
- Race and ethnicity categories reflect submitted source data and may vary by reporting practices across organizations.
- This report is intended for population-level and operational analysis and should not be used to infer causation or quality performance independently.