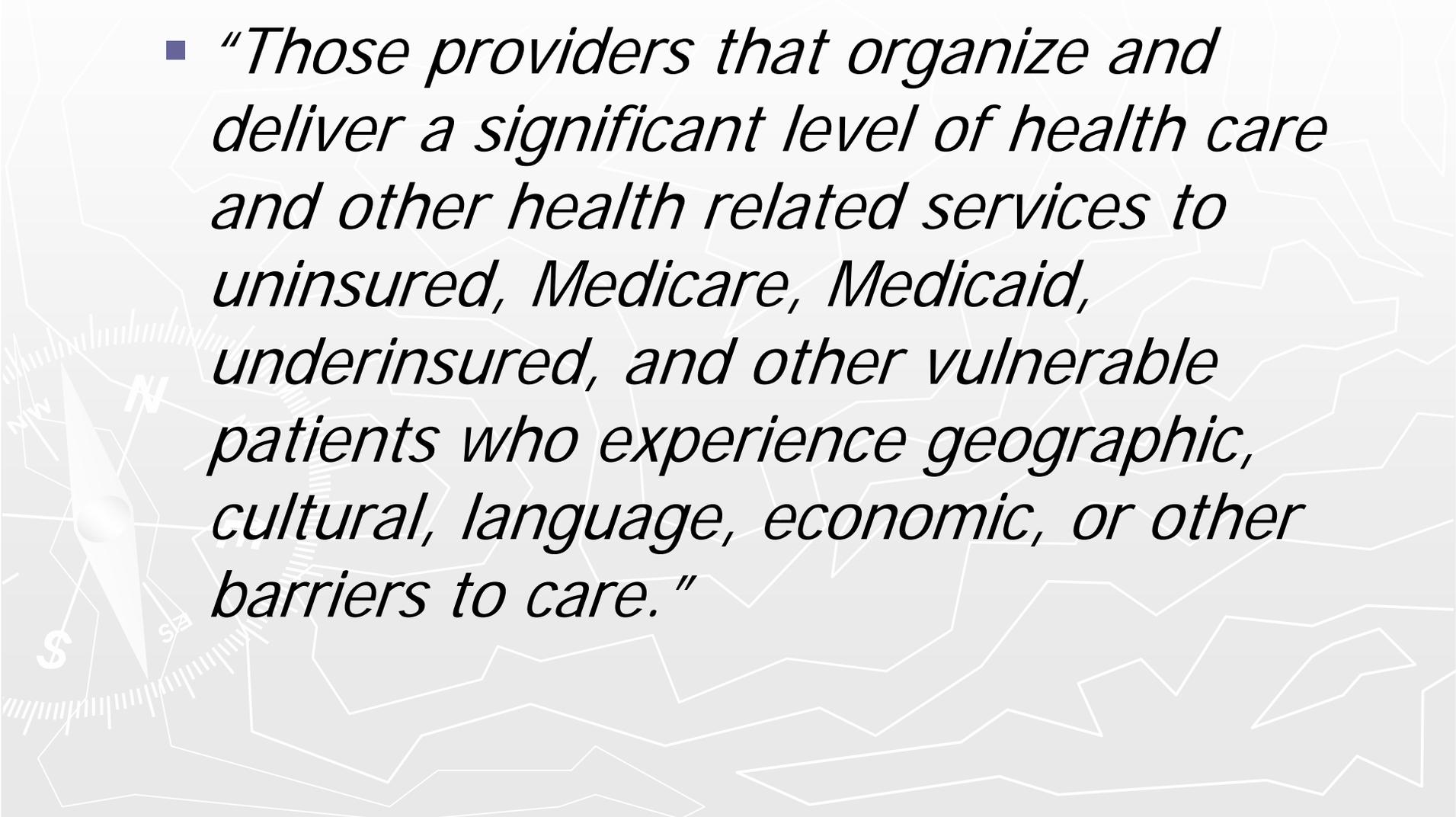


Utah's Safety Net Summit— January-September, 2006 Data Review

Presented by Kevin McCulley
Association for Utah Community Health

Under contract with the Utah Department of Health,
Health Systems Improvement Division

November 28, 2006 (Clarifying edits included for
distribution December 4, 2006)



► Utah's Health Care Safety Net

- *“Those providers that organize and deliver a significant level of health care and other health related services to uninsured, Medicare, Medicaid, underinsured, and other vulnerable patients who experience geographic, cultural, language, economic, or other barriers to care.”*

Safety Net Services

▶ Types

■ Core

- ▶ Legal mandate or explicit mission to provide care regardless of ability to pay (sliding-fee scale)
- ▶ Substantial share of patient mix are uninsured, Medicaid, and other vulnerable patients

■ Other

- ▶ Provide care to underserved on a voluntary basis, but levels of care to uninsured may change based on financial pressures and institutional priorities

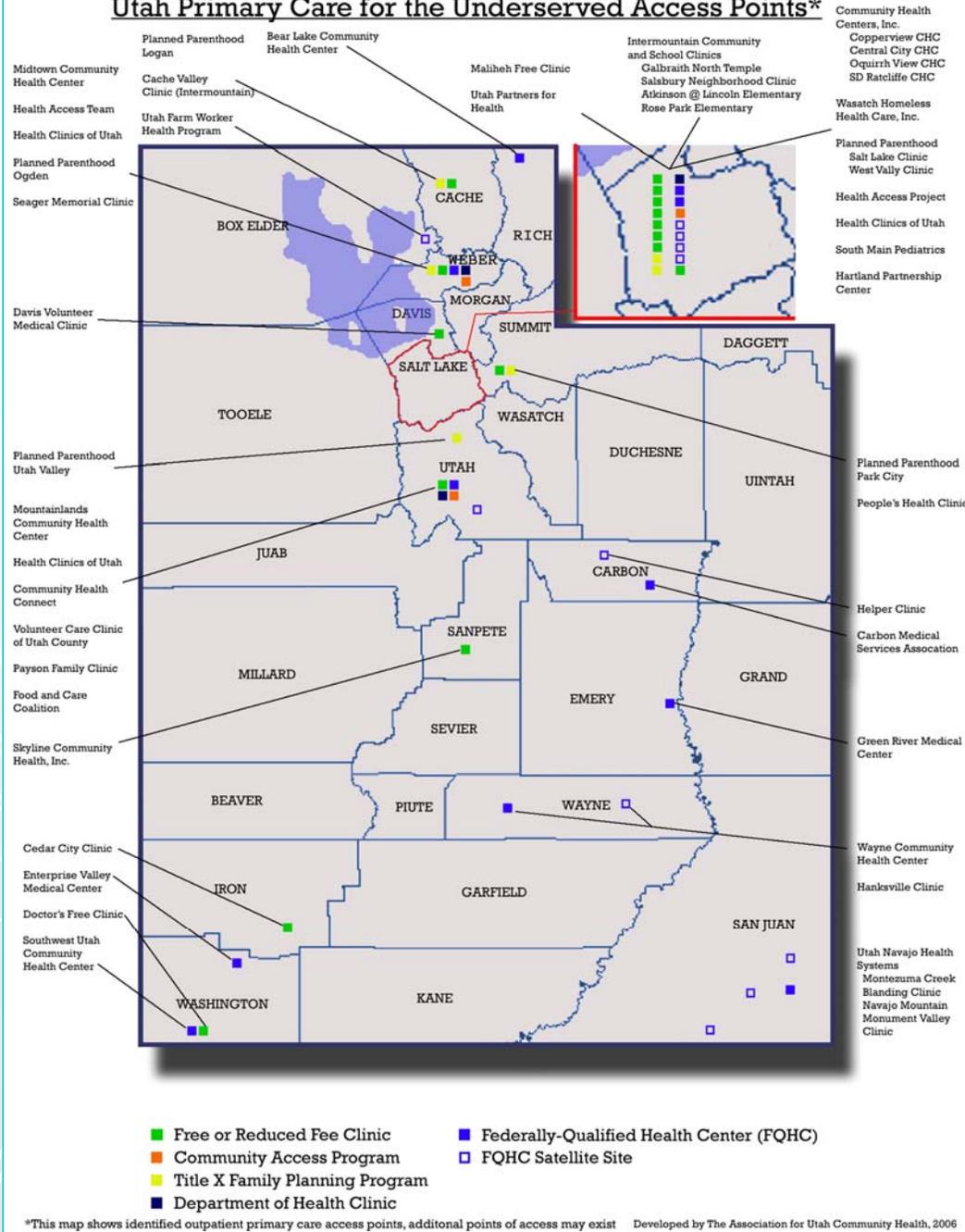
http://newton.nap.edu/html/Americas_health/reportbrief.pdf

Safety Net Services

- ▶ Possible scope of services offered by Core Providers
 - Primary health care
 - Mental health/substance abuse care
 - Dental care
 - Diagnostic lab and X-ray
 - Prenatal, perinatal, and well-child services
 - Disease and blood screening
 - Child and adult immunizations
 - Eye and ear screening
 - Family planning services
 - Pharmaceutical services (PAP, 340B drug discount programs)
 - Case management, outreach, and health education
 - Eligibility/enrollment services
 - Transportation and interpretation
 - Referral process for specialty and hospital care

<http://bphc.hrsa.gov/chc/programexpectations.htm>

Utah Primary Care for the Underserved Access Points*



Identified Health Care Safety Net Programs/Services

- Health Center Programs
 - Community Health Centers
 - Homeless Health Care
 - Migrant Health Care
- Utah Department of Health Clinics
- Free/Volunteer Provider Clinics
- Intermountain Neighborhood and School Clinics
- Volunteer Provider Networks
 - Health Access Programs
- Low-Cost/Cash only Clinics
- Local Health Department Clinics
- Family Planning Agencies
- Emergency Departments
- Some Private Providers

2006 Overall Assessment

- ▶ Record of each encounter (visit) with professional medical staff at reporting agency where independent medical judgment is rendered
- ▶ Visits were included for medical, dental, mental health, and/or social services visits, if visit met above criteria
- ▶ Only one visit was recorded for each individual per day, but records may reflect multiple visits by the same patient during the time period
- ▶ Total visits recorded to date – 157,100 (plus about 35,000 pending)
About 90% of recorded visits were from community, migrant, and homeless health center programs, Health Clinics of Utah, and Intermountain School and Neighborhood Clinics
- ▶ Data received by at least one of each type of agency
- ▶ Data received as electronic query, Excel sheet, or hand written log
- ▶ When data was submitted by an agency in aggregate, rather than by detailed visit records, it is included in final encounter count, but did not allow for detailed analysis

2006 Overall Assessment

► Project researchers would like to recognize the contribution of all health care safety net entities that were able to participate in this project, including:

- 9 community, 1 migrant, and 1 homeless health center
- Health Clinics of Utah and Family Dental Plan
- Intermountain Neighborhood and School Clinics
- Health access/volunteer provider network programs
- 9 free or nominal fee medical, perinatal, and dental service programs

November 2006 Data Update

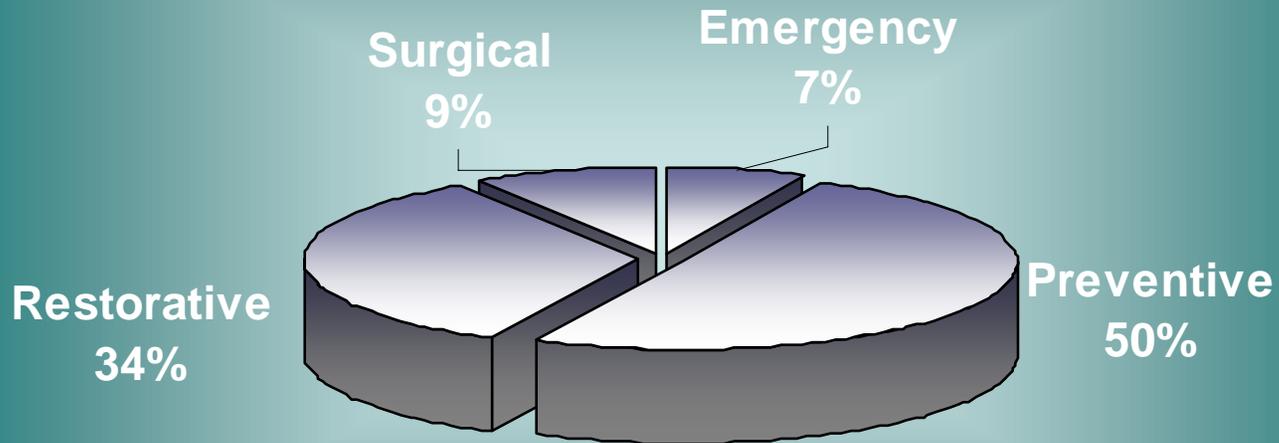
1. Overall data set demographics continue to look similar
 - included medical, dental, mental health, social services visits
 - 38% of visits to patients age 27-49
 - 65% Female
 - 61% Hispanic/Latino origin
 - 67% living at 100% or less of Federal Poverty Level
 - 71% self-pay, charity care, or uninsured
2. Dental data collected through September, 2006
 - Total visits recorded = 14,715, of which 6,133 were coded for dental-specific visit types
3. Analysis of self-pay patient demographics
 - Identifying possible disparities
4. Data element completion rates

Dental Assessment

- ▶ The dental assessment is composed of
 - Extracted data from existing Jan.-Sep. dataset where type of visit was listed as dental
 - Third quarter data submitted by Family Dental Plan, with Visit Type modified to provide detailed visit reasons
- ▶ Dental Type Visits (n=6,133)
 - Restorative
 - Emergency
 - Surgical
 - Preventive
- ▶ Graph percentages do not include "NAs", therefore percentages are based on sum of usable responses

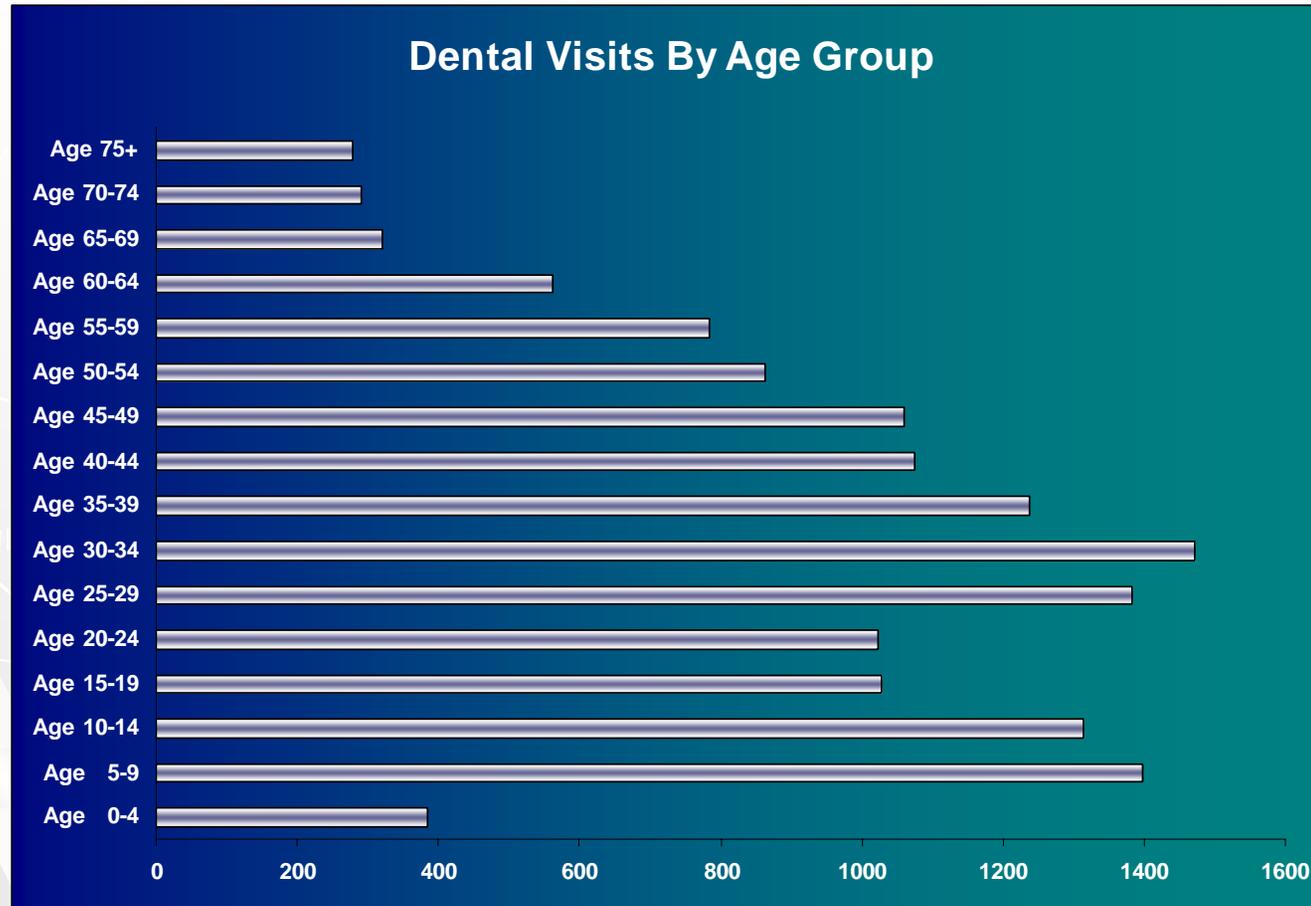
Dental Assessment

Dental Visits by Type (n=6,133)



Visit Counts Preventive – 3,090 Restorative – 2,091 Surgical – 540 Emergency – 412

Dental Assessment

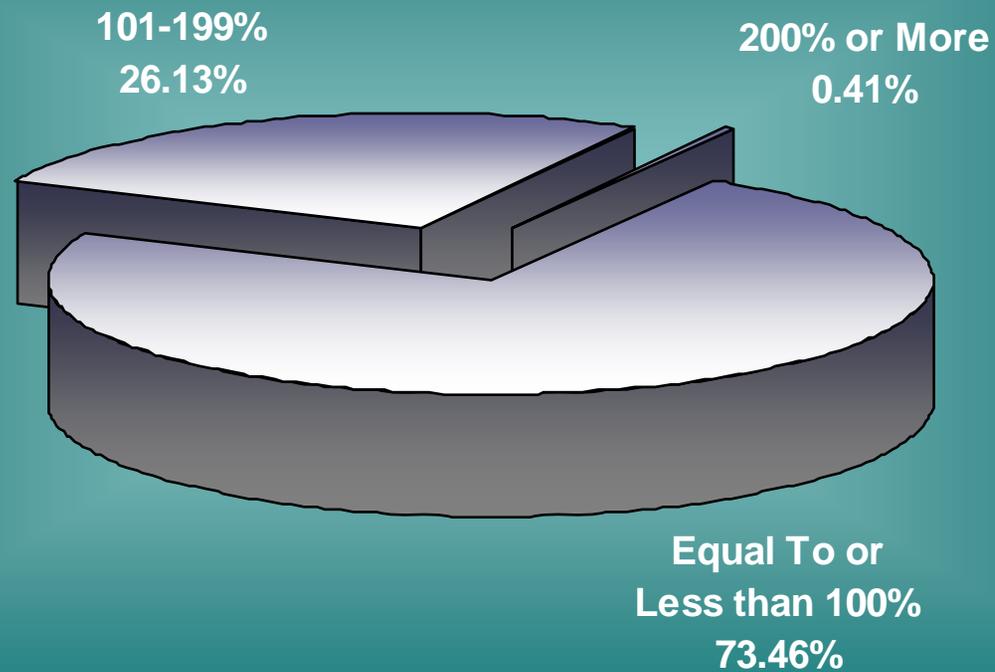


Visit Counts

75+	278
70-74	292
65-69	321
60-64	562
55-59	785
50-54	862
45-49	1,061
40-44	1,074
35-39	1,238
30-34	1,473
25-29	1,382
20-24	1,022
15-19	1,027
10-14	1,313
5-9	1,397
0-4	385
NA	243
Total	14,715

Dental Assessment

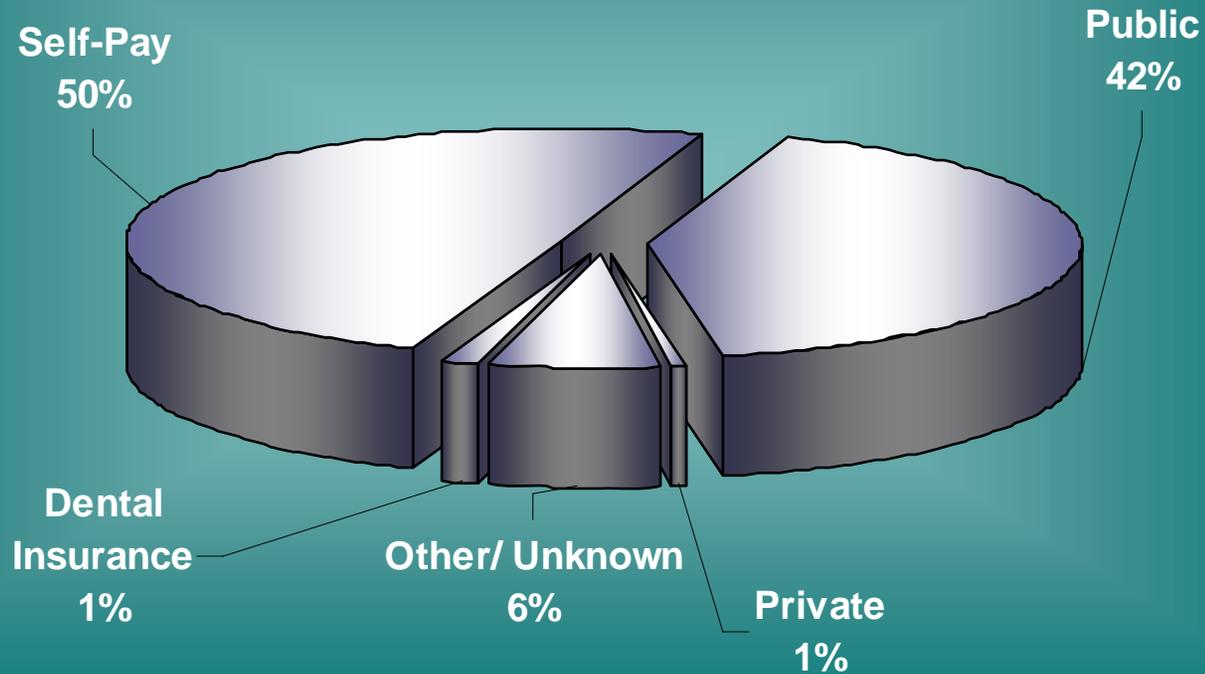
Dental Visits By Poverty Level



Visit Counts <=100% -- 5,351 101-199% -- 1,903 200%+ -- 30 NA -- 7,431

Dental Assessment

Visits by Insurance Status



Visit Counts Self-Pay – 7,335 Public – 6,145 Dental Insurance – 194 Private – 88 Other/Unknown - 953

Self Pay Assessment

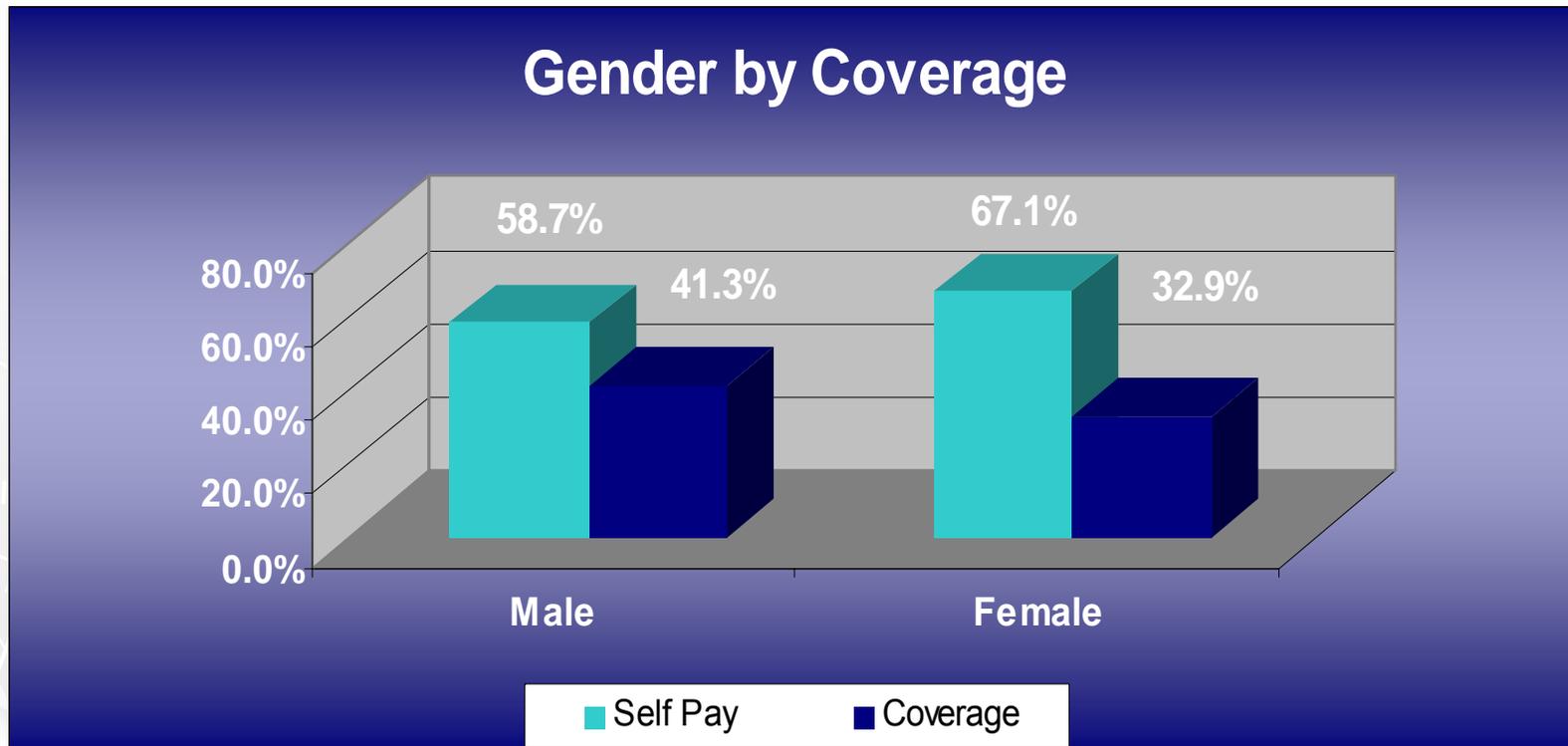
A review of visit records of all types
from Jan.-Mar., 2006



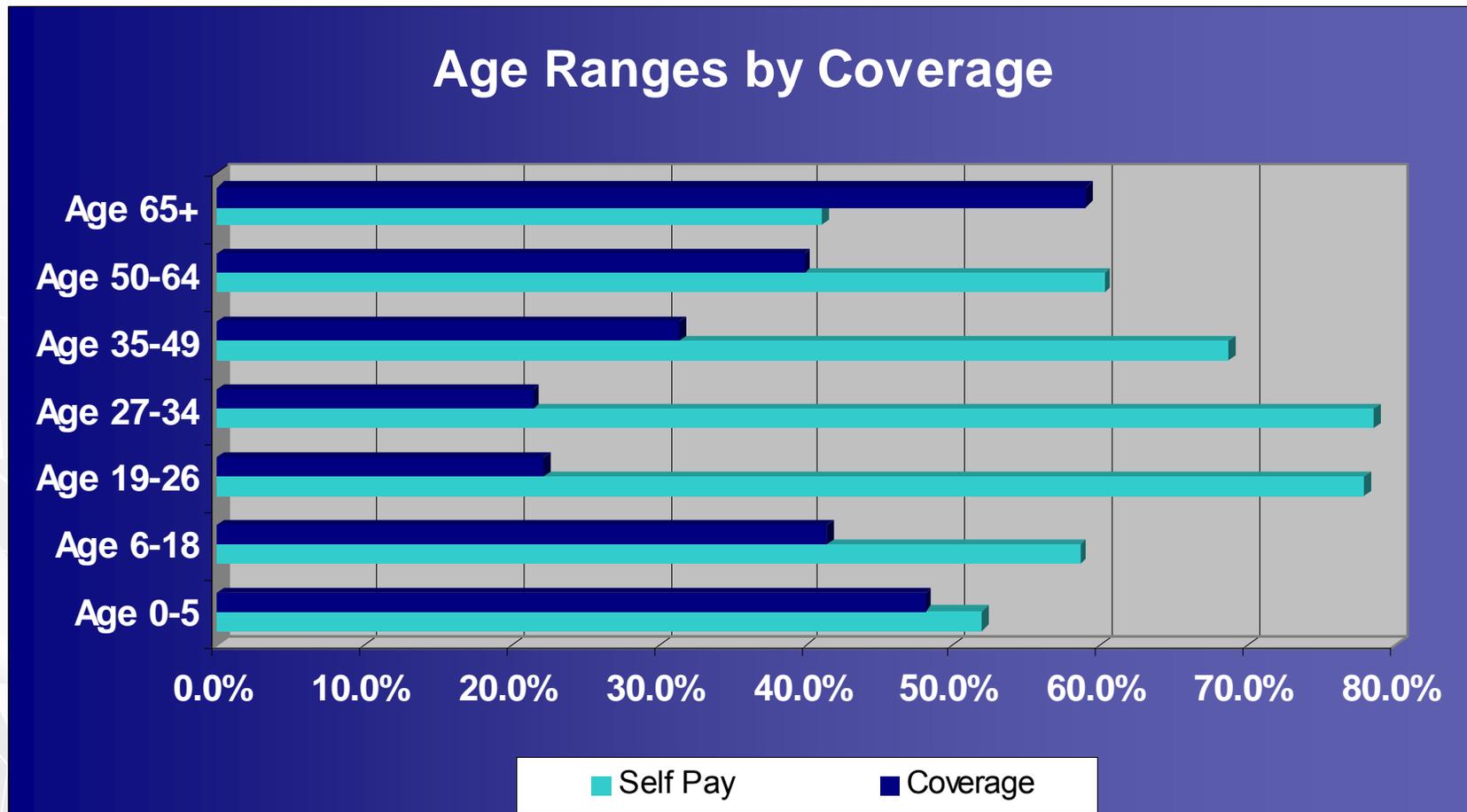
Self-Pay Assessment

- ▶ Analysis of visit records of all types
 - Types include Medical, Dental, Mental Health, Social Services
 - Self-pay – Visit recorded as self-pay, uninsured, or charity care
 - Coverage – Visit recorded as public or private insurance, or other payment types such as special contracts
- ▶ Analysis based on visits from January to March, 2006; process will be replicated when final data set is completed.
- ▶ Unknown or blank entries not included in Gender, Age, and Poverty Level analysis for clarity
- ▶ Because analysis is based on visits, rather than unique individuals, results may be skewed toward population segments with higher visit rates.
- ▶ See appendix at end of presentation for data tables

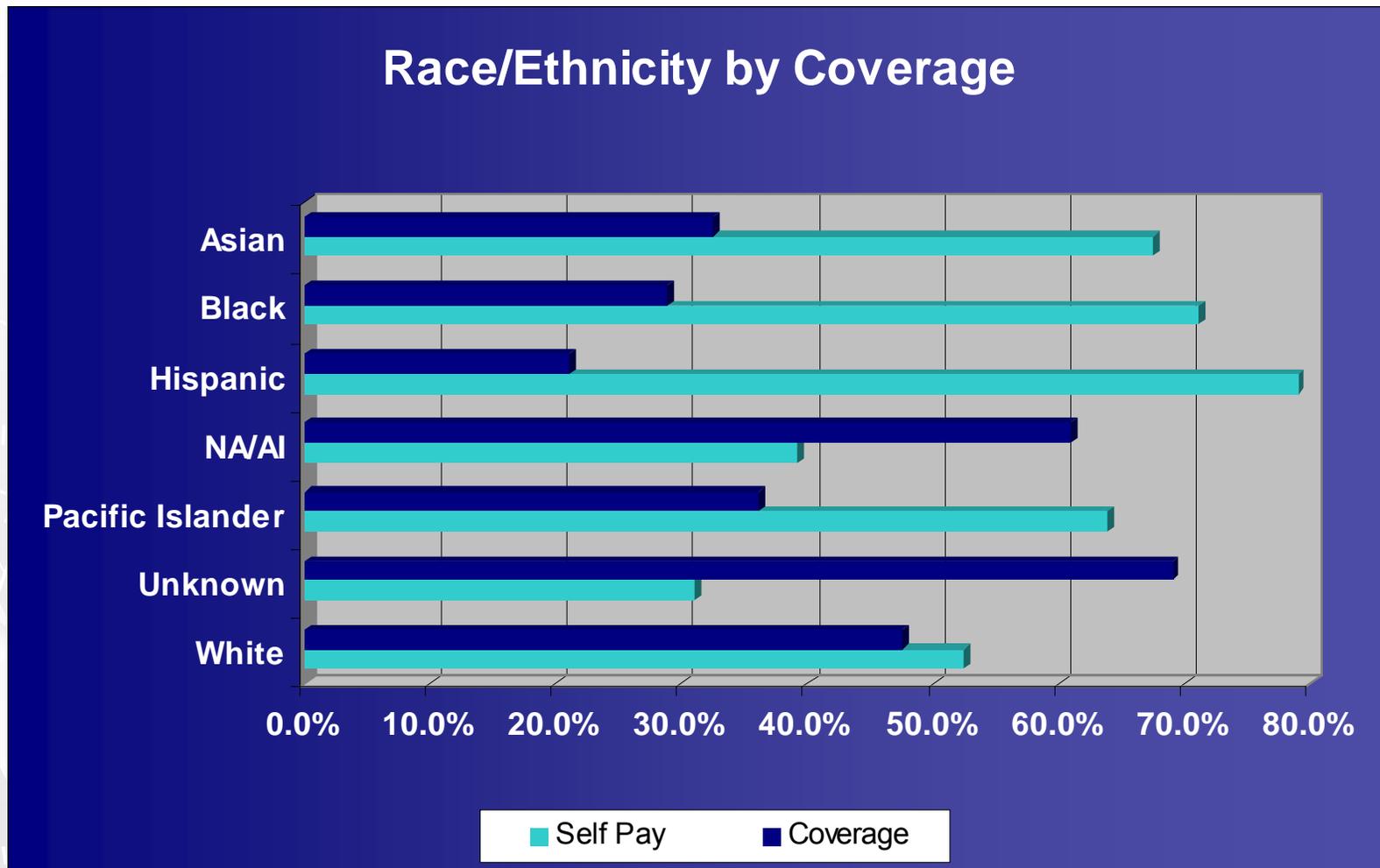
Self-Pay Assessment



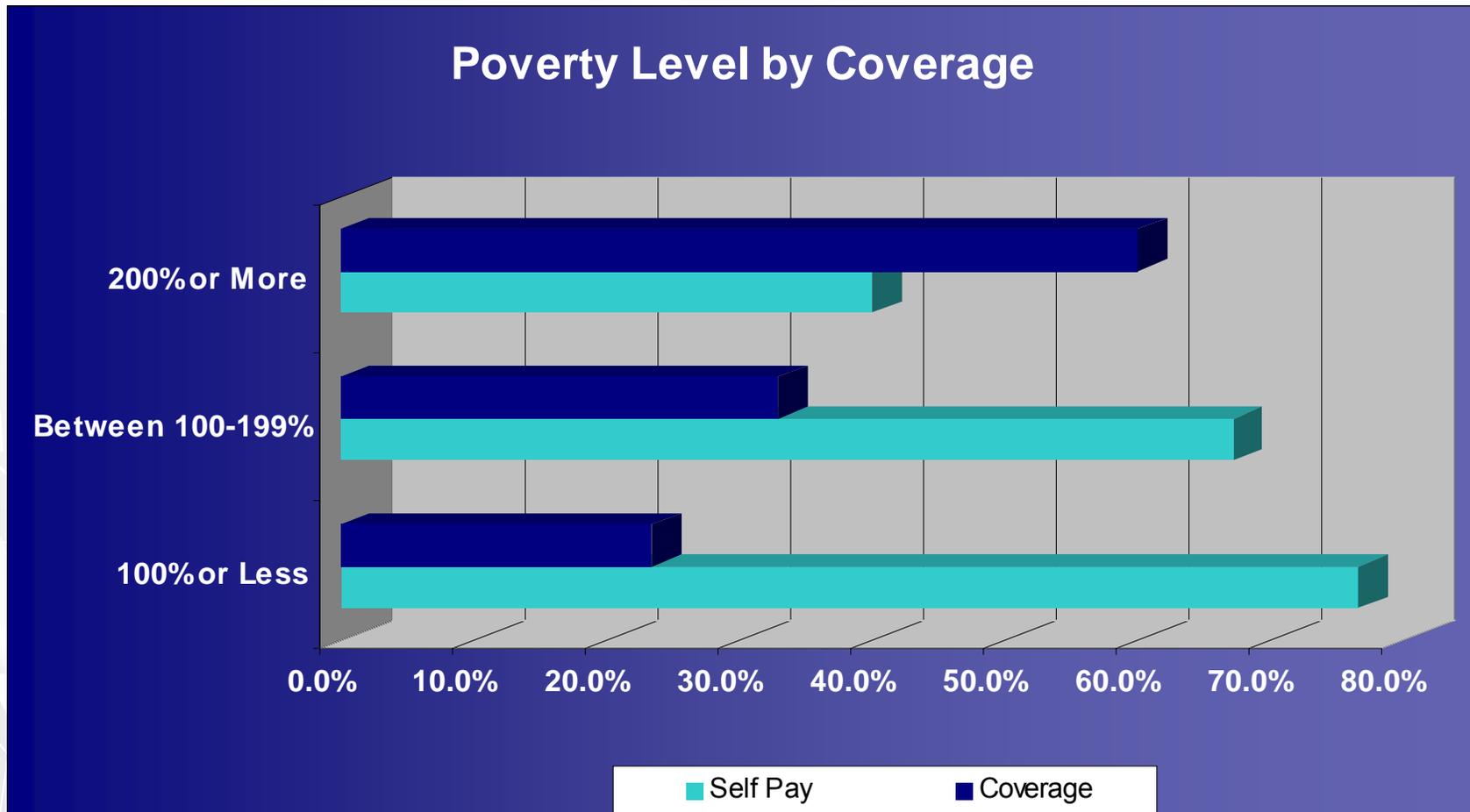
Self-Pay Assessment



Self-Pay Assessment

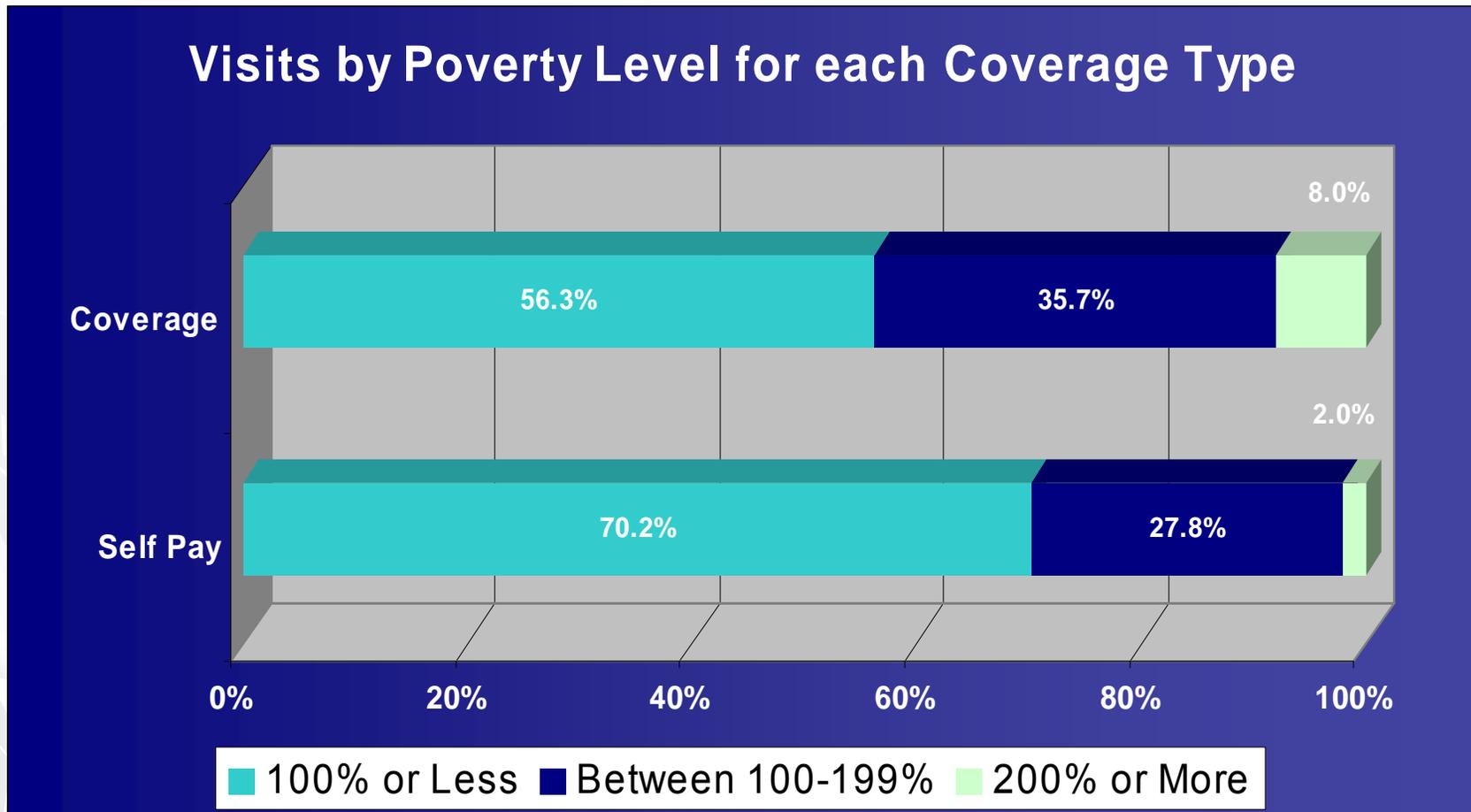


Self-Pay Assessment



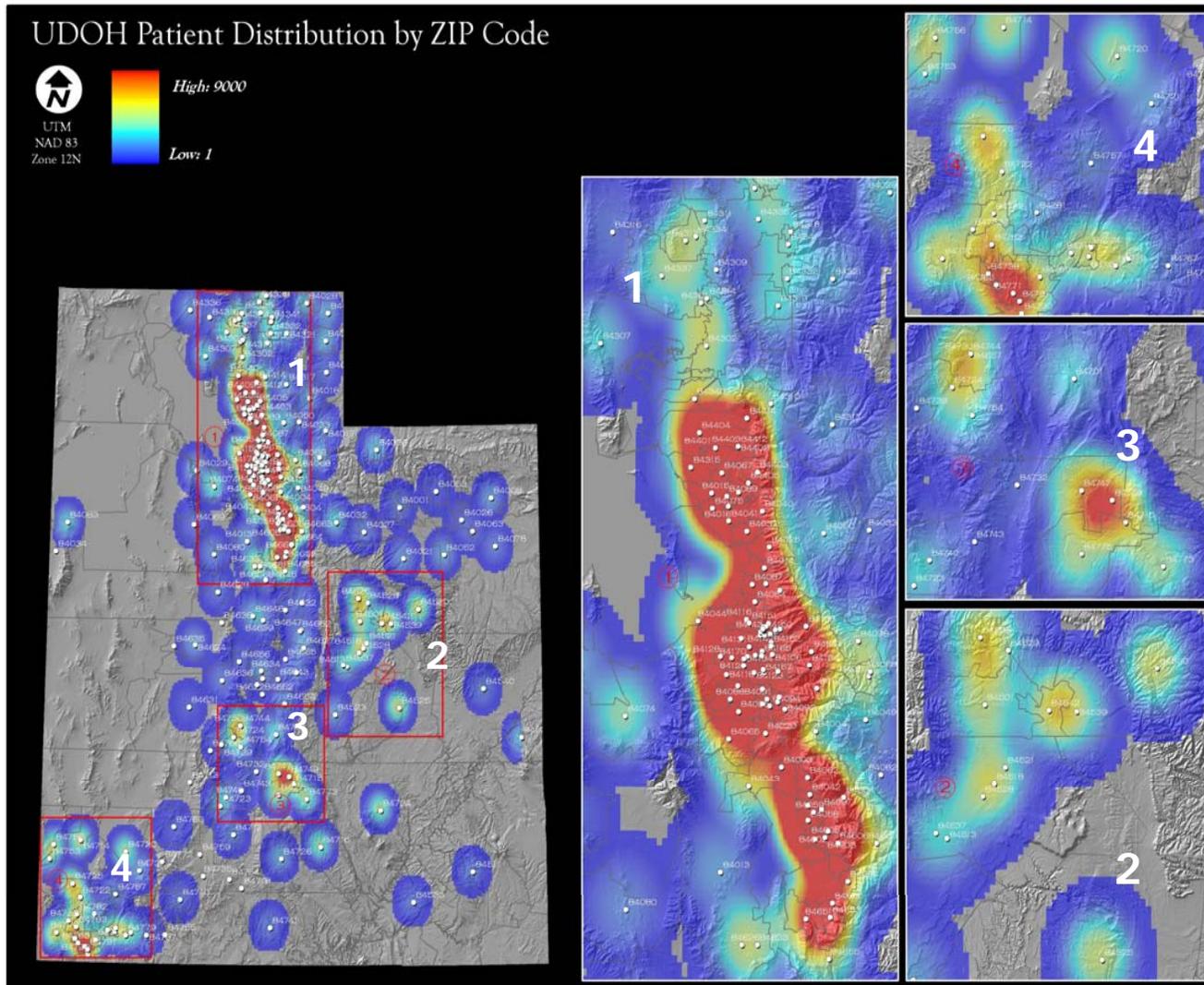
2005 Federal Poverty Level - \$9,570/individual, \$19,350/family of four

Self-Pay Assessment



2005 Federal Poverty Level - \$9,570/individual, \$19,350/family of four

Zip Code Visit Distribution Heat Map



Using the visit Zip Codes collected from January to June, this map was created to visualize patient origin for reporting agencies.

Several identified safety net agencies did not submit data, therefore map is incomplete, but it gives some indication of areas in the state with high levels of safety net visit activity.

Mapping produced by U of U Department of Geography DIGIT Lab

Data Element Completion Rates

▶ Patient Initials (or unique ID)	95.7%
▶ Type of Visit (Medical, Dental, Mental)	91.5%
▶ Acuity Level or Code (Acute/Chronic)	88.0%
▶ Gender	98.5%
▶ Age (or DOB)	98.3%
▶ Race/Ethnicity	92.4%
▶ Primary Language	28.8%
▶ Poverty Level (up to 100% FPL, 101-199%, 200%+)	76.1%
▪ Likely due to no need for income review for insured patient visits	
▶ Coverage/Payor (public, private, self-pay)	99.6%
▶ Zip Code	97.7%
▶ Time or EM Code	95.0%

Based on Jan.-Jun. data submission; using 124,795 visit records. Data entry considered usable if response is in format requested or response is clarified with reporting agency.

Questions?

- ▶ Contact Marc E. Babitz, MD
 - UDOH, Division Director, Health Systems Improvement
 - 801-538-6659; mbabitz@utah.gov
- ▶ Contact Steve Ipsen, MSN
 - UDOH, Health Clinics of Utah
 - sipsen@utah.gov
- ▶ Contact Kevin McCulley
 - Senior Data Analyst/Emergency Prep. Coordinator,
Association for Utah Community Health,
801-716-4612; comdev@auch.org

Self-Pay Assessment Data Tables- Appendix

	Self-Pay	% of Payor Status	Coverage	% of Payor Status	Total	% of Total
Male	13254	58.74%	9311	41.26%	22565	36.05%
Female	26868	67.12%	13161	32.88%	40029	63.95%
	40122	64.10%	22472	35.90%	62594	
Age 0-5	5850	51.93%	5415	48.07%	11265	17.99%
Age 6-18	4154	58.55%	2941	41.45%	7095	11.33%
Age 19-26	6168	77.80%	1760	22.20%	7928	12.66%
Age 27-34	7577	78.55%	2069	21.45%	9646	15.41%
Age 35-49	9087	68.65%	4149	31.35%	13236	21.14%
Age 50-64	5544	60.18%	3669	39.82%	9213	14.72%
Age 65+	1733	41.09%	2485	58.91%	4218	6.74%
	40113	64.08%	22488	35.92%	62601	

Gender – 119 Unknown; Age – 112 Unknown;

Self-Pay Assessment Data Tables- Appendix

	Self-Pay	% of Payor Status	Coverage	% of Payor Status	Total	% of Total
White	10746	52.44%	9747	47.56%	20493	32.68%
Unknown/Other	2061	31.02%	4584	68.98%	6645	10.60%
Pacific Islander	83	63.85%	47	36.15%	130	0.21%
NA/AI	488	39.10%	760	60.90%	1248	1.99%
Hispanic	25772	78.95%	6872	21.05%	32644	52.05%
Black	381	71.08%	155	28.92%	536	0.85%
Asian	686	67.45%	331	32.55%	1017	1.62%
	40217	64.13%	22496	35.87%	62713	
100% or Less	23765	76.59%	7262	23.41%	31027	66.35%
Between 100-199%	9404	67.11%	4608	32.89%	14012	29.96%
200% or More	690	40.00%	1035	60.00%	1725	3.69%
	33859	72.40%	12905	27.60%	46764	

Unknown (15,949) not included in Poverty Level Analysis