

# **Strategic Planning Project**

Work Session #2 Presentation

**December 12, 2006** 









<sup>\*</sup> Partial underwriter of project costs.

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#### I. Introduction

#### **Project Objectives**

- I. To determine the optimal location and configuration of all MHM owned and funded clinics to best fulfill the mission of Methodist Healthcare Ministries within the context of:
  - Current and projected demographic and socioeconomic trends; and
  - Strategic direction of all MHM owned and funded Community Health Clinics.
- II. To develop a data-driven framework for rationalizing resource allocation of all Partner Organizations. This includes analysis of socioeconomic/demographic trends in the San Antonio MSA and development of a Demand Analysis model for projecting the healthcare needs of the targeted population.
- III. To work with MHM and the leadership of organizations funded by MHM to develop consensus on the coordination and prioritization of facility projects.

#### I. Introduction

## Agenda

- Dental Analysis
  - Approach & Use Rates
  - 2005 Estimated Low-Income / Uninsured Volumes
  - 2005 Estimated Utilization Rate by Partner Organization
  - Projected Growth in Volumes 2005 Through 2016
    - By Age Cohort
    - By Location
    - By Specialty
    - By Scenario
- Emergency Services Analysis
  - Approach & Use Rates
  - Projected Growth in Volumes 2005 Through 2016
    - By Age Cohort
    - By Location
- Discussion
  - Summary of Work Session #1
  - Topics for Discussion
  - Prioritization of Facility Projects
  - Coordination of Future Planning Efforts

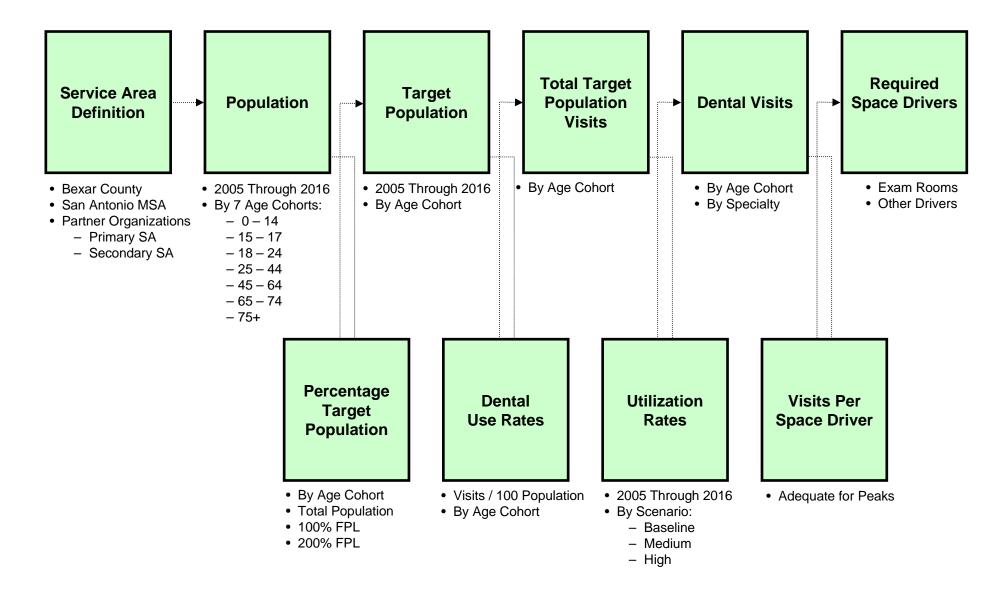
## I. Introduction

# Next Steps

## **Final Report**

- Executive Summary
  - 10 12 Pages of Text & Selected Graphs
  - Objectives
  - Process
  - Key Findings
  - Recommendations
- Consolidated Slides From Work Sessions #1 & #2
- Will Address
  - Feedback from both Worksessions
  - Additional analysis as required

## Demand Analysis Approach



## Data Sources

### **Demographics**

- Claritas 2000, 2006, & 2011
- U.S. Census Bureau

### **Use Rates**

- Centers for Disease Control and Prevention / National Center for Health Statistics
  - National Health Interview Survey (NHIS) 2001
  - http://drc.hhs.gov/report/dqs\_tables/4.htm
- National Dental Visits Per 100 Population by Age Cohort

Age Cohort	NHIS 2001
2 - 4 Years	42.20
5 - 14 Years	80.70
15 - 24 Years	66.20
25 - 34 Years	61.80
35 - 44 Years	66.30
45 - 54 Years	67.90
55 - 64 Years	65.10
65 - 74 Years	58.70
75 - 84 Years	55.00
85+ Years	47.70
Total Population	65.70

### **Dental Visits**

- CommuniCare
- CentroMed
- Methodist Healthcare Ministries
- Daughters of Charity

**Utilization Rates** 

### **Utilization Rates Methodology**

Partner Organization Dental Visits

- Bexar County
- MSA Excluding Bexar County

Estimated Total Visits – 200% FPL

- Bexar County
- MSA Excluding Bexar County

Utilization Rates
(Percentage of Expected Visits by Organization)

#### **Notes on Utilization Rate:**

- No database of actual dental visits is available
- Denominator is based on estimates developed by applying nationally recognized use rates to the 200% population
- In lieu of actual data, approach estimates the closest proxy for utilization

# Dental Visits by Patient Origin<sup>(1)</sup>

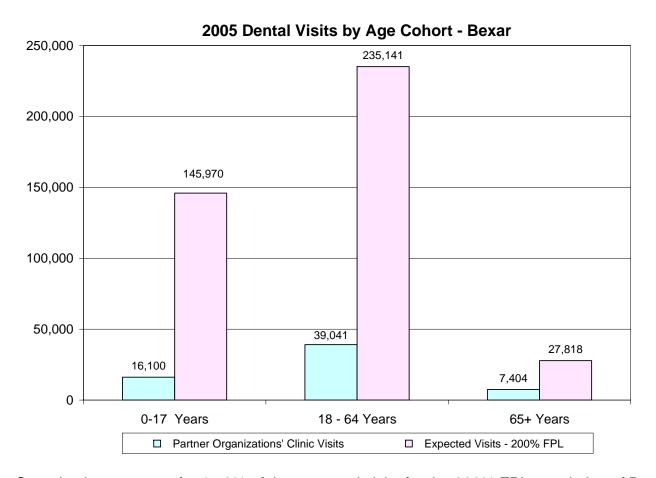
## 2005 Dental Visits by Patient Origin

Partner Organization	Bexar County	MSA Excluding Bexar County	Outside of MSA	Total
CommuniCare	26,578	274	121	26,973
CentroMed	21,252	1,965	424	23,641
Methodist Healthcare Ministries	10,951	634	196	11,781
Daughters of Charity	3,764	233	126	4,123
Total - Partner Organizations	62,545	3,106	867	66,518

## 2005 Percentage of Dental Visits by Patient Origin

Partner Organization	Bexar County	MSA Excluding Bexar County	Outside of MSA	Total
CommuniCare	98.5%	1.0%	0.4%	100.0%
CentroMed	89.9%	8.3%	1.8%	100.0%
Methodist Healthcare Ministries	93.0%	5.4%	1.7%	100.0%
Daughters of Charity	91.3%	5.6%	3.1%	100.0%
Total - Partner Organizations	94.0%	4.7%	1.3%	100.0%

Dental Visits & Utilization by Age Cohort – Bexar County<sup>(1)</sup>



- Partner Organizations account for 15.3% of the expected visits for the 200% FPL population of Bexar County
- Utilization varies significantly by age cohort:
  - 11.0% of expected volumes from 0 17 age cohort
  - 16.6% of expected volumes from 18 64 cohort
  - 26.6% of expected volumes from 65+ age cohort

# Dental Visits & Utilization by Age Cohort – Bexar County<sup>(1)</sup>

## 2005 Market Dental Visits - Bexar County

Partner Organization	0-17 Years	18 - 64 Years	65+ Years	Total
CommuniCare	4,212	18,176	4,190	26,578
CentroMed	8,709	11,086	1,457	21,252
Methodist Healthcare Ministries	2,807	6,826	1,318	10,951
Daughters of Charity	372	2,952	440	3,764
Total - Partner Organizations	16,100	39,041	7,404	62,545
Total Expected Market - 200% FPL	145,970	235,141	27,818	408,929
Variance	129,871	196,100	20,414	346,385

### • 2005 Utilization – Bexar County

Partner Organization	0-17 Years	18 - 64 Years	65+ Years	Total
CommuniCare	2.9%	7.7%	15.1%	6.5%
CentroMed	6.0%	4.7%	5.2%	5.2%
Methodist Healthcare Ministries	1.9%	2.9%	4.7%	2.7%
Daughters of Charity	0.3%	1.3%	1.6%	0.9%
Total - Partner Organizations	11.0%	16.6%	26.6%	15.3%
Total - Other	89.0%	83.4%	73.4%	84.7%

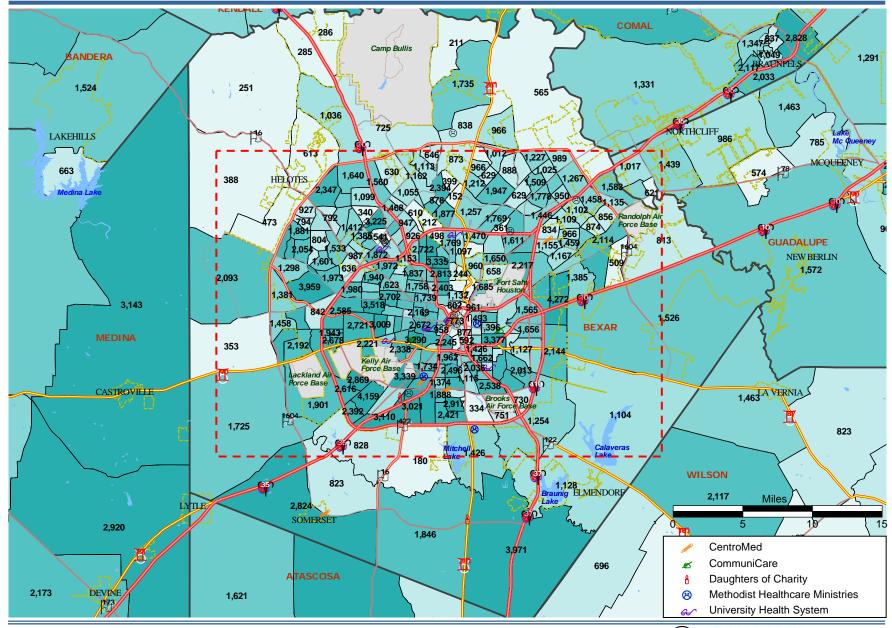
### **Key Issues**

- From which areas of Bexar County do the Partner Organizations' dental visits originate?
- What do these volumes represent in terms of expected volumes?

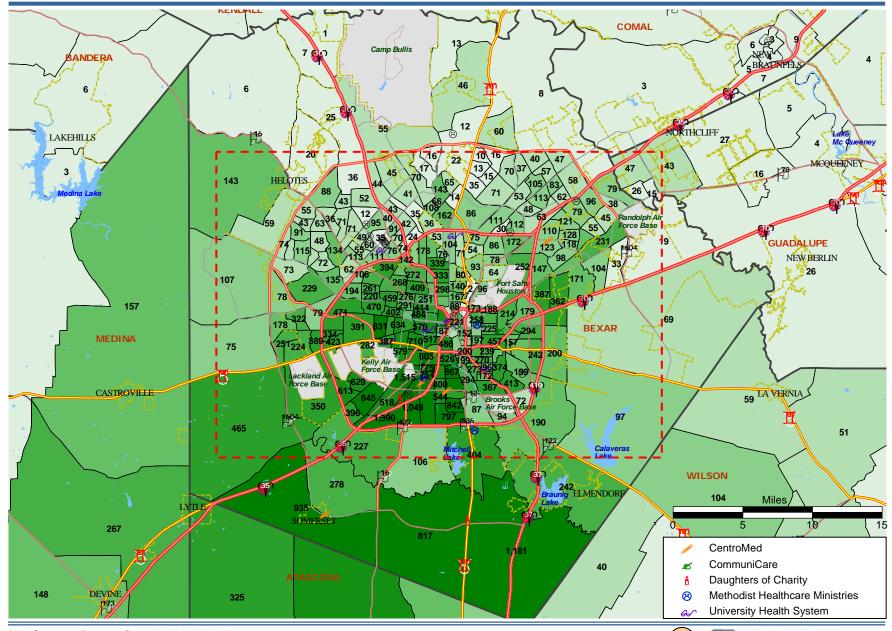
## **Following Slides Map:**

- Dental Visits of Individual Partner Organizations
- Utilization Rates of Individual Partner Organizations

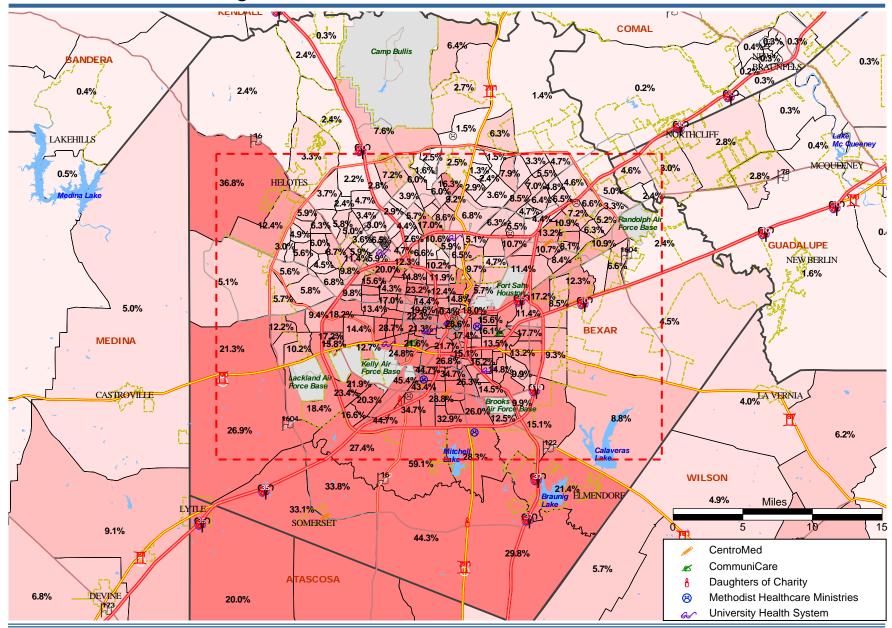
2005 Estimated Dental Visits at 200% FPL<sup>(1)</sup>



2005 Partner Organizations' Dental Visits<sup>(1)</sup>



2005 Partner Organizations' Dental Utilization Rates<sup>(1)</sup>



## Demand Analysis

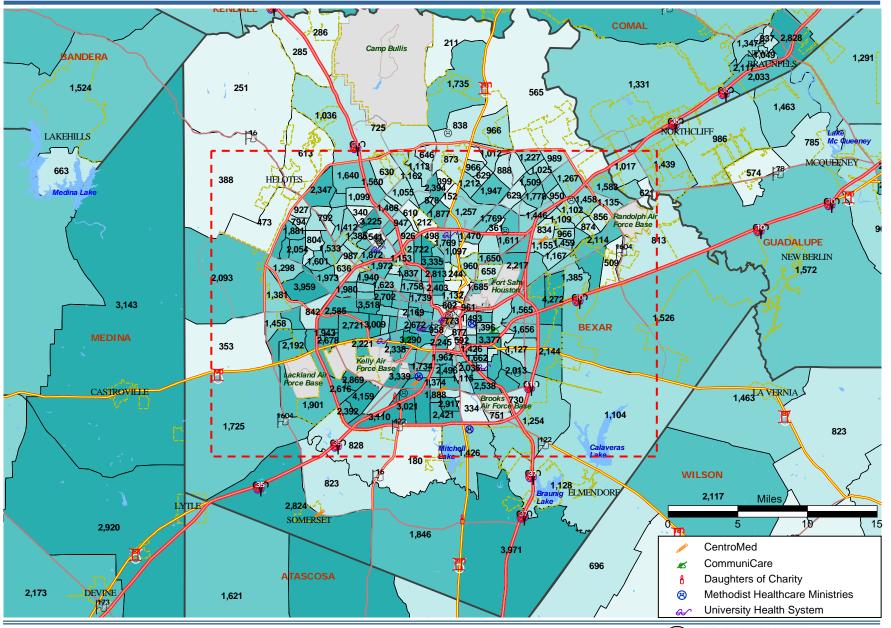
#### **Key Issues**

- What is the expected future growth in demand in Bexar County and the MSA?
  - From 2005 through 2016
  - By Age Cohort
- Where is the growth expected to occur?

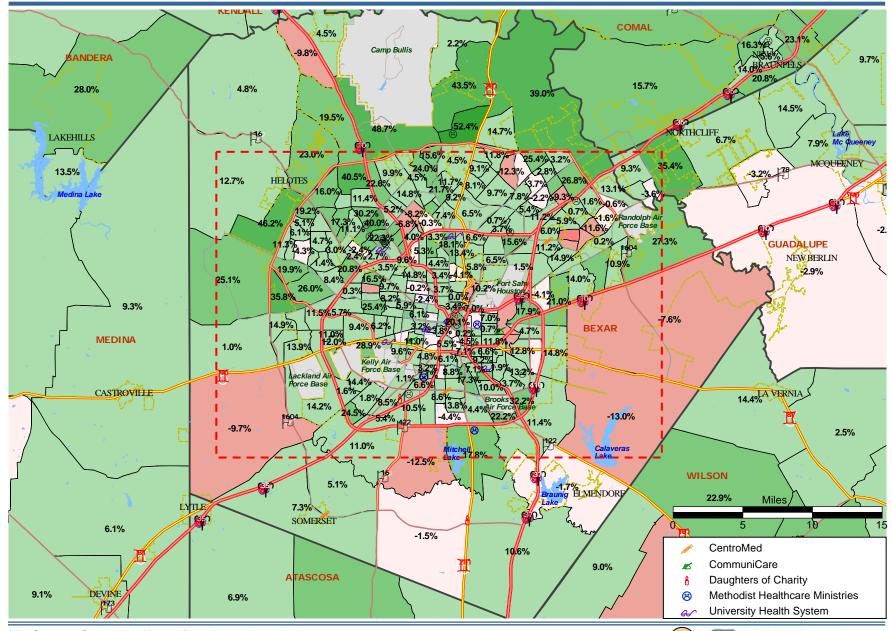
## **Following Slides:**

- Map projected demand growth from 2005 through 2016
  - Total Visits Increase
  - Percentage Increase
- Quantify Bexar County and MSA total demand from 2005 through 2016

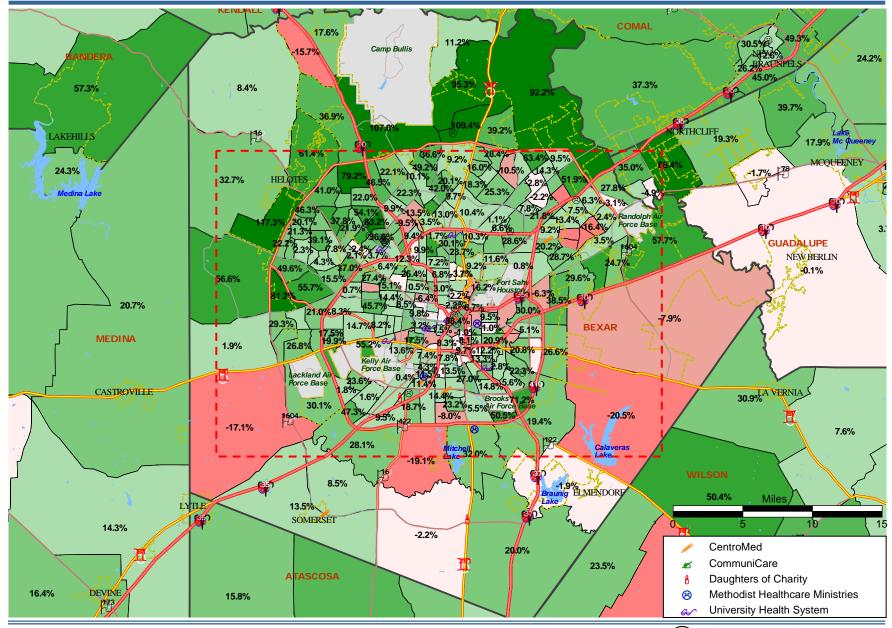
2005 Estimated Dental Visits at 200% FPL<sup>(1)</sup>



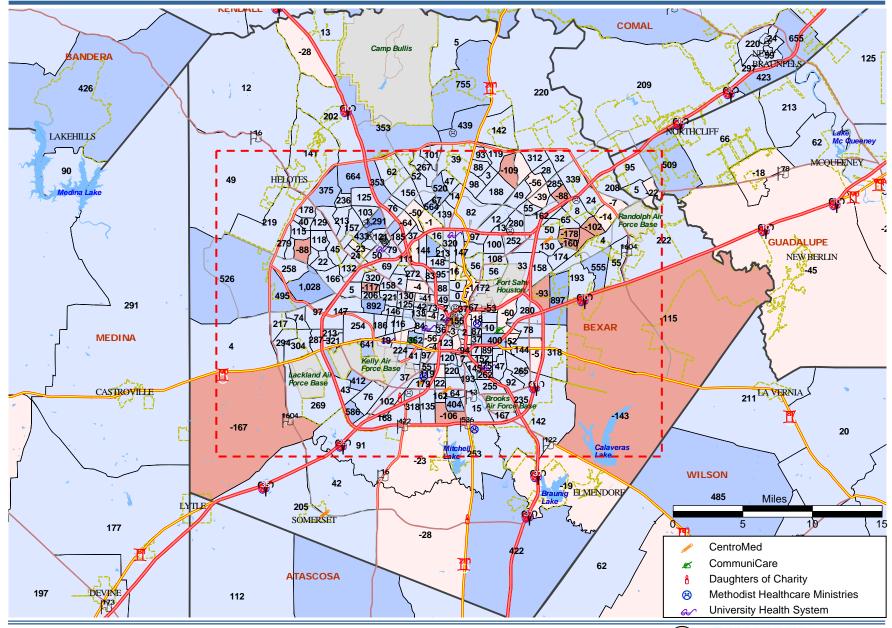
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2011(1)



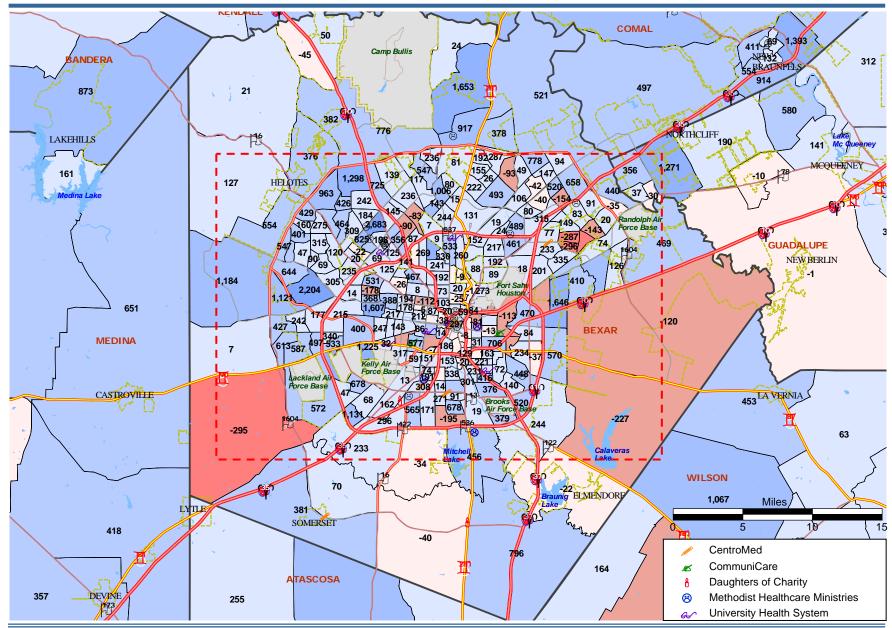
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2016(1)



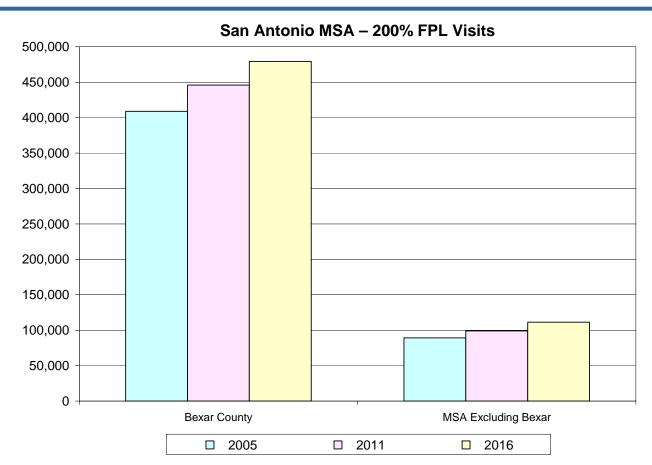
Absolute Growth in Estimated Visits at 200% FPL 2005 - 2011(1)



Absolute Growth in Estimated Visits at 200% FPL 2005 - 2016(1)

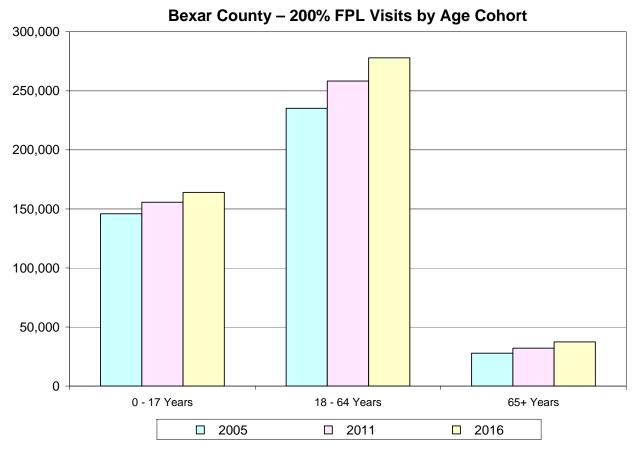


## San Antonio MSA – 200% FPL Visits



Service Area	2005	2011	2016	% Increase 2005 - 2011		% Increase 2005 - 2016	Variance 2005 - 2016
Bexar County	408,929	446,047	479,375	9.1%	37,117	17.2%	70,446
MSA Excluding Bexar	89,238	99,021	111,414	11.0%	9,783	24.9%	22,176
Total San Antonio MSA	498,167	545,068	590,789	9.4%	46,900	18.6%	92,622

# Bexar County - 200% FPL Visits by Age



Age Cohort	2005	2011	2016	% Increase 2005 - 2011		% Increase 2005 - 2016	Variance 2005 - 2016
0 - 17 Years	145,970	155,652	164,043	6.6%	9,682	12.4%	18,073
18 - 64 Years	235,141	258,304	277,877	9.9%	23,163	18.2%	42,736
65+ Years	27,818	32,090	37,455	15.4%	4,272	34.6%	9,637
Total San Antonio MSA	408,929	446,047	479,375	9.1%	37,117	17.2%	70,446

## Dentist Requirements

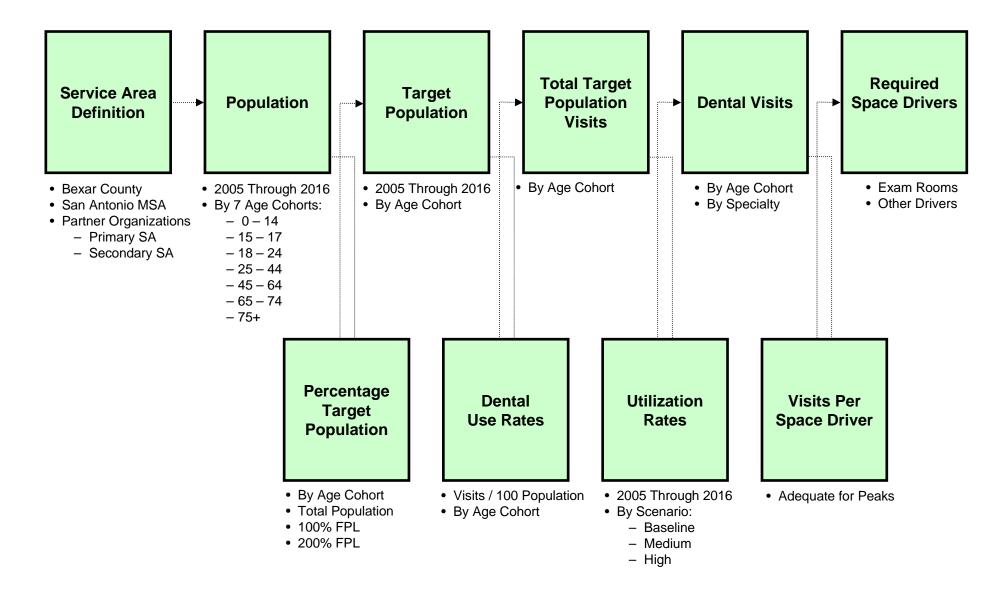
- Dentist requirements dependent upon the staffing models of individual Partner Organizations
  - Dentists
  - Dental Hygienists
- American Dental Association (ADA) Survey:

Dentist	Visits Per Year
Average Generalist Dentist Without Hygienists	2,614
Average Generalist Dentist	3,888
Average Generalist Dentist With At Least 1 Hygienist	4,559

• Using the ADA benchmarks as a guideline, significant Dentist recruiting will be required to meet incremental 2005 to 2016 demand in Bexar County:

_	Average Generalist Dentist Without Hygienists	+26.9
_	Average Generalist Dentist	+18.1
_	Average Generalist Dentist With At Least 1 Hygienist	+ 15.5

## Demand Analysis Approach



#### Scenario Definitions

#### **Utilization Rate**

#### Baseline Scenario

- No changes to the 2005 utilization rates of Partner Organizations
- Applies to Bexar County and MSA excluding Bexar County
- Outside of MSA visits remain constant at 2005 volumes

#### Medium Scenario

- Bexar County utilization increases 1.0%... from 15.3% to 16.3%
  - Utilization increases among Partner Organizations proportionate to 2005
  - Utilization increases occur between 2005 and 2011
- MSA utilization outside of Bexar remains unchanged from 2005
- Outside of MSA visits remain constant at 2005 volumes

#### High Scenario

- Bexar County utilization increases 2.0%... from 15.3% to 17.3%
  - Utilization increases among Partner Organizations proportionate to 2005
  - Utilization increases occur between 2005 and 2011
- MSA utilization outside of Bexar remains unchanged from 2005
- Outside of MSA visits remain constant at 2005 volumes

#### **Use Rates**

CDC / NCIS 2001 use rates by Age Cohort applied to all Scenarios

#### **Population:**

2005 through 2016 population by age cohort applied to all Scenarios

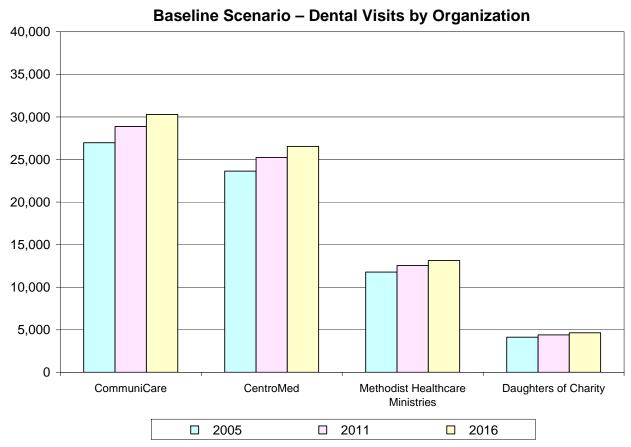
#### **Poverty Rates**

- 200% FPL is proxy for uninsured population
- No changes to 2003 Poverty Rates in Bexar / MSA Counties

Variable Factors

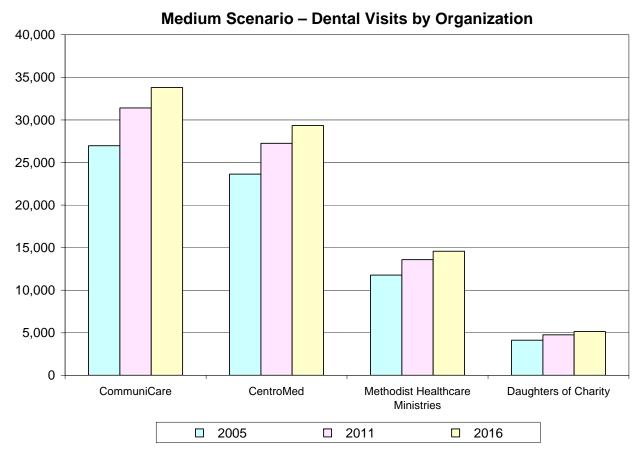
**Constant Factors** 

## Baseline Scenario



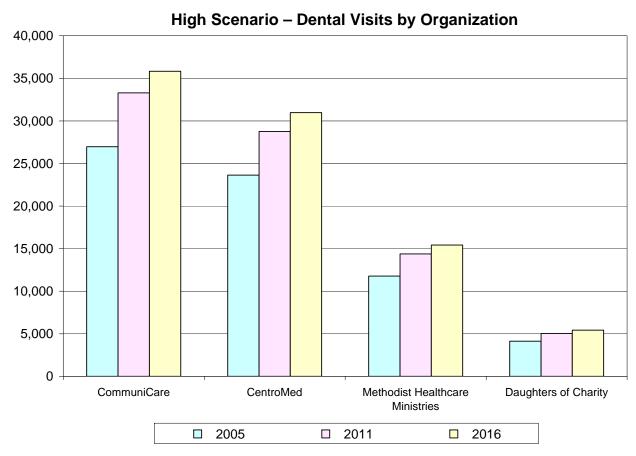
Partner Organization	2005	2011	2016	% Increase 2005 - 2011	Variance 2005 - 2011	% Increase 2005 - 2016	Variance 2005 - 2016
CommuniCare	26,973	28,876	30,290	7.1%	1,903	12.3%	3,317
CentroMed	23,641	25,234	26,539	6.7%	1,593	12.3%	2,898
Methodist Healthcare Ministries	11,781	12,559	13,134	6.6%	778	11.5%	1,353
Daughters of Charity	4,123	4,406	4,639	6.9%	283	12.5%	516
Total	66,518	71,075	74,603	6.9%	4,557	12.2%	8,085

## Medium Scenario



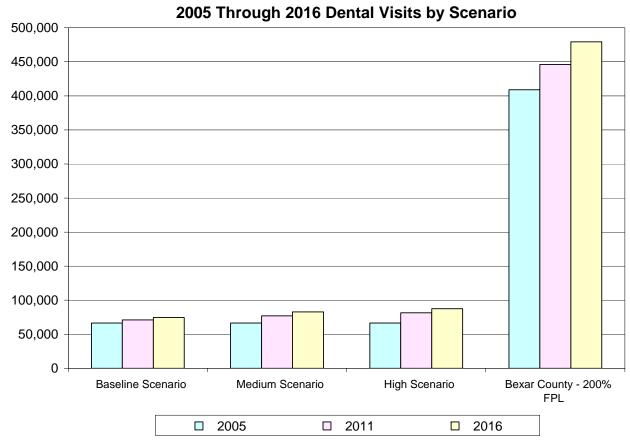
Partner Organization	2005	2011	2016	% Increase 2005 - 2011	Variance 2005 - 2011	% Increase 2005 - 2016	Variance 2005 - 2016
CommuniCare	26,973	31,397	33,793	16.4%	4,424	25.3%	6,820
CentroMed	23,641	27,250	29,340	15.3%	3,609	24.1%	5,699
Methodist Healthcare Ministries	11,781	13,598	14,577	15.4%	1,817	23.7%	2,796
Daughters of Charity	4,123	4,763	5,135	15.5%	640	24.6%	1,012
Total	66,518	77,008	82,846	15.8%	10,490	24.5%	16,328

# High Scenario



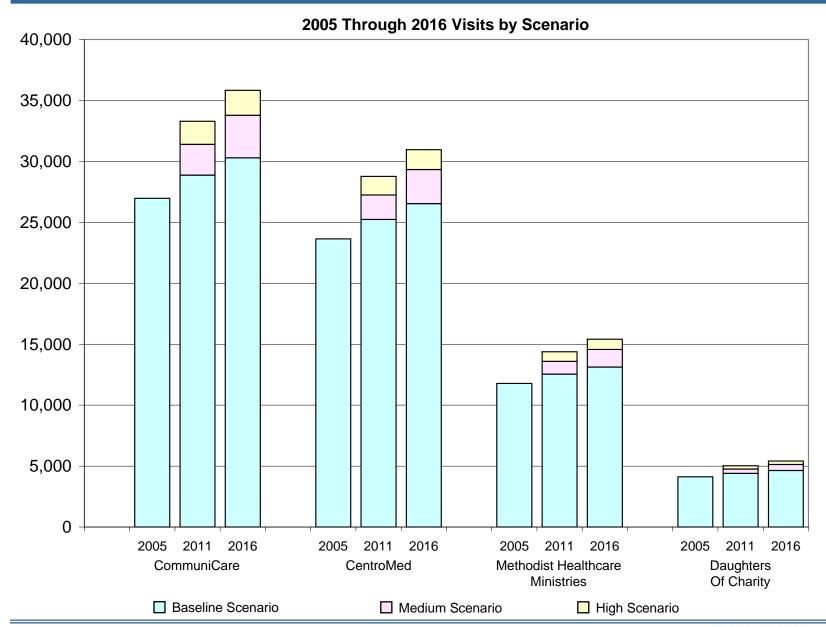
Partner Organization	2005	2011	2016	% Increase 2005 - 2011	Variance 2005 - 2011	% Increase 2005 - 2016	Variance 2005 - 2016
CommuniCare	26,973	33,293	35,830	23.4%	6,320	32.8%	8,857
CentroMed	23,641	28,765	30,969	21.7%	5,124	31.0%	7,328
Methodist Healthcare Ministries	11,781	14,379	15,417	22.1%	2,598	30.9%	3,636
Daughters of Charity	4,123	5,031	5,424	22.0%	908	31.5%	1,301
Total	66,518	81,469	87,639	22.5%	14,951	31.8%	21,121

# Scenario Summary



Scenario	2005	2011	2016	% Increase 2005 - 2011	Variance 2005 - 2011	% Increase 2005 - 2016	Variance 2005 - 2016
Baseline Scenario	66,518	71,075	74,603	6.9%	4,557	12.2%	8,085
Medium Scenario	66,518	77,008	82,846	15.8%	10,490	24.5%	16,328
High Scenario	66,518	81,469	87,639	22.5%	14,951	31.8%	21,121
Bexar County - 200% FPL	408,929	446,047	479,375	9.1%	37,117	17.2%	70,446

## Scenario Summary



## Summary

### **Utilization Rate**

Partner Organizations' 2005 volumes were 15.3% of expected 200% FPL visits in Bexar County

_	Expected 200% FPL Visits	408,929
_	Partner Organizations' Visits	62,545
_	Utilization Rate	15.3%

#### **Projected Volumes**

Bexar County projected to experience large increases in Dental demand for the 200% FPL population

		Incremental Visits	<u>% Increase</u>
_	CY 2005 - 2011	37,117	9.1%
_	CY 2005 - 2016	70,446	17.2%

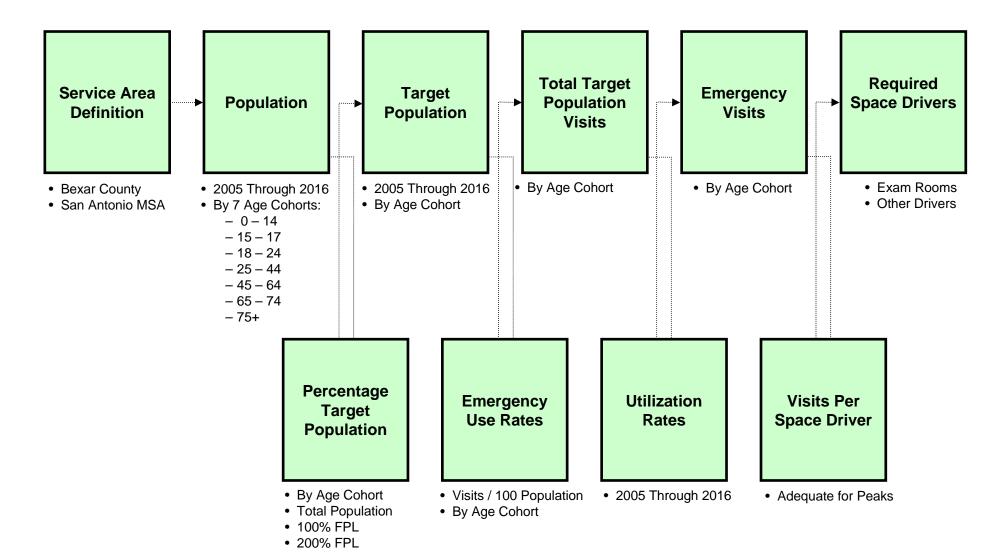
 Most incremental demand will occur in the 18 – 64 age cohort and will be concentrated in the northern half of Bexar County outside of Loop 410

#### **Demand Analysis**

Under the defined Scenarios, the Partner Organizations would need to significantly expand capacity

```
    Baseline Scenario + 8,085 visits... +12.2%
    Medium Scenario: +16,328 visits... +24.5%
    High Scenario: +21,121 visits... +31.8%
```

## Demand Analysis Approach



## Data Sources

### **Demographics**

- Claritas 2000, 2006, & 2011
- U.S. Census Bureau

#### **Use Rates**

- Medstat Bexar County Estimates 2003
- Emergency Visits Per 100 Population by Age Cohort

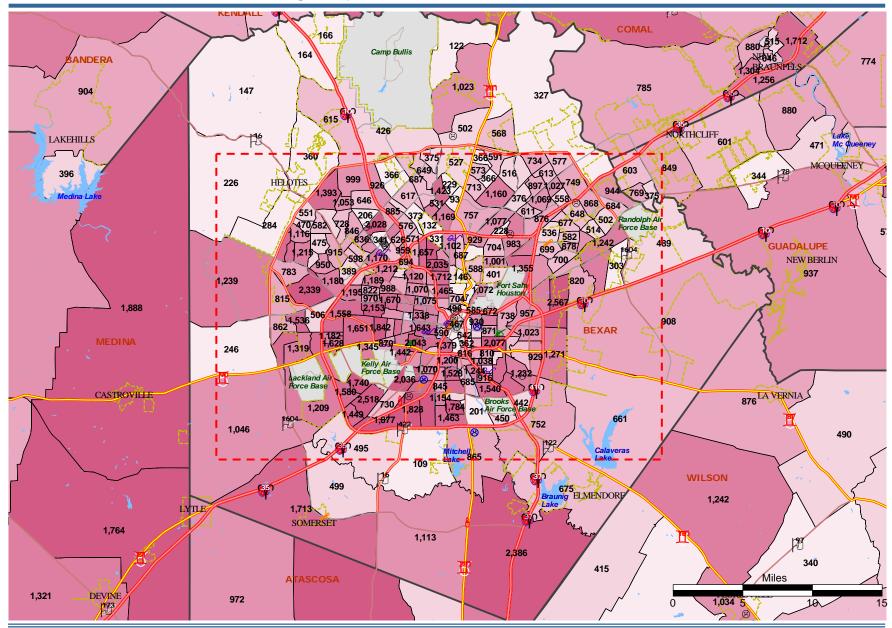
Age Cohort	Medstat Bexar County Estimate		
0 - 14 Years	39.50		
15 - 17 Years	42.80		
18 - 24 Years	42.80		
25 - 44 Years	38.73		
45 - 64 Years	29.82		
65 - 74 Years	38.24		
75+ Years	62.16		

#### **Other Sources**

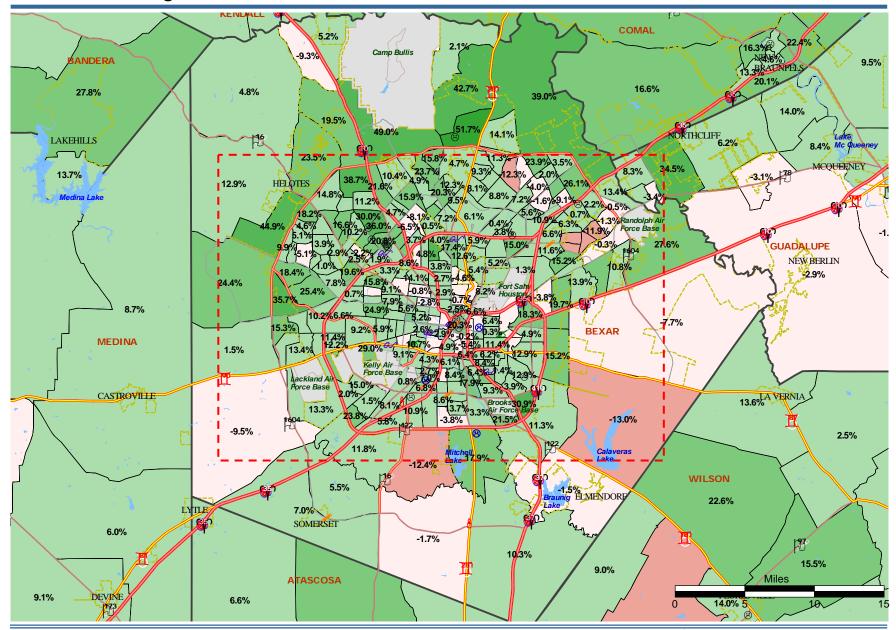
- Access to Care for the Uninsured (ACU)
- Reporting Organizations:
  - Methodist Healthcare System
  - Baptist Health System
  - CHRISTUS Santa Rosa
  - University Health System

- Non-Reporting Organizations:
  - Southwest General Hospital
  - Nix Health Care System

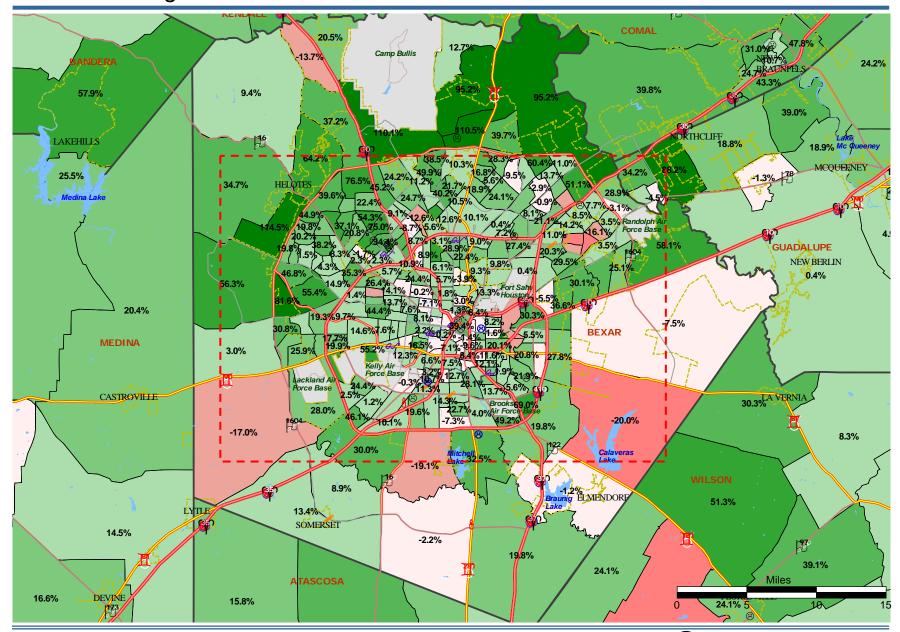
2005 Estimated Emergency Visits at 200% FPL<sup>(1)</sup>



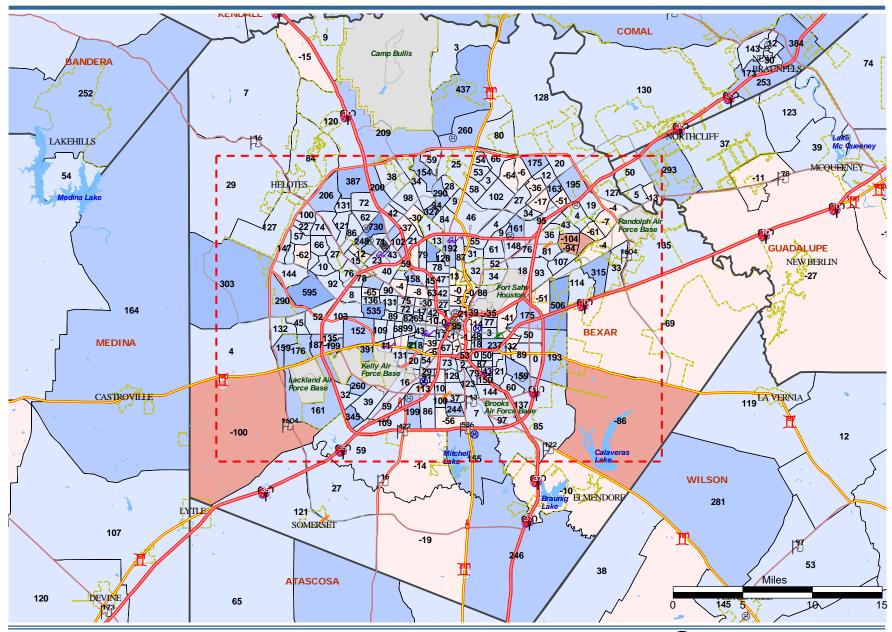
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2011(1)



Percentage Growth in Estimated Visits at 200% FPL 2005 - 2016(1)

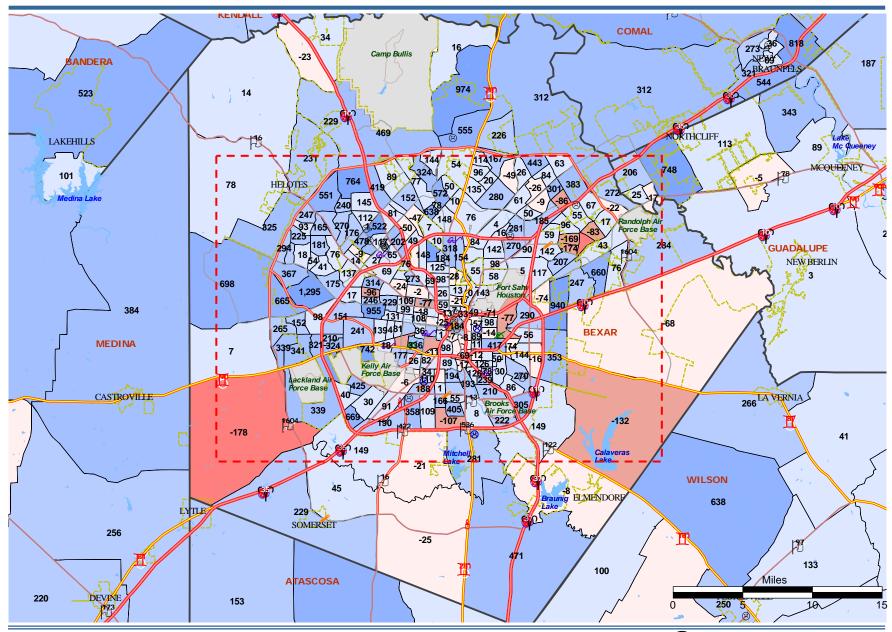


Absolute Growth in Estimated Visits at 200% FPL 2005 - 2011(1)

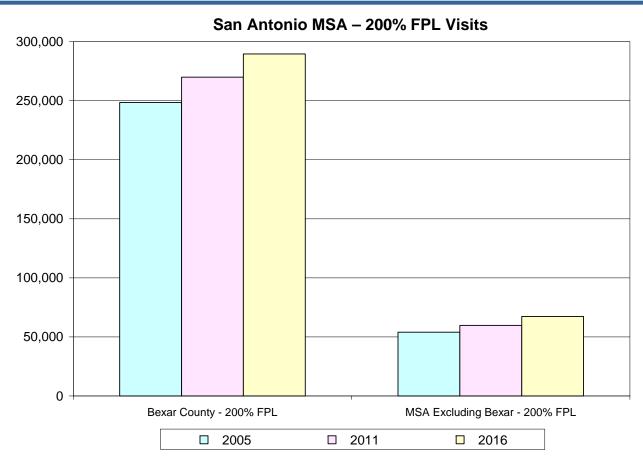


<sup>(1)</sup> Source: Capital Healthcare Planning estimated volumes.

Absolute Growth in Estimated Visits at 200% FPL 2005 - 2016(1)

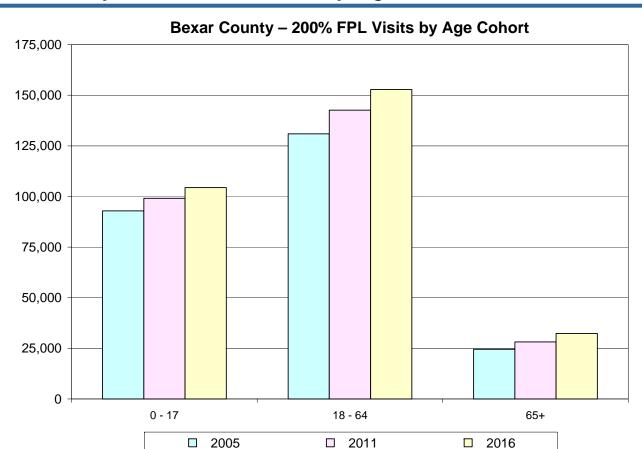


# San Antonio MSA – 200% FPL Visits

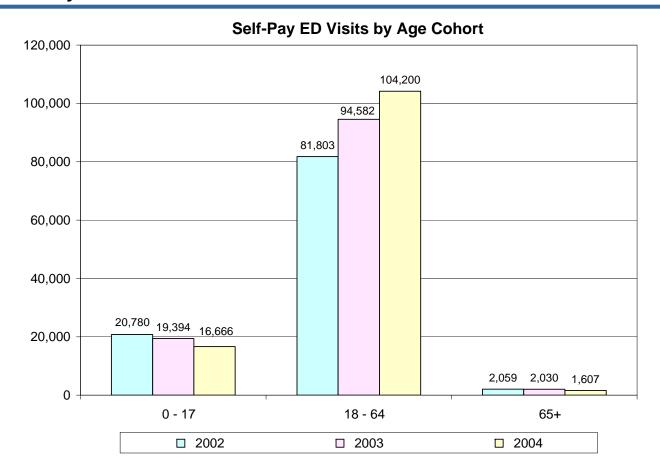


Service Area	2005	2011	2016	% Increase 2005 - 2011		% Increase 2005 - 2016	Variance 2005 - 2016
Bexar County - 200% FPL	248,438	269,938	289,615	8.7%	21,500	16.6%	41,177
MSA Excluding Bexar - 200% FPL	53,964	59,757	67,346	10.7%	5,792	24.8%	13,381
Total San Antonio MSA	302,402	329,695	356,961	9.0%	27,292	18.0%	54,558

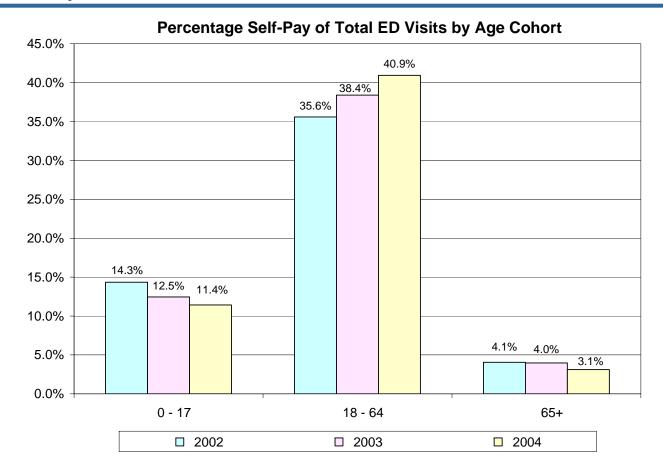
# Bexar County - 200% FPL Visits by Age



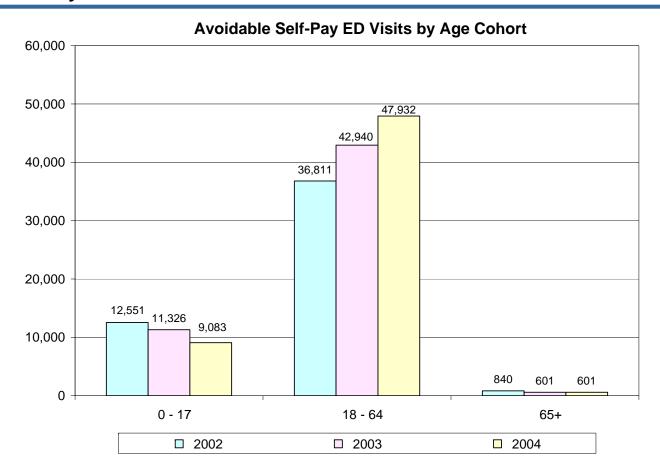
Age Cohort	2005	2011	2016	% Increase 2005 - 2011	Variance 2005 - 2011	% Increase 2005 - 2016	Variance 2005 - 2016
0 - 17	92,935	99,097	104,434	6.6%	6,162	12.4%	11,499
18 - 64	130,954	142,638	152,823	8.9%	11,684	16.7%	21,869
65+	24,548	28,202	32,358	14.9%	3,654	31.8%	7,810
Total Bexar County	248,438	269,938	289,615	8.7%	21,500	16.6%	41,177



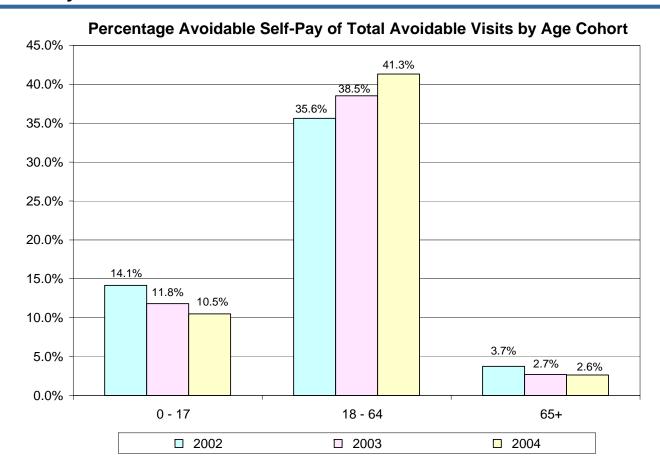
- Extremely high growth in Self-Pay Visits for 18 64 Age Cohort
  - 27.4% increase from 2002 2004… +22,397 visits
- Much lower volumes and negative or flat growth in 0 17 and 65+ Age Cohorts



- Self-Pay accounts for nearly 41% of all Emergency visits in 18 64 Age Cohort
  - +5.3% Growth 2002 2004
- 0 17 and 65+ Self-Pay visits as a percentage of total have declined from 2002 2004



- Extremely high growth in Avoidable Self-Pay Visits for 18 64 Age Cohort
  - 30.2% increase from 2002 2004… +11,121 visits
- Avoidable Visits Categories:
  - Non-Emergent
  - Primary Care Treatable
  - ED Care Needed; Preventable/Avoidable



- 41.3% of all Self-Pay Emergency visits were avoidable in 18 64 Age Cohort... +5.7% Growth 2002 2004
- Much lower volumes and negative or flat growth in 0 17 and 65+ Age Cohorts

# Summary

#### **Projected Volumes**

Bexar County projected to experience large increases in Emergency demand for 200% FPL population

		Incremental Visits	<u>% Increase</u>
_	CY 2005 - 2011	21,500	8.7%
_	CY 2005 - 2016	41,177	16.6%

 Most incremental demand will occur in the 18 – 64 age cohort and will be concentrated in the northern half of Bexar County outside of Loop 410

#### Self-Pay Volumes(1)

Self-Pay accounts for a significant percentage of Emergency visits in Bexar County

	Age Cohort	Self-Pay Visits	% of Total Visits
_	0 – 17	16,666	11.4%
_	18 – 64	104,200	40.9%
_	<u>65</u> +	1,607	3.1%
_	Total	122,473	27.1%

Avoidable Self-Pay visits in Bexar County are a significant percentage of total avoidable volumes

	Age Cohort	Avoidable Self-Pay Visits	% of Total Avoidable Visits
_	0 – 17	9,083	10.5%
_	18 – 64	47,932	41.3%
_	65+	601	2.6%
_	Total	57,616	25.5%

# Summary – From Work Session #1

- There is currently a large unmet need for Primary Care for the 200% FPL population
  - Most areas of Bexar County have some degree of unmet needs
  - Varies significantly by location
- Underutilization of Primary Care by target population results in:
  - Higher healthcare costs to community, both short-term and long-term
    - Over-utilization of Emergency Services
    - Less Preventive Care
    - Less Early Detection and Treatment of Disease
  - Lower quality of life
- Very strong incremental demand for Bexar County projected over the next 10 years across all age cohorts, especially in the 18 – 64 age group
  - To maintain current utilization of 40.6%, Partner Organizations will need to expand capacity significantly
  - To improve utilization in Bexar County to 45% or 50%, even larger commitments of resources will be required
- Existing clinic locations:
  - Positioned to serve current target population within Loop 410
  - Considerable overlap of Service Areas and close proximity of Clinic sites
  - Not as well positioned to accommodate much of future growth

# Planned / Potential Projects

- CentroMed Community Health Center South
  - Relocate staffing and services from Southside Clinic
  - Alleviate overcrowding at South Park Clinic
- Daughters of Charity Facility Expansion De Paul Clinic
  - Expand dental capacity and child care services
- CommuniCare Potential New Clinic
  - Renovation/improved space utilization at Barrio Family Health Center
  - Potential new facility in northwestern region of FQHC service area
- University Health System
  - UHS Downtown Clinic (Brady Green)
    - In planning stages for expansion and renovation
    - Imaging, Other Diagnostics, and Specialty Outpatient Services
  - Metropolitan Health District
- Methodist Healthcare Ministries Evaluation of Existing Clinics
  - Potential relocation of dental services from Villa Coronado to Wesley Columbia Heights
  - Expansion at Wesley Columbia Heights to increase dental and medical services

### **Topics**

- 1) What are the best strategies for ensuring greatest coverage in the most cost effective manner of the low-income uninsured? Potential options include:
  - A. Increased Capacity For:
    - Preventive / Primary Care
    - Dental Care
  - B. Improved Accessibility
    - New Clinics in High Growth Areas
    - Expanding / Renovating Existing Clinics
  - C. Developing Public Awareness / Education Programs
    - Educating Public About Current Clinics & Programs
      - Services / Locations
      - Available Regardless of Citizenship or Insurance Status
      - Sliding Scale Fees for the Low-Income
    - Emphasizing Importance of Preventive Care
    - Distinguishing Between Emergent, Urgent, and Primary Care
  - D. Expansion of Funding

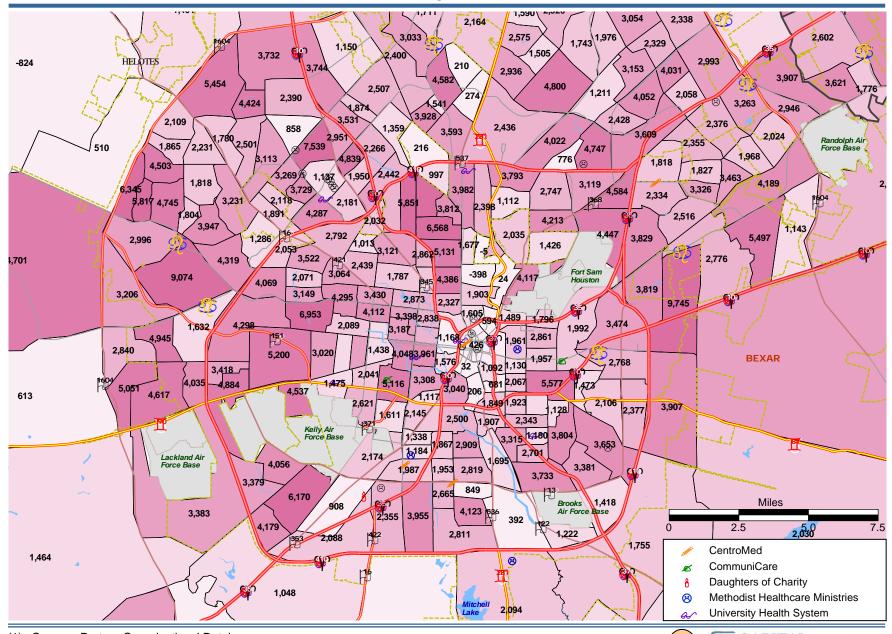
### **Topics**

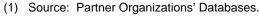
- 2) How can the Partner Organizations work together to better serve the community?
  - A. Potential framework for joint planning?
  - B. Potential opportunities for partnership?
    - Between the Partnership Organizations
    - With Hospitals in the San Antonio MSA
    - Other organizations (Metro Clinics, The Community Clinic, Christian Dental)
  - C. Other programs such as ACU to coordinate clinical operations among Partner Organizations
- 3) How should we relay our message to the community?
  - A. What is the message we need to communicate?
  - B. How should it be released?
    - Press Release
    - Presentations
    - Website
  - C. To whom should we convey the message?
    - Bexar County / San Antonio
    - Hospitals / Systems
    - State
  - D. What should we ask for?
    - Funding
      - Capital Projects
      - Operating Expenses
    - Cooperation / Operating Relationships
    - Other?

Beginning of hyperlinked slide	es	

#### I. Introduction

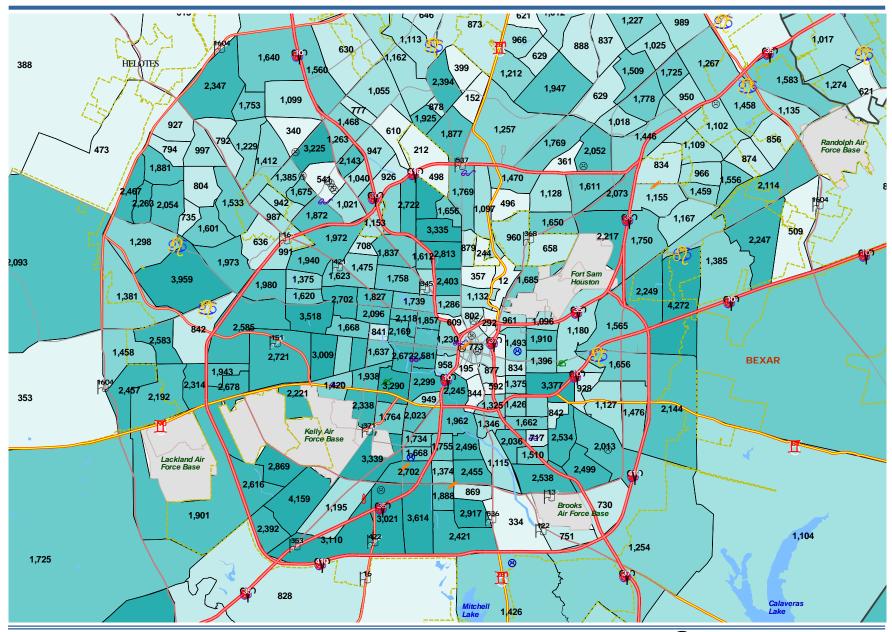
# 2005 Visits Not Seen at Partner Organizations' Clinics

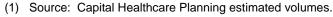






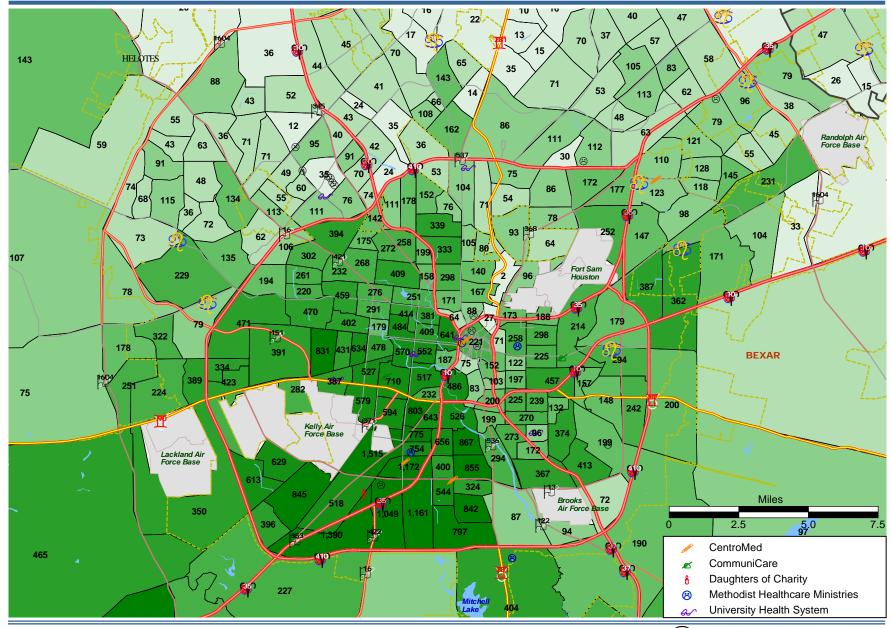
### 2005 Estimated Dental Visits at 200% FPL<sup>(1)</sup>

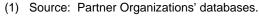






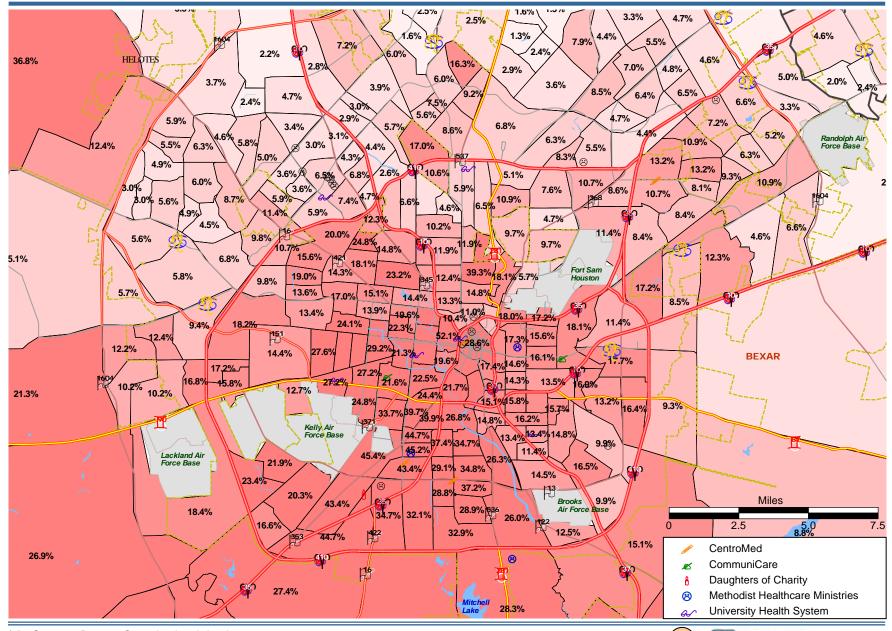
2005 Partner Organizations' Dental Visits<sup>(1)</sup>

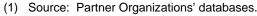






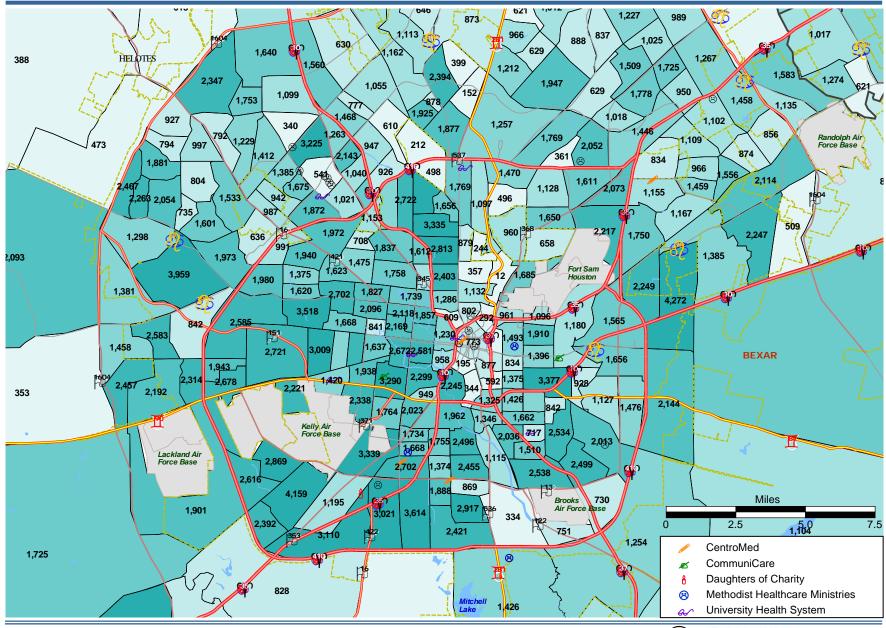
2005 Partner Organizations' Dental Utilization Rates<sup>(1)</sup>

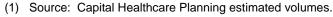






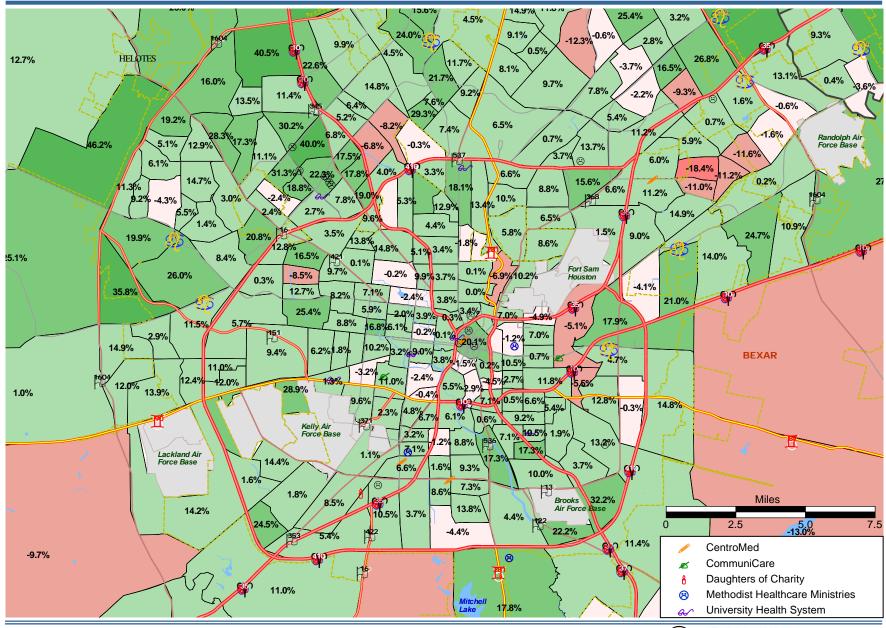
2005 Estimated Dental Visits at 200% FPL<sup>(1)</sup>

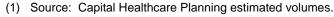






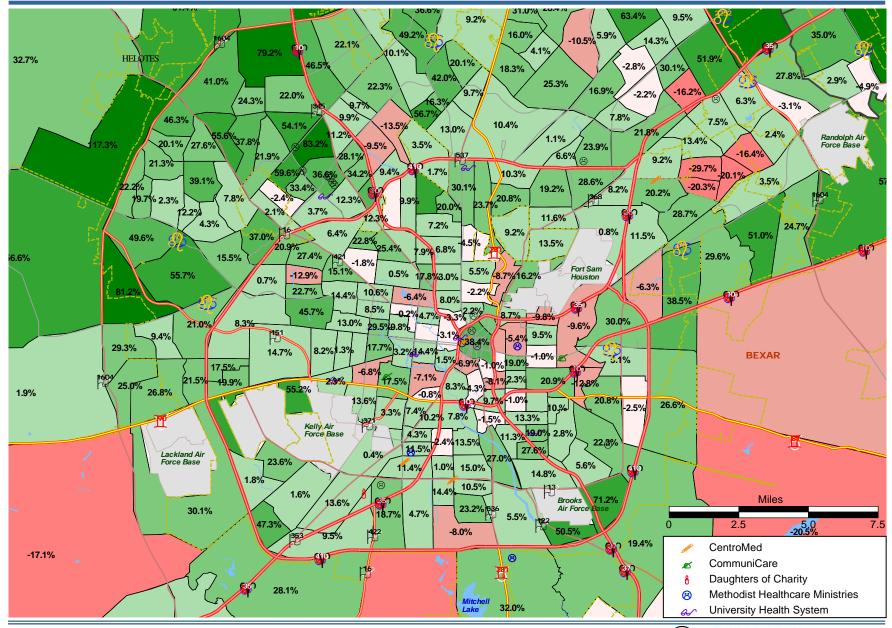
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2011(1)

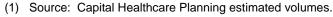






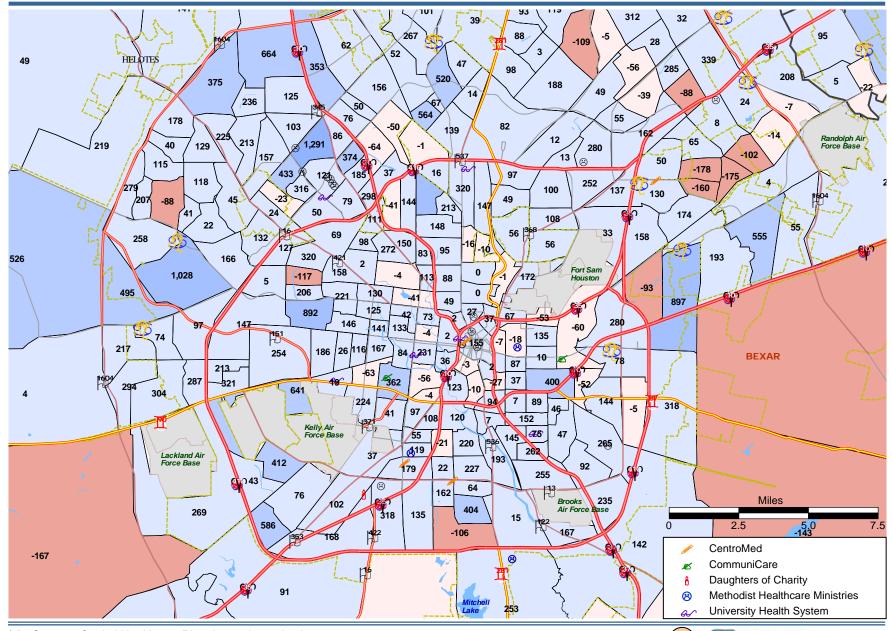
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2016<sup>(1)</sup>

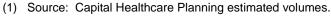






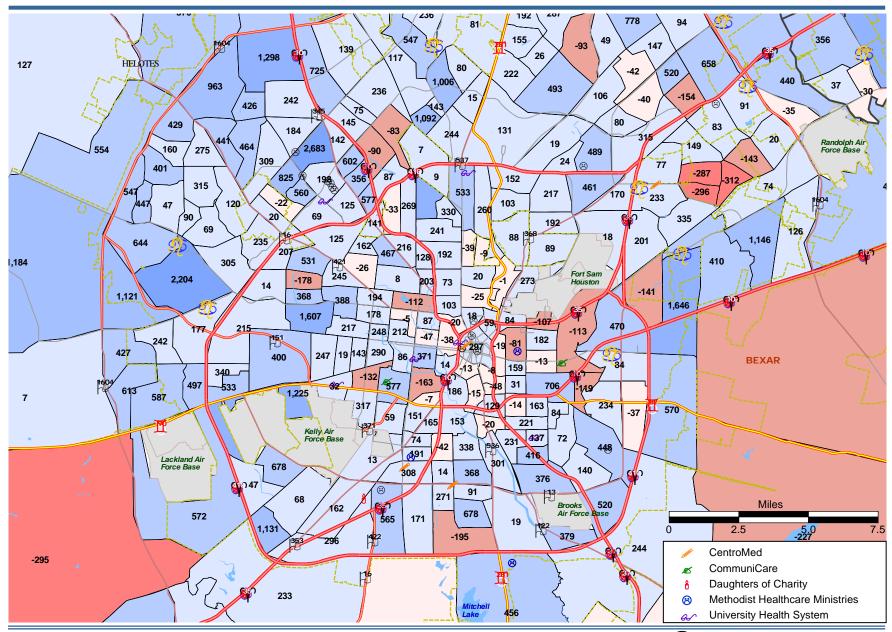
Absolute Growth in Estimated Visits at 200% FPL 2005 - 2011(1)

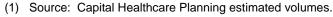






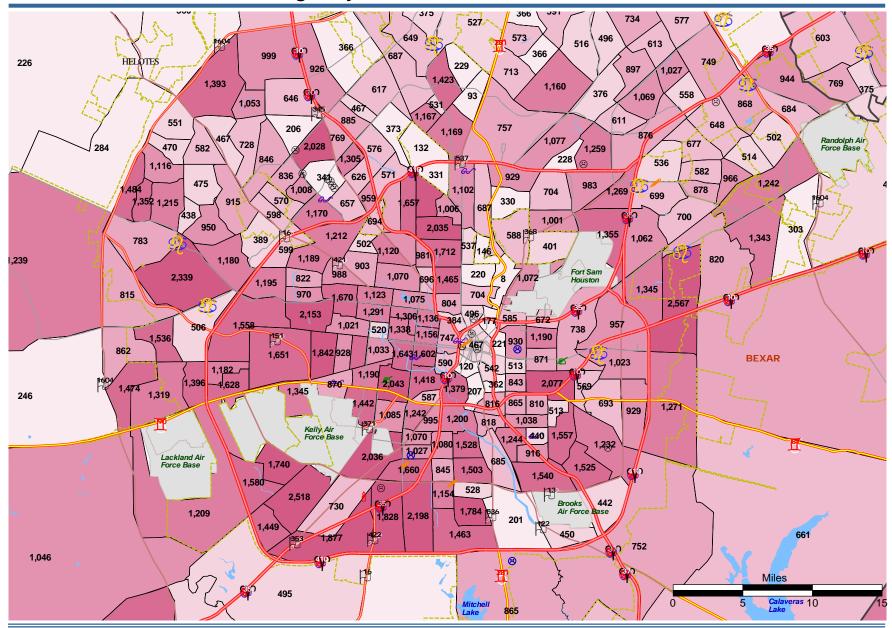
Absolute Growth in Estimated Visits at 200% FPL 2005 - 2016(1)

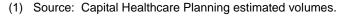






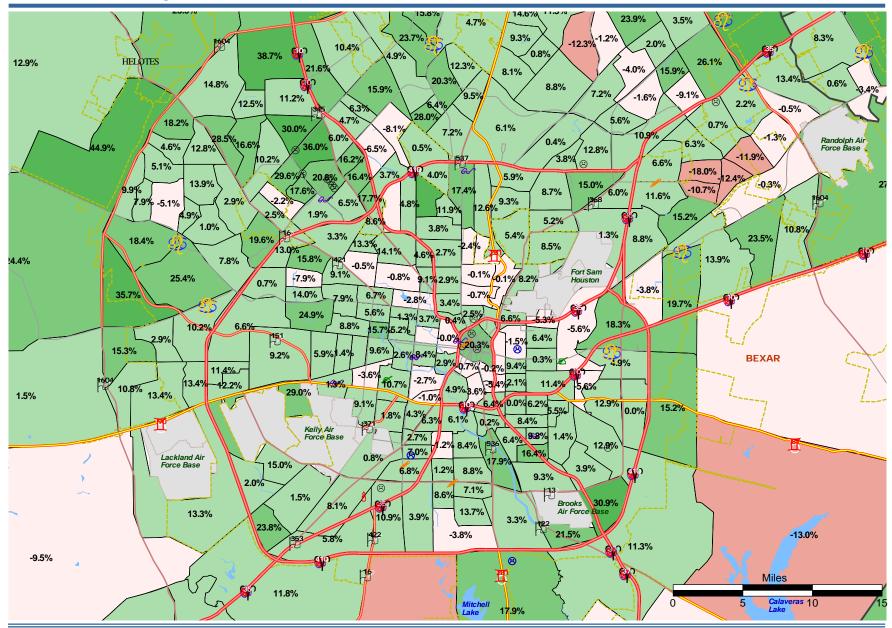
2005 Estimated Emergency Visits at 200% FPL<sup>(1)</sup>







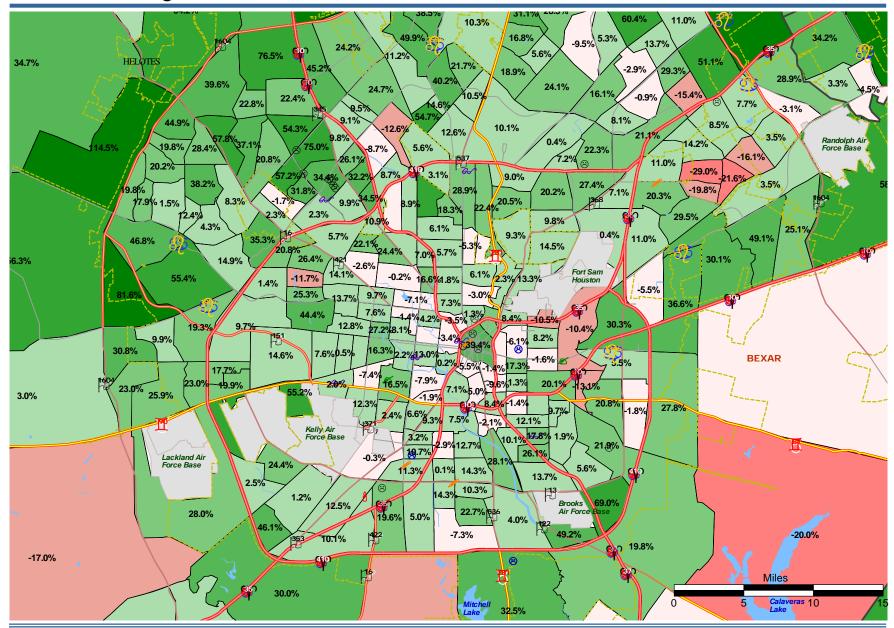
Percentage Growth in Estimated Visits at 200% FPL 2005 - 2011(1)



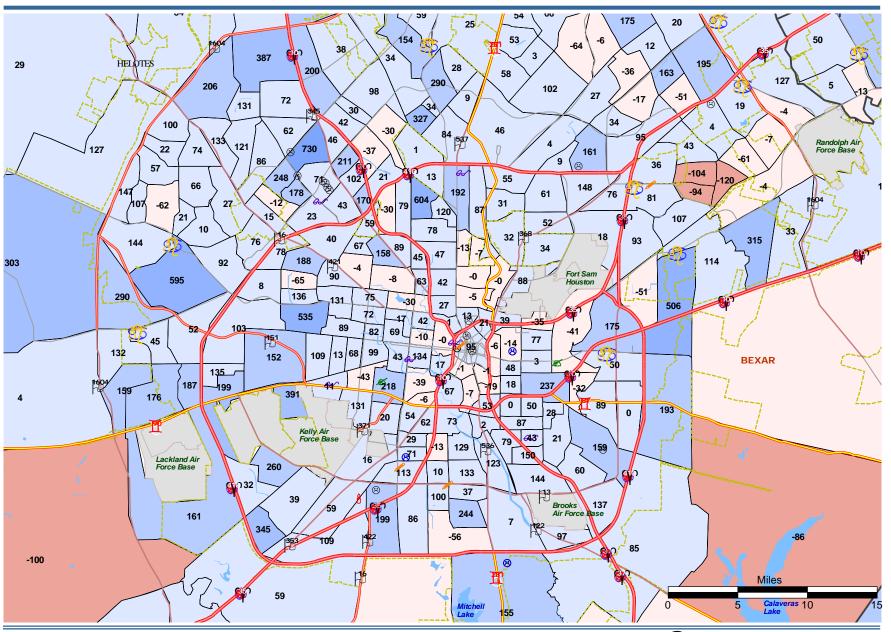
<sup>(1)</sup> Source: Capital Healthcare Planning estimated volumes.



Percentage Growth in Estimated Visits at 200% FPL 2005 - 2016<sup>(1)</sup>



Absolute Growth in Estimated Visits at 200% FPL 2005 - 2011(1)



Absolute Growth in Estimated Visits at 200% FPL 2005 - 2016(1)

