

Methodist Healthcare Ministries
San Antonio, Texas

Pediatric Subspecialty Physician Needs
Final Full Report

March 5, 2012



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I. Introduction

Project Objectives

- I. To quantify the current and future supply of Pediatric Subspecialists in the San Antonio MSA
 - Determine which Pediatric Subspecialties constitute a full spectrum of comprehensive care
 - Quantify existing and future supply of Pediatric Subspecialists including impact of retirements

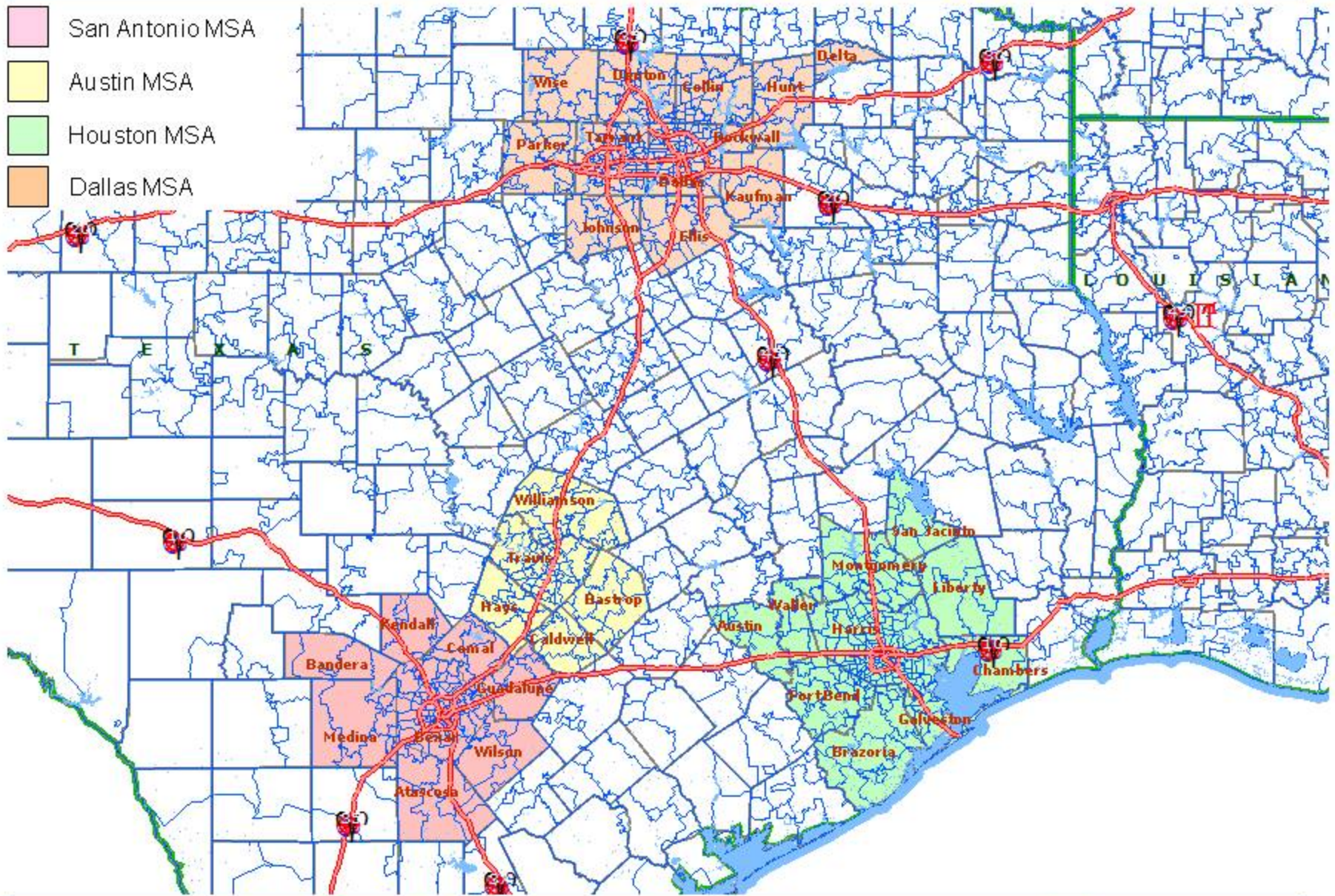
- II. To calculate the current and projected Demand for Pediatric Subspecialists
 - Develop appropriate physician to population benchmarks for each Subspecialty
 - Apply benchmarks to current and future population to determine Physician Demand by Subspecialty

- III. To determine the gap between Supply and Demand for Pediatric Subspecialists
 - Identify which Subspecialties are either not provided or undersupplied in San Antonio thus requiring patients to seek care in other markets (i.e. outmigration) and/or reducing access to care
 - Estimate timing of required additions to supply of Pediatric Subspecialists

I. Introduction

Metropolitan Statistical Area Definitions

- San Antonio MSA
- Austin MSA
- Houston MSA
- Dallas MSA



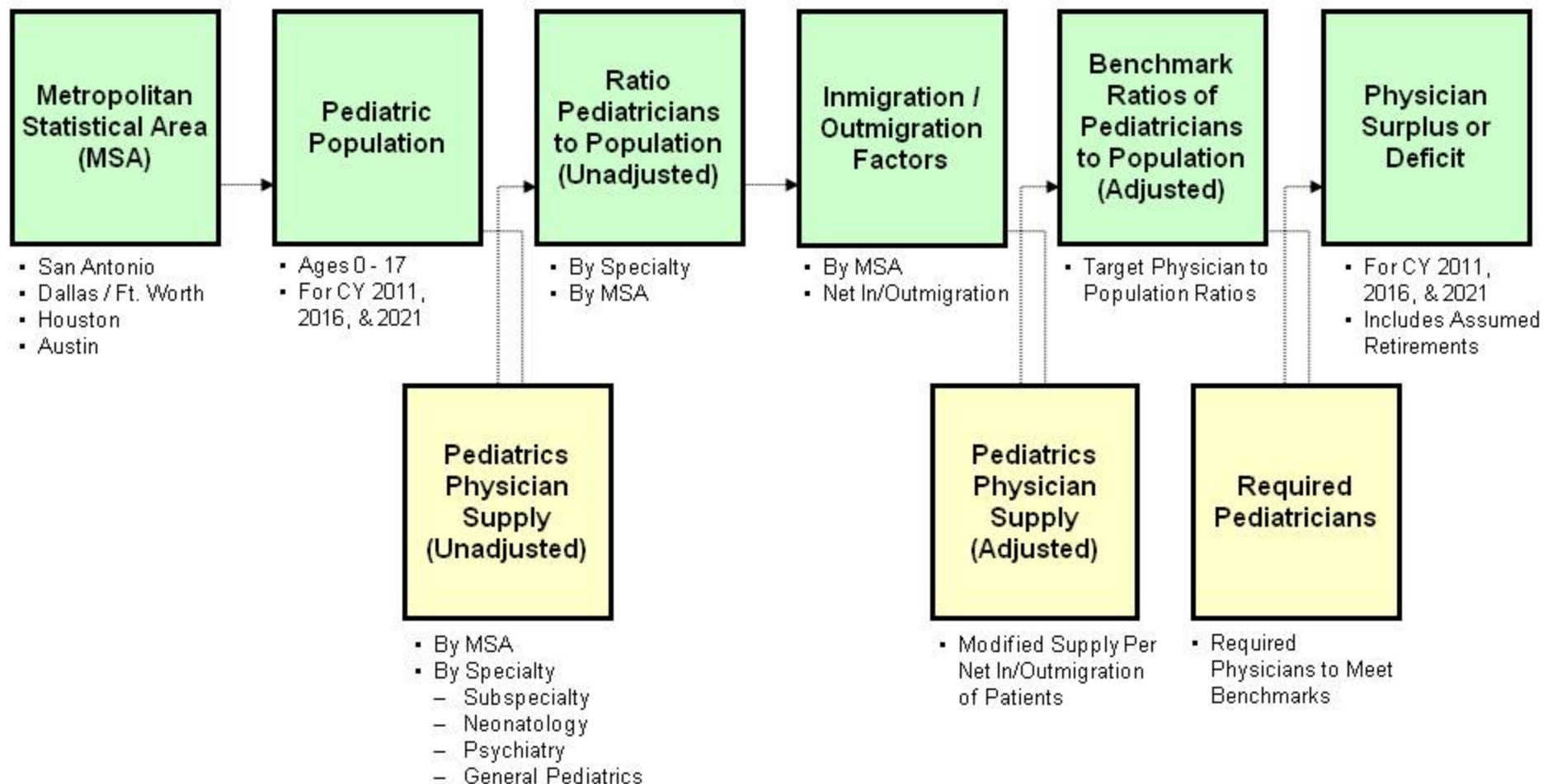
I. Introduction

Process/Approach

- For most specialties, Physician Demand analysis can be based on population and age-specific use rates derived from the National Ambulatory Medical Care Survey (NAMCS), a comprehensive report published by the Centers for Disease Control and Prevention (CDC).
- There are no available recommended Pediatric Subspecialist to population ratios which could be used as benchmarks/targets for San Antonio. Note that during the course of this project, the following organizations were researched on the internet and contacted via telephone, however none provide recommended benchmarks.
 - American Board of Pediatrics
 - American Academy of Pediatrics
 - American Pediatric Surgical Association
 - American Pediatric Society
 - Child Health Corporation of America (formerly NACHRI)
- Because there is insufficient data regarding Pediatric Subspecialists in the NAMCS report, the methodology for this project is based on an analysis of the ratio of physicians to population for Pediatric Subspecialists in markets that are reasonable proxies for the San Antonio MSA.
- Selected MSA's include Austin, Houston, and Dallas / Ft. Worth:
 - Each has significant established Children's Hospitals which provide a broad range of services
 - Each represents an MSA with a population exceeding 1,000,000 lives
 - Data is readily available and complete for Physician Supply, Inpatient Volumes, and Population

I. Introduction

Physician Demand Analysis Approach



I. Introduction

Physician Demand Analysis Approach

- Metropolitan Statistical Area: Defined by zip code 4 major MSA's in Texas
- Pediatric Population: Analyzed 2011, 2016, and 2021 Pediatric age (0– 17) population of each MSA
- Pediatrics Physician Supply (Unadjusted): Determined existing supply of Pediatricians for each MSA
 - Subspecialists
 - Neonatology
 - Psychiatry
 - General Pediatrics
- Ratio Pediatricians to Population (Unadjusted): For each MSA, calculated ratio of Pediatrics Physicians to Population by Specialty
- Inmigration / Outmigration Factors: For each MSA, calculated the net Inmigration or Outmigration of inpatients in order to adjust the effective Ratio of Pediatricians to Population
- Pediatrics Physician Supply (Adjusted): By applying the Inmigration / Outmigration factors, the effective Physician Supply was calculated for each MSA
- Benchmark Ratios of Pediatricians to Population (Adjusted): Revised ratios of Pediatricians to Population were calculated using the Adjusted Pediatric Physician Supply; a Benchmark Ratio was determined using the average ratios of Dallas / Ft. Worth, Houston, and Austin
- Required Physicians: Number of Pediatric Subspecialists was calculated by applying the Benchmark Ratio to the San Antonio MSA population
- Physician Surplus or Deficit: The differences between Supply and Required Physicians was calculated for 2011, 2016, and 2021 to determine the number and mix of Subspecialists required to meet the Benchmark Ratio

I. Introduction

Population & Inpatient Volumes

Population

- Pediatric population in the San Antonio MSA is projected to experience strong growth over the next five and ten year periods:
 - Strong percentage growth projected throughout MSA... highest increase in Bexar County
 - Over 16% growth in the San Antonio MSA (+95,000 lives) between 2011 and 2021

San Antonio Ages 0 - 17 Population	CY 2011	CY 2016	CY 2021	% Increase 2011 - 2016	Variance 2011 - 2016	% Increase 2011 - 2021	Variance 2011 - 2021
Bexar County	478,191	517,549	553,465	8.2%	39,358	15.7%	75,274
San Antonio MSA Excl. Bexar County	110,094	119,107	129,926	8.2%	9,013	18.0%	19,832
Total Ages 0 - 17 Population	588,285	636,656	683,391	8.2%	48,371	16.2%	95,106

Inpatient Volumes


- There were nearly 14,000 Pediatric inpatient discharges from the San Antonio MSA in 2011 (excluding Neonatology and Psychiatric volumes)
- Assuming Use Rates remain constant, inpatient volumes should grow commensurate with population

San Antonio MSA Ped Discharges	Total	Methodist System	CHRISTUS System	Baptist System	UHS	All Others
Bexar County	11,430	4,566	3,946	1,735	679	504
MSA Excluding Bexar County	2,532	717	680	348	136	651
Total Pediatric Discharges	13,962	5,283	4,626	2,083	815	1,155
Market Share	100.0%	37.8%	33.1%	14.9%	5.8%	8.3%

I. Introduction

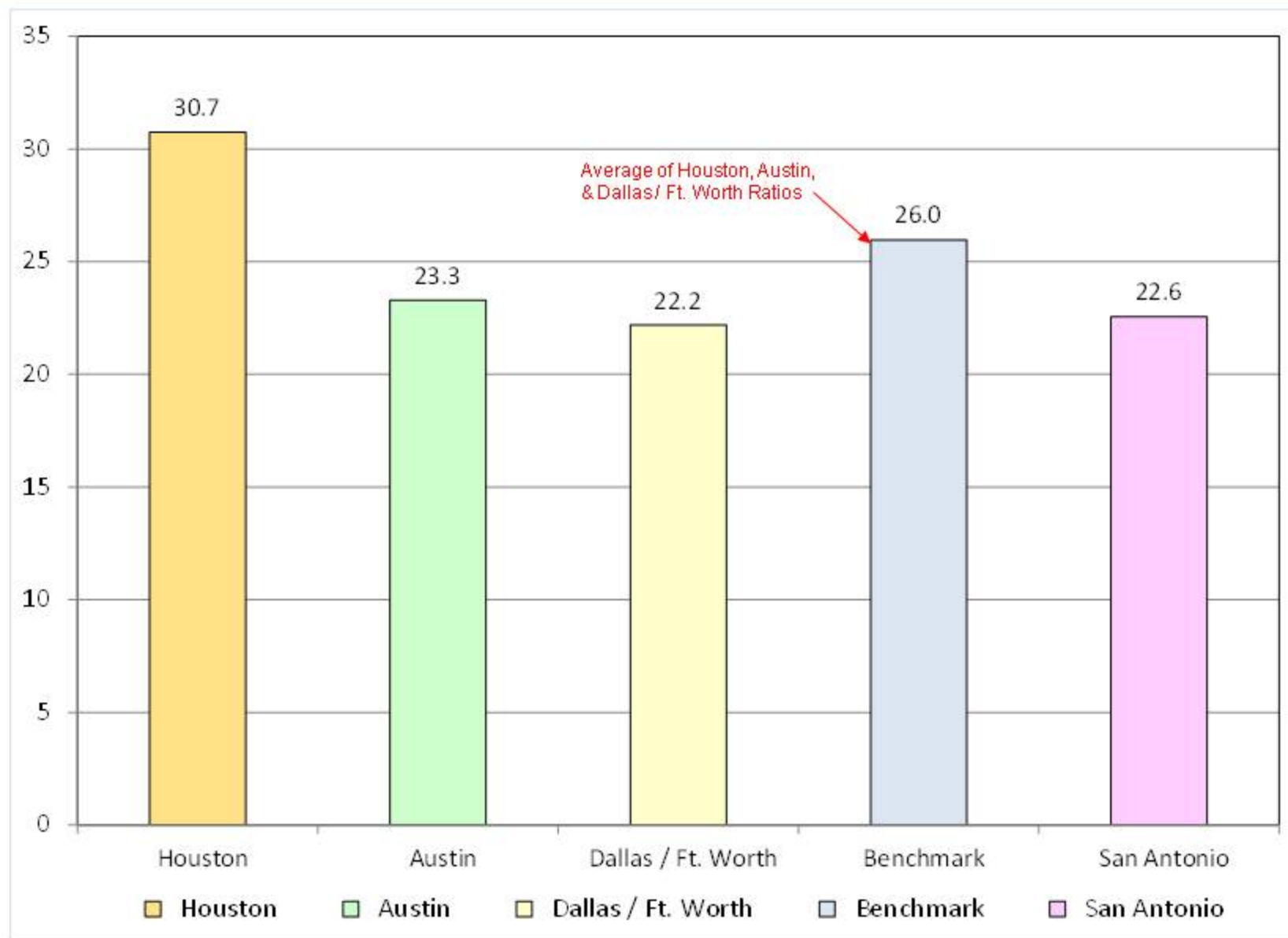
Leading Children's Hospitals Pediatric Subspecialties

Count	Physician Specialties	Children's Hospital of Boston	Children's Hospital of Philadelphia	Texas Children's Hospital	John Hopkins Children's Center	Seattle Children's Hospital	Children's Hospital of Los Angeles	St. Louis Children's Hospital	San Antonio Metropolitan Area
1	Allergy / Immunology	Y	Y	Y	Y	Y	Y	Y	Y
2	Anesthesiology	Y	Y	Y	Y	Y	Y	Y	Y
3	Cardiology	Y	Y	Y	Y	Y	Y	Y	Y
4	Cardiothoracic Surgery	Y	Y	Y	Y	Y	Y	Y	Y
5	Critical Care	Y	Y	Y	Y	Y	Y	Y	Y
6	Dermatology	Y	Y	Y	Y	Y		Y	Y
7	Developmental Pediatrics	Y	Y	Y		Y	Y	Y	Y
8	Emergency Medicine	Y	Y	Y	Y	Y	Y	Y	Y
9	Endocrinology	Y	Y	Y	Y	Y	Y	Y	Y
10	Gastroenterology	Y	Y	Y	Y	Y	Y	Y	Y
11	Genetics	Y	Y	Y	Y	Y	Y	Y	
12	Gynecology			Y		Y		Y	
13	Hematology / Oncology	Y	Y	Y	Y	Y	Y	Y	Y
14	Infectious Diseases	Y	Y	Y	Y	Y	Y	Y	Y
15	Neonatology	Y	Y	Y	Y	Y	Y	Y	Y
16	Nephrology	Y	Y	Y	Y	Y	Y	Y	Y
17	Neurology	Y	Y	Y	Y	Y	Y	Y	Y
18	Neurosurgery	Y	Y	Y	Y	Y	Y	Y	Y
19	Nuclear Medicine					Y			Y
20	Ophthalmology	Y	Y	Y	Y	Y	Y	Y	Y
21	Orthopedics	Y	Y	Y	Y	Y	Y	Y	Y
22	Otolaryngology	Y	Y	Y	Y	Y	Y	Y	Y
23	Pathology	Y	Y	Y		Y	Y		Y
24	PM&R			Y		Y	Y		Y
25	Plastic Surgery	Y	Y	Y	Y	Y	Y	Y	Y
26	Psychiatry	Y	Y	Y	Y	Y	Y	Y	Y
27	Pulmonary Medicine	Y	Y	Y	Y	Y	Y	Y	Y
28	Radiology	Y	Y	Y	Y	Y	Y	Y	Y
29	Rheumatology	Y	Y	Y	Y	Y	Y	Y	Y
30	Sports Medicine			Y				Y	Y
31	Surgery	Y	Y	Y	Y	Y	Y	Y	Y
32	Transplant			Y	Y			Y	
33	Urology	Y	Y	Y	Y	Y	Y	Y	Y

 No Pediatric Subspecialists

I. Introduction

2011 Pediatric Subspecialties Per 100,000 Population by MSA⁽¹⁾⁽²⁾



(1) Note: Excludes Neonatology and Psychiatry

(2) Note: Physician Supply adjusted for Immigration / Outmigration

I. Introduction

2011 Pediatric Subspecialties – Physician Supply & Population Ratios

Count	Pediatric Subspecialties	Pediatric Subspecialists (Adjusted)				Pediatric Subspecialists / 100,000 Population				Benchmark
		Houston	Austin	Dallas / Ft. Worth	San Antonio	Houston	Austin	Dallas / Ft. Worth	San Antonio	
1	Allergy / Immunology	30.9	8.5	15.8	4.0	1.8	1.9	0.9	0.7	1.4
2	Anesthesiology	32.2	4.3	43.2	8.5	1.9	1.0	2.3	1.4	2.0
3	Cardiology	49.3	8.5	40.2	10.4	2.9	1.9	2.2	1.8	2.4
4	Cardiothoracic Surgery	3.3	0.0	1.8	1.7	0.2	0.0	0.1	0.3	0.1
5	Critical Care	31.6	5.0	30.4	13.9	1.8	1.1	1.6	2.4	1.7
6	Dermatology	7.2	2.1	1.2	1.3	0.4	0.5	0.1	0.2	0.3
7	Developmental Pediatrics	7.2	1.4	9.1	3.4	0.4	0.3	0.5	0.6	0.4
8	Emergency Medicine	40.8	13.5	45.0	19.4	2.4	3.0	2.4	3.3	2.5
9	Endocrinology	26.3	5.0	16.4	4.2	1.5	1.1	0.9	0.7	1.2
10	Gastroenterology	25.7	4.3	17.0	5.1	1.5	1.0	0.9	0.9	1.2
11	Genetics	13.8	3.6	8.5	0.0	0.8	0.8	0.5	0.0	0.6
12	Gynecology	0.7	1.4	0.0	0.0	0.0	0.3	0.0	0.0	0.1
13	Hematology / Oncology	65.8	5.0	34.1	5.1	3.8	1.1	1.8	0.9	2.6
14	Infectious Diseases	24.3	3.6	17.6	2.1	1.4	0.8	0.9	0.4	1.1
15	Neonatology	110.6	19.2	99.0	33.2	6.4	4.3	5.3	5.6	5.7
16	Nephrology	16.4	2.1	8.5	4.6	1.0	0.5	0.5	0.8	0.7
17	Neurology	32.2	5.7	25.0	5.9	1.9	1.3	1.3	1.0	1.6
18	Neurosurgery	3.9	1.4	1.8	4.2	0.2	0.3	0.1	0.7	0.2
19	Nuclear Medicine	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	Ophthalmology	8.6	2.8	6.1	2.1	0.5	0.6	0.3	0.4	0.4
21	Orthopedics	9.9	1.4	9.7	5.1	0.6	0.3	0.5	0.9	0.5
22	Otolaryngology	9.9	3.6	9.1	2.5	0.6	0.8	0.5	0.4	0.6
23	Pathology	6.6	2.8	7.9	3.4	0.4	0.6	0.4	0.6	0.4
24	PM&R	4.6	0.7	3.7	1.7	0.3	0.2	0.2	0.3	0.2
25	Plastic Surgery	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2	0.0
26	Psychiatry	145.9	97.4	88.4	34.0	8.5	21.7	4.8	5.8	8.2
27	Pulmonary Medicine	19.7	3.6	12.8	8.0	1.1	0.8	0.7	1.4	0.9
28	Radiology	23.0	4.3	17.0	5.9	1.3	1.0	0.9	1.0	1.1
29	Rheumatology	7.2	2.1	7.3	0.8	0.4	0.5	0.4	0.1	0.4
30	Sports Medicine	3.9	0.0	1.2	0.8	0.2	0.0	0.1	0.1	0.1
31	Surgery	17.8	6.4	16.4	5.1	1.0	1.4	0.9	0.9	1.0
32	Transplant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Urology	5.9	1.4	5.5	2.1	0.3	0.3	0.3	0.4	0.3
	Total	785.9	221.4	600.0	199.9	45.6	49.2	32.3	34.0	39.9
	Total Ex. Psych & Neonatology	529.5	104.7	412.6	132.7	30.7	23.3	22.2	22.6	26.0
	General Pediatrics	813.8	265.5	730.5	221.4	47.3	59.0	39.3	37.6	44.9

I. Introduction

2011 Pediatric Subspecialist Demand Analysis

Count	Pediatric Subspecialties	San Antonio MSA Physician Supply (Adjusted)	San Antonio MSA Physician to Population Ratio	Benchmark Physician to Population Ratio	Required Physicians To Meet Benchmark	San Antonio MSA Physician Surplus/Deficit
1	Allergy / Immunology	4.0	0.7	1.4	8.1	(4.1)
2	Anesthesiology	8.5	1.4	2.0	11.6	(3.2)
3	Cardiology	10.4	1.8	2.4	14.3	(4.0)
4	Cardiothoracic Surgery	1.7	0.3	0.1	0.7	0.9
5	Critical Care	13.9	2.4	1.7	9.8	4.2
6	Dermatology	1.3	0.2	0.3	1.5	(0.3)
7	Developmental Pediatrics	3.4	0.6	0.4	2.6	0.8
8	Emergency Medicine	19.4	3.3	2.5	14.5	4.9
9	Endocrinology	4.2	0.7	1.2	7.0	(2.7)
10	Gastroenterology	5.1	0.9	1.2	6.9	(1.8)
11	Genetics	0.0	0.0	0.6	3.8	(3.8)
12	Gynecology	0.0	0.0	0.1	0.3	(0.3)
13	Hematology / Oncology	5.1	0.9	2.6	15.3	(10.2)
14	Infectious Diseases	2.1	0.4	1.1	6.6	(4.5)
15	Neonatology	33.2	5.6	5.7	33.4	(0.2)
16	Nephrology	4.6	0.8	0.7	4.0	0.7
17	Neurology	5.9	1.0	1.6	9.2	(3.3)
18	Neurosurgery	4.2	0.7	0.2	1.1	3.2
19	Nuclear Medicine	0.0	0.0	0.0	0.1	(0.1)
20	Ophthalmology	2.1	0.4	0.4	2.6	(0.4)
21	Orthopedics	5.1	0.9	0.5	3.1	2.0
22	Otolaryngology	2.5	0.4	0.6	3.3	(0.8)
23	Pathology	3.4	0.6	0.4	2.5	0.9
24	PM&R	1.7	0.3	0.2	1.3	0.4
25	Plastic Surgery	1.3	0.2	0.0	0.0	1.3
26	Psychiatry	34.0	5.8	8.2	48.4	(14.4)
27	Pulmonary Medicine	8.0	1.4	0.9	5.3	2.8
28	Radiology	5.9	1.0	1.1	6.5	(0.6)
29	Rheumatology	0.8	0.1	0.4	2.4	(1.6)
30	Sports Medicine	0.8	0.1	0.1	0.8	0.1
31	Surgery	5.1	0.9	1.0	5.9	(0.9)
32	Transplant	0.0	0.0	0.0	0.0	0.0
33	Urology	2.1	0.4	0.3	1.9	0.2
	Total	199.9	34.0	39.9	234.6	(34.7)
	Total Excluding Psych & Neonat.	132.7	22.6	26.0	152.8	(20.1)
	General Pediatrics	221.4	37.6	44.9	264.1	(42.7)

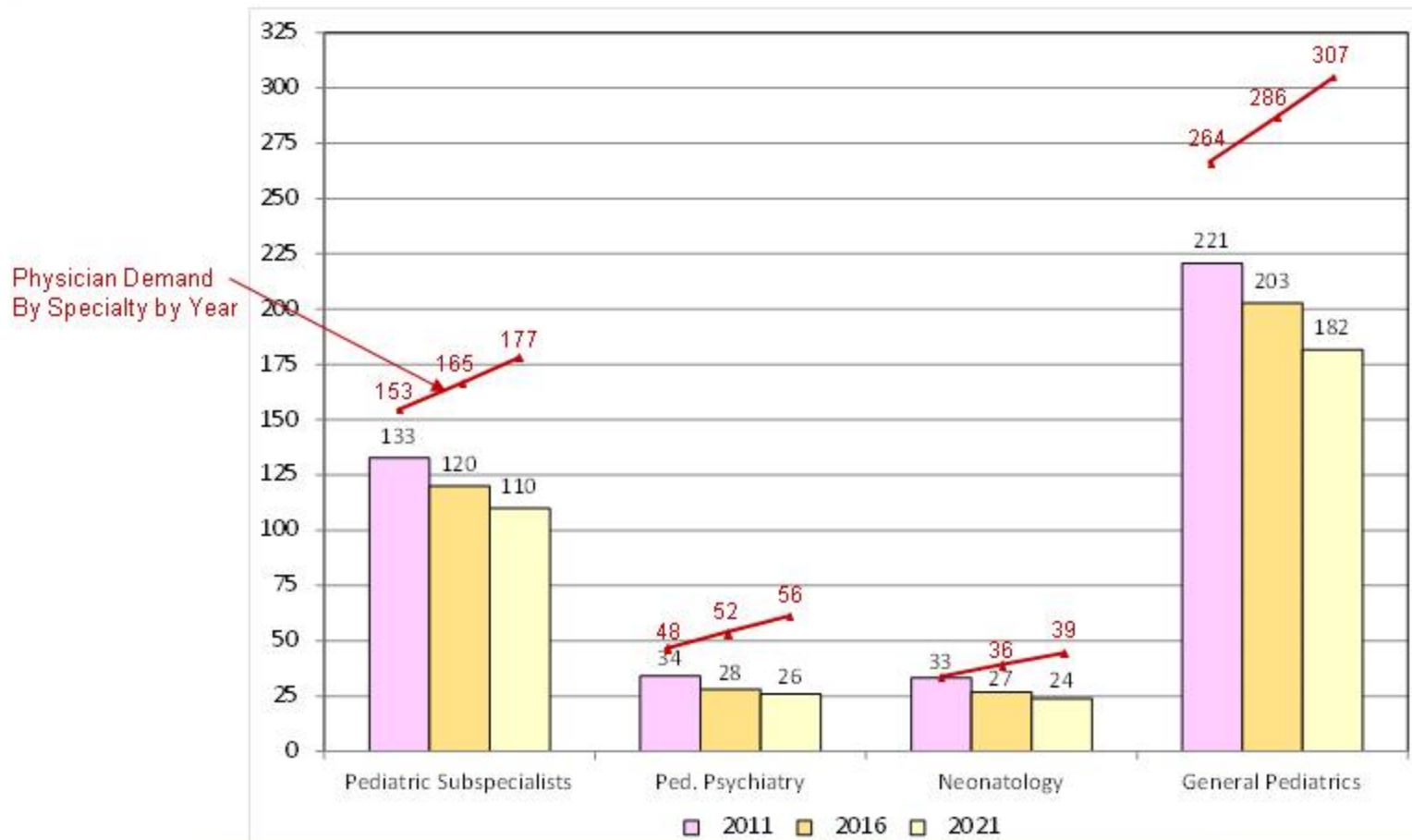
I. Introduction

2011 Pediatric Subspecialist Demand Analysis

- Demand Analysis indicates a current deficit of approximately 20 Pediatric Subspecialists and 43 General Pediatricians in the San Antonio MSA... this deficit is expected to increase substantially in the coming years due to physician retirements and increased demand (see following pages)
- Physician Surplus or Deficit calculations based on a quantitative analysis, however appear to be in agreement with general qualitative perceptions
- Subspecialties with a current deficit of at least 1.0 physicians include:
 - Allergy / Immunology – Gastroenterology – Neurology
 - Anesthesiology – Genetics – Psychiatry
 - Cardiology – Hematology/Oncology – Rheumatology
 - Endocrinology – Infectious Diseases
- Discrepancies between the quantitative model and qualitative perceptions may be due to:
 - Incorrect categorization of Pediatric Subspecialties in Benchmark MSA's
 - Adequate services provided by physicians not included in analysis (e.g. Radiology, Gynecology)
- Notes:
 - Table of Pediatric Subspecialists reflects the most current information available, however Physician Supply in any large market is subject to constant change due primarily to recruitment, relocations, and retirements.
 - Considerable overlap exists between patients treated by General Pediatrics and Family Practice physicians which were not analyzed as part of this project

I. Introduction

San Antonio Pediatric Specialists – Supply vs. Demand by Year⁽¹⁾



	Physician Supply			Physician Demand			Surplus / Deficit		
	2011	2016	2021	2011	2016	2021	2011	2016	2021
Pediatric Subspecialists	133	120	110	153	165	177	(20)	(45)	(68)
Ped. Psychiatry	34	28	26	48	52	56	(14)	(24)	(30)
Neonatology	33	27	24	33	36	39	(0)	(9)	(15)
General Pediatrics	221	203	182	264	286	307	(43)	(83)	(125)
Total	421	378	341	499	540	579	(77)	(162)	(238)

(1) Note: Physician Supply adjusted for Immigration / Outmigration

(2) Note: Future Physician Supply assumes retirement at age 70

I. Introduction

Summary

- Note that the analysis contained in this report is necessarily high level in nature due to:
 - Lack of Definitive Recommended Pediatric Subspecialist to Population Benchmarks
 - Difficulties in Classification of Pediatricians by Subspecialty
 - Overlap of Physician Practice Patterns
 - Absence of Physician Productivity Data
- Despite these limitations, this analysis provides clear quantitative evidence of a need in the San Antonio MSA for additional Pediatric Subspecialists

II. Pediatric Subspecialist Supply Analysis

Process/Approach

- Researched and summarized the full spectrum of Pediatric Subspecialists that are provided at leading Children's Hospitals across the United States
 - All are "Top 10 Children's Hospitals" per US News & World Report
 - Conducted web-based research supplemented by telephone calls to develop list
- Determined Pediatric Subspecialists practicing in the San Antonio MSA... sources included:
 - Texas Board of Medical Examiners (BOMEX)
 - Methodist Healthcare System Database
 - Internet/Website Research
- Reviewed preliminary list of Pediatric Subspecialists incorporating:
 - Actual vs. Listed Subspecialty
 - Recent or Planned Relocations
 - Full Time Equivalent (FTE) Estimates

II. Pediatric Subspecialist Supply Analysis

Leading Children's Hospitals Pediatric Subspecialties

Count	Physician Specialties	Children's Hospital of Boston	Children's Hospital of Philadelphia	Texas Children's Hospital	John Hopkins Children's Center	Seattle Children's Hospital	Children's Hospital of Los Angeles	St. Louis Children's Hospital	San Antonio Metropolitan Area
1	Allergy / Immunology	Y	Y	Y	Y	Y	Y	Y	Y
2	Anesthesiology	Y	Y	Y	Y	Y	Y	Y	Y
3	Cardiology	Y	Y	Y	Y	Y	Y	Y	Y
4	Cardiothoracic Surgery	Y	Y	Y	Y	Y	Y	Y	Y
5	Critical Care	Y	Y	Y	Y	Y	Y	Y	Y
6	Dermatology	Y	Y	Y	Y	Y		Y	Y
7	Developmental Pediatrics	Y	Y	Y		Y	Y	Y	Y
8	Emergency Medicine	Y	Y	Y	Y	Y	Y	Y	Y
9	Endocrinology	Y	Y	Y	Y	Y	Y	Y	Y
10	Gastroenterology	Y	Y	Y	Y	Y	Y	Y	Y
11	Genetics	Y	Y	Y	Y	Y	Y	Y	
12	Gynecology			Y		Y		Y	
13	Hematology / Oncology	Y	Y	Y	Y	Y	Y	Y	Y
14	Infectious Diseases	Y	Y	Y	Y	Y	Y	Y	Y
15	Neonatology	Y	Y	Y	Y	Y	Y	Y	Y
16	Nephrology	Y	Y	Y	Y	Y	Y	Y	Y
17	Neurology	Y	Y	Y	Y	Y	Y	Y	Y
18	Neurosurgery	Y	Y	Y	Y	Y	Y	Y	Y
19	Nuclear Medicine					Y			Y
20	Ophthalmology	Y	Y	Y	Y	Y	Y	Y	Y
21	Orthopedics	Y	Y	Y	Y	Y	Y	Y	Y
22	Otolaryngology	Y	Y	Y	Y	Y	Y	Y	Y
23	Pathology	Y	Y	Y		Y	Y		Y
24	PM&R			Y		Y	Y		Y
25	Plastic Surgery	Y	Y	Y	Y	Y	Y	Y	Y
26	Psychiatry	Y	Y	Y	Y	Y	Y	Y	Y
27	Pulmonary Medicine	Y	Y	Y	Y	Y	Y	Y	Y
28	Radiology	Y	Y	Y	Y	Y	Y	Y	Y
29	Rheumatology	Y	Y	Y	Y	Y	Y	Y	Y
30	Sports Medicine			Y				Y	Y
31	Surgery	Y	Y	Y	Y	Y	Y	Y	Y
32	Transplant			Y	Y			Y	
33	Urology	Y	Y	Y	Y	Y	Y	Y	Y

 No Pediatric Subspecialists

II. Pediatric Subspecialist Supply Analysis

Leading Children's Hospitals Pediatric Subspecialties

Objectives

- To identify Pediatric Subspecialties that would constitute a complete spectrum of care

Process

- Conducted website and telephone research of Pediatric Subspecialists practicing at leading Children's Hospitals across the country
- Assigned physicians listed as practicing at these Children's Hospitals into 33 consistent categories
- Note: Table indicates Pediatric Subspecialists, not clinical programs... the absence of Pediatric Subspecialists does not necessarily imply related services are not provided
- Applied Subspecialty groupings to Physician Supply in San Antonio as well as benchmark Metropolitan Statistical Areas (i.e. Dallas/Ft. Worth, Austin, and Houston)

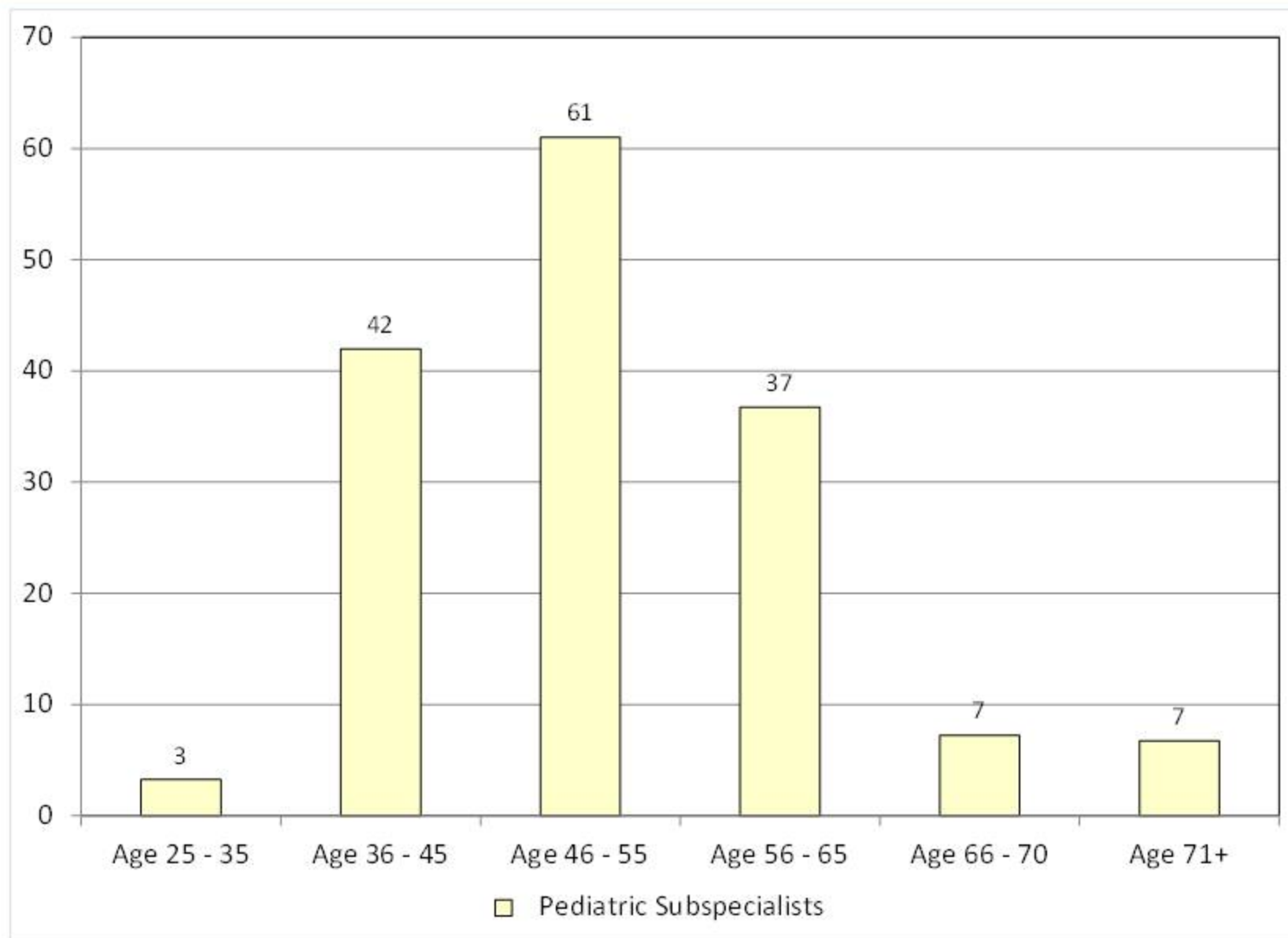
II. Pediatric Subspecialist Supply Analysis

2011 Pediatric Subspecialties – Physician Supply & Age Distribution

		2011 San Antonio MSA Physicians by Age Cohort and Subspecialty							
Count	Pediatric Subspecialty	Age 25 - 35	Age 36 - 45	Age 46 - 55	Age 56 - 65	Age 66 - 70	Age 71+	Subtotal	Adjusted for In/Outmigration
1	Allergy / Immunology	0.0	1.0	1.5	1.0	0.5	0.8	4.8	4.0
2	Anesthesiology	0.0	4.0	4.0	2.0	0.0	0.0	10.0	8.5
3	Cardiology	0.0	3.5	3.5	2.0	2.5	0.8	12.3	10.4
4	Cardiothoracic Surgery	0.0	0.0	1.0	1.0	0.0	0.0	2.0	1.7
5	Critical Care	1.0	7.8	7.3	0.5	0.0	0.0	16.5	13.9
6	Dermatology	0.0	1.0	0.0	0.5	0.0	0.0	1.5	1.3
7	Developmental Pediatrics	0.0	0.5	2.0	1.5	0.0	0.0	4.0	3.4
8	Emergency Medicine	0.0	5.0	10.0	6.0	1.0	1.0	23.0	19.4
9	Endocrinology	1.3	1.0	0.3	2.3	0.0	0.3	5.0	4.2
10	Gastroenterology	0.0	2.0	4.0	0.0	0.0	0.0	6.0	5.1
11	Genetics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Gynecology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Hematology / Oncology	0.0	2.3	1.0	2.5	0.3	0.0	6.0	5.1
14	Infectious Diseases	0.0	0.0	1.0	1.5	0.0	0.0	2.5	2.1
15	Neonatology	0.0	5.0	17.0	7.0	4.0	3.0	36.0	33.2
16	Nephrology	0.0	2.0	1.0	1.0	1.5	0.0	5.5	4.6
17	Neurology	0.0	1.0	1.0	2.0	1.0	2.0	7.0	5.9
18	Neurosurgery	0.0	1.0	3.0	1.0	0.0	0.0	5.0	4.2
19	Nuclear Medicine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	Ophthalmology	0.0	0.0	2.0	0.5	0.0	0.0	2.5	2.1
21	Orthopedics	0.0	1.0	5.0	0.0	0.0	0.0	6.0	5.1
22	Otolaryngology	0.0	0.0	0.0	3.0	0.0	0.0	3.0	2.5
23	Pathology	0.0	0.0	2.0	1.0	0.0	1.0	4.0	3.4
24	PM&R	0.0	0.0	1.0	1.0	0.0	0.0	2.0	1.7
25	Plastic Surgery	0.0	0.5	1.0	0.0	0.0	0.0	1.5	1.3
26	Psychiatry	0.0	13.0	24.0	15.0	8.0	3.0	63.0	34.0
27	Pulmonary Medicine	0.0	4.0	2.0	2.5	0.0	1.0	9.5	8.0
28	Radiology	1.0	1.0	3.0	2.0	0.0	0.0	7.0	5.9
29	Rheumatology	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.8
30	Sports Medicine	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.8
31	Surgery	0.0	2.0	3.0	1.0	0.0	0.0	6.0	5.1
32	Transplant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Urology	0.0	1.5	0.5	0.0	0.5	0.0	2.5	2.1
	Total	3.3	60.0	102.0	58.8	19.3	12.8	256.0	199.9
	Total Ex. Psych & Neonat.	3.3	42.0	61.0	36.8	7.3	6.8	157.0	132.7
	General Pediatrics	26.0	79.0	75.0	60.0	14.0	8.0	262.0	221.4

II. Pediatric Subspecialist Supply Analysis

2011 Pediatric Subspecialties – Physician Supply & Age Distribution⁽¹⁾⁽²⁾

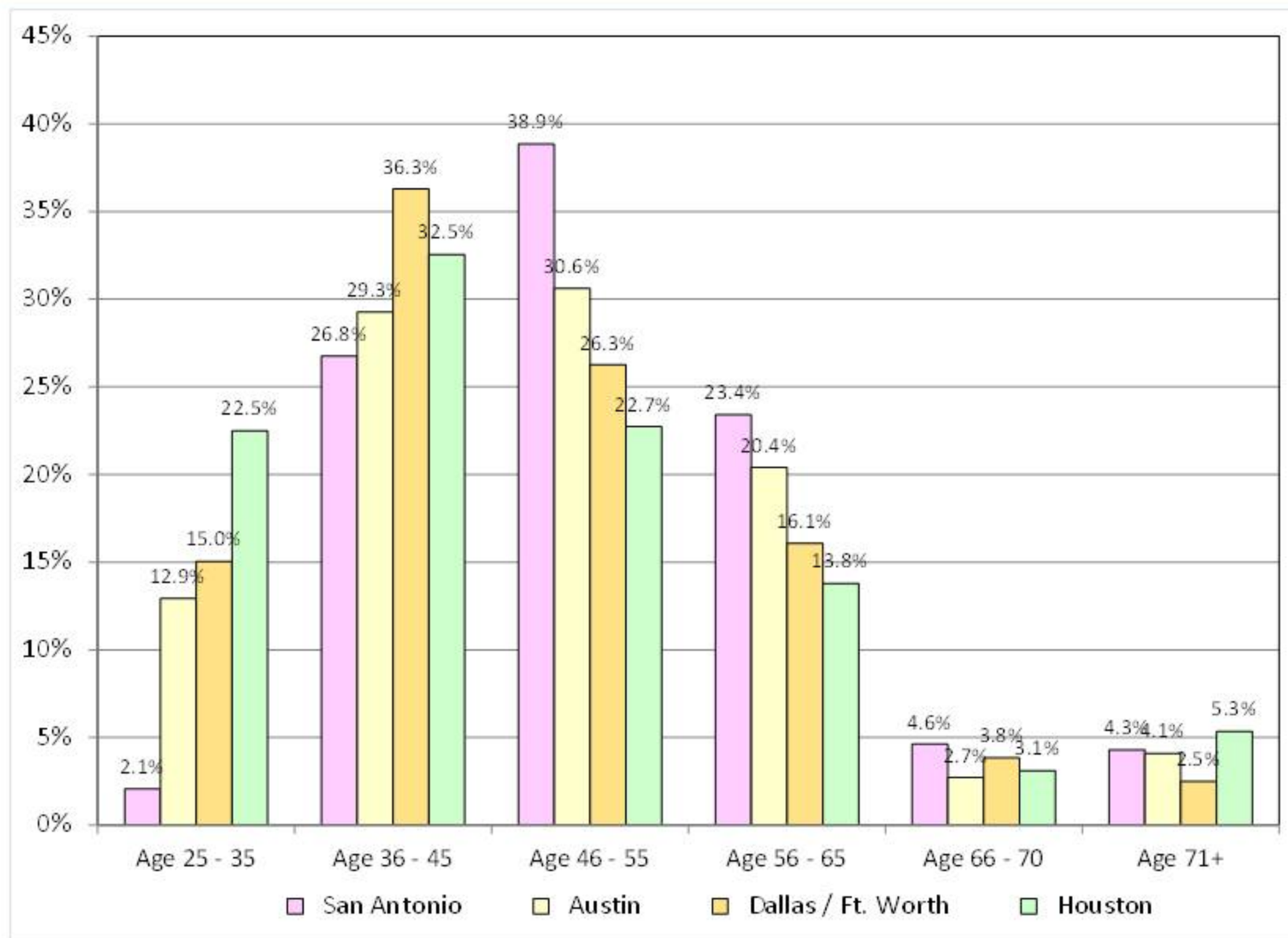


(1) Note: Excludes Neonatology and Psychiatry

(2) Note: Physician Supply adjusted for Immigration / Outmigration

II. Pediatric Subspecialist Supply Analysis

2011 Pediatric Subspecialties – Physician Supply & Age Distribution⁽¹⁾⁽²⁾

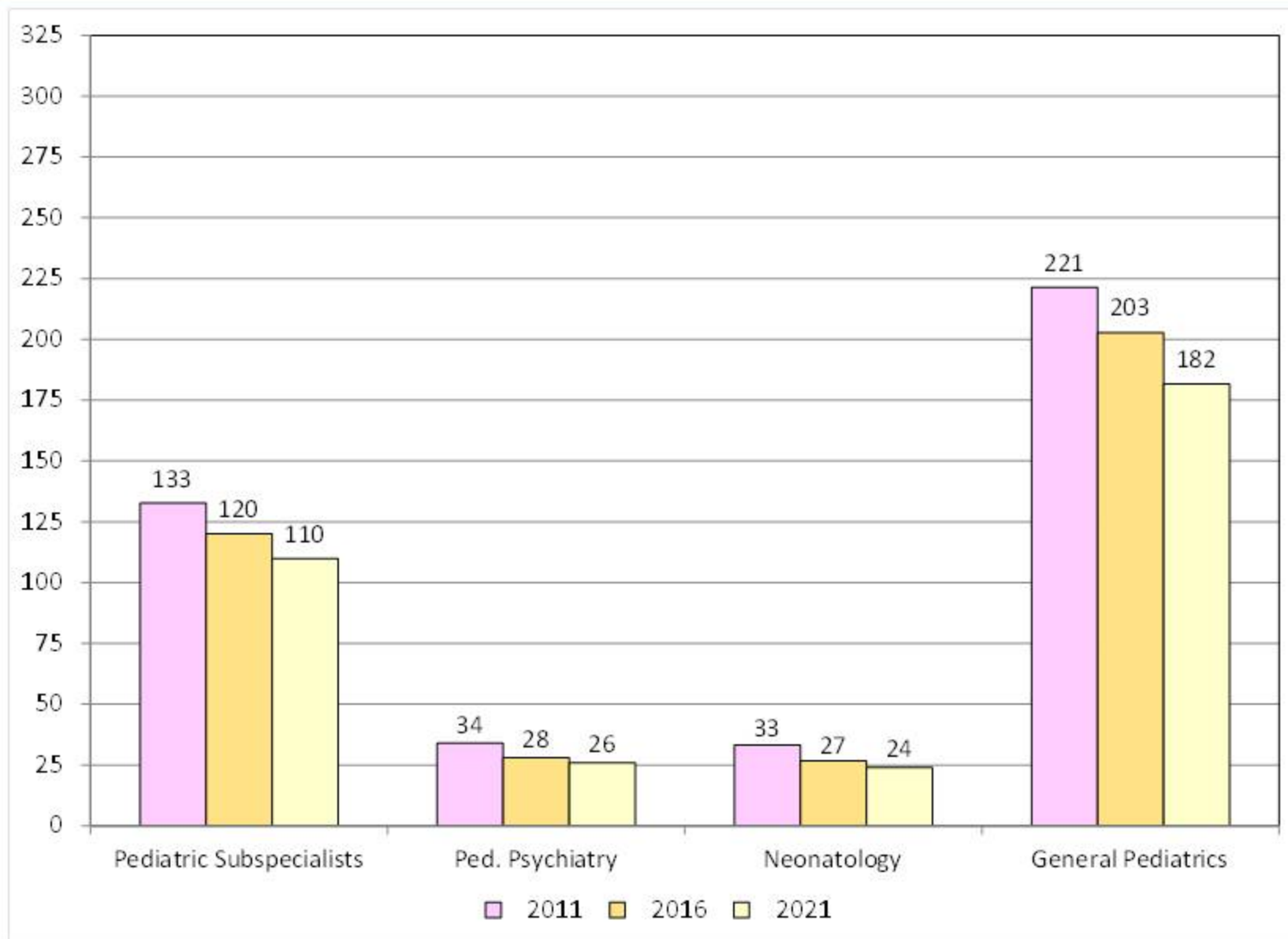


(1) Note: Excludes Neonatology and Psychiatry

(2) Note: Physician Supply adjusted for Immigration / Outmigration

II. Pediatric Subspecialist Supply Analysis

San Antonio MSA Pediatric Specialists Supply by Year⁽¹⁾⁽²⁾



(1) Note: Physician Supply adjusted for Immigration / Outmigration

(2) Note: Future Physician Supply assumes retirement at age 70

II. Pediatric Subspecialist Supply Analysis

2010 Bexar County Pediatric Discharges by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS Santa Rosa Central	Baptist System	North Central Baptist	Baptist Medical Center	St Luke's Baptist	University Health System	Southwest General	All Others
CARDIOLOGY	188	69	68	0	93	91	2	10	9	0	1	3	2	11
DENTISTRY	41	19	19	0	12	11	0	4	4	0	0	5	0	1
DERMATOLOGY	607	292	287	1	229	224	2	63	59	1	2	15	2	6
ENDOCRINE	453	112	111	0	236	221	13	75	68	0	0	11	2	17
GASTROENTEROLOGY	861	430	425	0	255	243	8	134	132	1	0	17	3	22
GENERAL MEDICINE	724	299	293	0	234	192	33	108	95	6	2	39	7	37
GENERAL SURGERY	1,011	342	326	6	417	383	25	147	125	5	3	59	13	33
GYNECOLOGY	104	38	36	2	43	40	1	14	12	0	1	7	1	1
HEMATOLOGY	282	104	104	0	154	153	0	18	17	1	0	4	1	1
NEONATOLOGY	4,153	1,530	0	530	465	320	106	1,455	461	250	328	345	328	30
NEPHROLOGY	292	106	104	1	129	124	1	44	42	1	0	11	0	2
NEUROLOGY	752	288	287	0	196	191	2	91	91	0	0	141	0	36
NEUROSURGERY	175	56	52	4	71	68	0	0	0	0	0	31	0	17
NORMAL NEWBORNS	20,160	7,100	3,791	2,751	1,877	148	1,152	7,398	2,517	1,064	2,459	2,251	1,438	96
OB/DELIVERY	1,167	388	124	258	170	0	141	341	42	110	109	99	164	5
ONCOLOGY MEDICAL	238	86	86	0	130	129	0	2	1	0	0	3	0	17
OPEN HEART	83	31	31	0	51	51	0	0	0	0	0	0	0	1
OPHTHALMOLOGY	100	41	41	0	29	27	0	9	9	0	0	19	0	2
ORTHOPEDICS	465	121	117	1	193	191	1	61	58	0	0	63	3	24
OTHER OB	150	41	14	24	25	3	18	40	5	13	7	12	28	4
OTOLARYNGOLOGY	613	280	278	0	229	223	1	66	85	0	0	12	0	6
PSYCH/DRUG ABUSE	2,705	9	8	0	7	7	0	2	2	0	0	2	0	2,685
PULMONARY	2,674	1,307	1,305	0	850	803	3	454	451	1	1	43	1	19
RHEUMATOLOGY	26	11	9	1	9	9	0	3	3	0	0	3	0	0
SPINE	118	31	29	1	73	73	0	3	2	1	0	8	0	3
THORACIC SURGERY	103	50	50	0	33	32	1	9	8	0	0	4	1	6
TRAUMA	84	4	4	0	5	5	0	4	4	0	0	69	0	2
UROLOGY	113	16	13	2	79	76	1	15	14	0	0	1	0	2
VASCULAR SURGERY	6	4	4	0	1	1	0	0	0	0	0	0	0	1
Total	38,448	13,205	8,016	3,582	6,295	4,039	1,511	10,590	4,316	1,454	2,911	3,277	1,994	3,087
Excl. Normal Newborns	18,288	6,105	4,225	831	4,418	3,891	359	3,192	1,799	390	452	1,026	556	2,991
Excl. Neonat. & Psych	11,430	4,566	4,217	301	3,946	3,564	253	1,735	1,336	140	126	679	228	276

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

2010 Bexar County Pediatric Market Share by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS Santa Rosa Central	Baptist System	North Central Baptist	Baptist Medical Center	St Luke's Baptist	University Health System	Southwest General	All Others
CARDIOLOGY	188	36.7%	36.2%	0.0%	49.5%	48.4%	1.1%	5.3%	4.8%	0.0%	0.5%	1.6%	1.1%	5.9%
DENTISTRY	41	46.3%	46.3%	0.0%	29.3%	26.8%	0.0%	9.8%	9.8%	0.0%	0.0%	12.2%	0.0%	2.4%
DERMATOLOGY	607	48.1%	47.3%	0.2%	37.7%	36.9%	0.3%	10.4%	9.7%	0.2%	0.3%	2.5%	0.3%	1.0%
ENDOCRINE	453	24.7%	24.5%	0.0%	52.1%	48.8%	2.9%	16.6%	15.0%	0.0%	0.0%	2.4%	0.4%	3.8%
GASTROENTEROLOGY	881	49.9%	49.4%	0.0%	29.6%	28.2%	0.9%	15.6%	15.3%	0.1%	0.0%	2.0%	0.3%	2.6%
GENERAL MEDICINE	724	41.3%	40.5%	0.0%	32.3%	26.5%	4.6%	14.9%	13.1%	0.8%	0.3%	5.4%	1.0%	5.1%
GENERAL SURGERY	1,011	33.8%	32.2%	0.6%	41.2%	37.9%	2.5%	14.5%	12.4%	0.5%	0.3%	5.8%	1.3%	3.3%
GYNECOLOGY	104	36.5%	34.6%	1.9%	41.3%	38.5%	1.0%	13.5%	11.5%	0.0%	1.0%	6.7%	1.0%	1.0%
HEMATOLOGY	282	36.9%	36.9%	0.0%	54.6%	54.3%	0.0%	6.4%	6.0%	0.4%	0.0%	1.4%	0.4%	0.4%
NEONATOLOGY	4,153	36.8%	0.0%	12.8%	11.2%	7.7%	2.6%	35.0%	11.1%	6.0%	7.8%	8.3%	7.9%	0.7%
NEPHROLOGY	292	36.3%	35.6%	0.3%	44.2%	42.5%	0.3%	15.1%	14.4%	0.3%	0.0%	3.8%	0.0%	0.7%
NEUROLOGY	752	38.3%	38.2%	0.0%	26.1%	25.4%	0.3%	12.1%	12.1%	0.0%	0.0%	18.8%	0.0%	4.8%
NEUROSURGERY	175	32.0%	29.7%	2.3%	40.6%	38.9%	0.0%	0.0%	0.0%	0.0%	0.0%	17.7%	0.0%	9.7%
NORMAL NEWBORNS	20,160	35.2%	18.8%	13.6%	9.3%	0.7%	5.7%	36.7%	12.5%	5.3%	12.2%	11.2%	7.1%	0.5%
OB/DELIVERY	1,167	33.2%	10.6%	22.1%	14.6%	0.0%	12.1%	29.2%	3.6%	9.4%	9.3%	8.5%	14.1%	0.4%
ONCOLOGY MEDICAL	238	36.1%	36.1%	0.0%	54.6%	54.2%	0.0%	0.8%	0.4%	0.0%	0.0%	1.3%	0.0%	7.1%
OPEN HEART	83	37.3%	37.3%	0.0%	61.4%	61.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%
OPHTHALMOLOGY	100	41.0%	41.0%	0.0%	29.0%	27.0%	0.0%	9.0%	9.0%	0.0%	0.0%	19.0%	0.0%	2.0%
ORTHOPEDICS	465	26.0%	25.2%	0.2%	41.5%	41.1%	0.2%	13.1%	12.5%	0.0%	0.0%	13.5%	0.6%	5.2%
OTHER OB	150	27.3%	9.3%	16.0%	16.7%	2.0%	12.0%	26.7%	3.3%	8.7%	4.7%	8.0%	18.7%	2.7%
OTOLARYNGOLOGY	613	45.7%	45.4%	0.0%	37.4%	36.4%	0.2%	14.0%	13.9%	0.0%	0.0%	2.0%	0.0%	1.0%
PSYCH/DRUG ABUSE	2,705	0.3%	0.3%	0.0%	0.3%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.1%	0.0%	99.3%
PULMONARY	2,674	48.9%	48.8%	0.0%	31.8%	30.0%	0.1%	17.0%	16.9%	0.0%	0.0%	1.6%	0.0%	0.7%
RHEUMATOLOGY	26	42.3%	34.6%	3.8%	34.6%	34.6%	0.0%	11.5%	11.5%	0.0%	0.0%	11.5%	0.0%	0.0%
SPINE	118	26.3%	24.6%	0.8%	61.9%	61.9%	0.0%	2.5%	1.7%	0.8%	0.0%	6.8%	0.0%	2.5%
THORACIC SURGERY	103	48.5%	48.5%	0.0%	32.0%	31.1%	1.0%	8.7%	7.8%	0.0%	0.0%	3.9%	1.0%	5.8%
TRAUMA	84	4.8%	4.8%	0.0%	6.0%	6.0%	0.0%	4.8%	4.8%	0.0%	0.0%	82.1%	0.0%	2.4%
UROLOGY	113	14.2%	11.5%	1.8%	69.9%	67.3%	0.9%	13.3%	12.4%	0.0%	0.0%	0.9%	0.0%	1.8%
VASCULAR SURGERY	6	66.7%	66.7%	0.0%	16.7%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7%
Total	38,448	34.3%	20.8%	9.3%	16.4%	10.5%	3.9%	27.5%	11.2%	3.8%	7.6%	8.5%	5.2%	8.0%
Excl. Normal Newborns	18,288	33.4%	23.1%	4.5%	24.2%	21.3%	2.0%	17.5%	9.8%	2.1%	2.5%	5.6%	3.0%	16.4%
Excl. Neonat. & Psych	11,430	39.9%	36.9%	2.6%	34.5%	31.2%	2.2%	15.2%	11.7%	1.2%	1.1%	5.9%	2.0%	2.4%

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

2010 MSA Excl. Bexar County Pediatric Discharges by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS New Braunfels	Baptist System	North Central Baptist	St Luke's Baptist	South Texas Regional Medical Center	Guadalupe Regional	University Health System	All Others
CARDIOLOGY	45	29	29	0	11	10	1	3	3	0	0	0	1	1
DENTISTRY	20	2	2	0	0	0	0	1	1	0	16	0	1	0
DERMATOLOGY	125	38	38	0	28	21	7	19	19	0	20	0	7	13
ENDOCRINE	102	27	27	0	50	40	10	15	15	0	2	4	0	4
GASTROENTEROLOGY	229	71	70	0	58	52	2	33	33	0	36	4	4	23
GENERAL MEDICINE	141	39	39	0	42	25	16	25	24	0	6	14	9	6
GENERAL SURGERY	231	78	72	0	65	48	17	23	20	0	6	32	10	17
GYNECOLOGY	24	1	1	0	11	10	1	3	3	0	6	0	1	2
HEMATOLOGY	47	24	24	0	17	16	1	3	3	0	0	0	2	1
NEONATOLOGY	672	204	0	26	147	70	63	178	98	21	16	26	35	66
NEPHROLOGY	76	17	16	0	26	16	10	14	14	0	4	6	0	9
NEUROLOGY	188	47	47	0	33	28	4	21	21	0	36	6	25	20
NEUROSURGERY	46	16	16	0	11	11	0	0	0	0	0	0	11	8
NORMAL NEWBORNS	4,046	821	490	210	827	18	720	1,051	584	219	166	520	112	529
OB/DELIVERY	219	39	14	20	40	0	32	24	2	14	12	64	7	33
ONCOLOGY MEDICAL	58	24	24	0	32	32	0	0	0	0	0	0	0	2
OPEN HEART	16	5	5	0	11	11	0	0	0	0	0	0	0	0
OPHTHALMOLOGY	15	4	4	0	3	2	1	1	1	0	2	0	4	1
ORTHOPEDICS	134	27	26	1	39	33	5	17	17	0	28	4	11	8
OTHER OB	30	10	5	4	2	0	2	3	1	2	6	2	1	6
OTOLARYNGOLOGY	126	44	44	0	29	25	4	18	18	0	20	8	2	5
PSYCH/DRUG ABUSE	549	1	1	0	0	0	0	2	2	0	0	0	0	546
PULMONARY	543	155	154	0	128	104	24	114	114	0	24	40	10	72
RHEUMATOLOGY	6	3	3	0	3	3	0	0	0	0	0	0	0	0
SPINE	27	5	5	0	13	13	0	3	3	0	0	0	2	4
THORACIC SURGERY	19	4	4	0	8	8	0	2	2	0	0	0	2	3
TRAUMA	30	0	0	0	1	0	1	2	2	0	0	2	24	1
UROLOGY	33	7	6	0	16	16	0	4	4	0	0	0	2	2
VASCULAR SURGERY	2	1	1	0	1	1	0	0	0	0	0	0	0	0
Total	7,799	1,743	1,167	261	1,654	615	921	1,579	1,004	256	426	732	283	1,382
Excl. Normal Newborns	3,753	922	677	51	827	597	201	528	420	37	240	212	171	853
Excl. Neonat. & Psych	2,532	717	676	25	680	527	138	348	320	16	224	196	136	241

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

2010 MSA Excl. Bexar County Pediatric Market Share by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS New Braunfels	Baptist System	North Central Baptist	St Luke's Baptist	South Texas Regional Medical Center	Guadalupe Regional	University Health System	All Others
CARDIOLOGY	45	64.4%	64.4%	0.0%	24.4%	22.2%	2.2%	6.7%	6.7%	0.0%	0.0%	0.0%	2.2%	2.2%
DENTISTRY	20	10.0%	10.0%	0.0%	0.0%	0.0%	0.0%	5.0%	5.0%	0.0%	80.0%	0.0%	5.0%	0.0%
DERMATOLOGY	125	30.4%	30.4%	0.0%	22.4%	16.8%	5.6%	15.2%	15.2%	0.0%	16.0%	0.0%	5.6%	10.4%
ENDOCRINE	102	26.5%	26.5%	0.0%	49.0%	39.2%	9.8%	14.7%	14.7%	0.0%	2.0%	3.9%	0.0%	3.9%
GASTROENTEROLOGY	229	31.0%	30.6%	0.0%	25.3%	22.7%	0.9%	14.4%	14.4%	0.0%	15.7%	1.7%	1.7%	10.0%
GENERAL MEDICINE	141	27.7%	27.7%	0.0%	29.8%	17.7%	11.3%	17.7%	17.0%	0.0%	4.3%	9.9%	6.4%	4.3%
GENERAL SURGERY	231	33.8%	31.2%	0.0%	28.1%	20.8%	7.4%	10.0%	8.7%	0.0%	2.6%	13.9%	4.3%	7.4%
GYNECOLOGY	24	4.2%	4.2%	0.0%	45.8%	41.7%	4.2%	12.5%	12.5%	0.0%	25.0%	0.0%	4.2%	8.3%
HEMATOLOGY	47	51.1%	51.1%	0.0%	36.2%	34.0%	2.1%	6.4%	6.4%	0.0%	0.0%	0.0%	4.3%	2.1%
NEONATOLOGY	672	30.4%	0.0%	3.9%	21.9%	10.4%	9.4%	26.5%	14.6%	3.1%	2.4%	3.9%	5.2%	9.8%
NEPHROLOGY	76	22.4%	21.1%	0.0%	34.2%	21.1%	13.2%	18.4%	18.4%	0.0%	5.3%	7.9%	0.0%	11.8%
NEUROLOGY	188	25.0%	25.0%	0.0%	17.6%	14.9%	2.1%	11.2%	11.2%	0.0%	19.1%	3.2%	13.3%	10.6%
NEUROSURGERY	46	34.8%	34.8%	0.0%	23.9%	23.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.9%	17.4%
NORMAL NEWBORNS	4,046	20.3%	12.1%	5.2%	20.4%	0.4%	17.8%	26.0%	14.4%	5.4%	4.6%	12.9%	2.8%	13.1%
OB/DELIVERY	219	17.6%	6.4%	9.1%	18.3%	0.0%	14.6%	11.0%	0.9%	6.4%	5.5%	29.2%	3.2%	15.1%
ONCOLOGY MEDICAL	58	41.4%	41.4%	0.0%	55.2%	55.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
OPEN HEART	16	31.3%	31.3%	0.0%	68.8%	68.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OPHTHALMOLOGY	15	26.7%	26.7%	0.0%	20.0%	13.3%	6.7%	6.7%	6.7%	0.0%	13.3%	0.0%	26.7%	6.7%
ORTHOPEDICS	134	20.1%	19.4%	0.7%	29.1%	24.6%	3.7%	12.7%	12.7%	0.0%	20.9%	3.0%	8.2%	6.0%
OTHER OB	30	33.3%	16.7%	13.3%	6.7%	0.0%	6.7%	10.0%	3.3%	6.7%	20.0%	6.7%	3.3%	20.0%
OTOLARYNGOLOGY	126	34.9%	34.9%	0.0%	23.0%	19.8%	3.2%	14.3%	14.3%	0.0%	15.9%	6.3%	1.6%	4.0%
PSYCH/DRUG ABUSE	549	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	99.5%
PULMONARY	543	28.5%	28.4%	0.0%	23.6%	19.2%	4.4%	21.0%	21.0%	0.0%	4.4%	7.4%	1.8%	13.3%
RHEUMATOLOGY	6	50.0%	50.0%	0.0%	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SPINE	27	18.5%	18.5%	0.0%	48.1%	48.1%	0.0%	11.1%	11.1%	0.0%	0.0%	0.0%	7.4%	14.8%
THORACIC SURGERY	19	21.1%	21.1%	0.0%	42.1%	42.1%	0.0%	10.5%	10.5%	0.0%	0.0%	0.0%	10.5%	15.8%
TRAUMA	30	0.0%	0.0%	0.0%	3.3%	0.0%	3.3%	6.7%	6.7%	0.0%	0.0%	6.7%	80.0%	3.3%
UROLOGY	33	21.2%	18.2%	0.0%	54.5%	54.5%	0.0%	12.1%	12.1%	0.0%	0.0%	0.0%	6.1%	6.1%
VASCULAR SURGERY	2	50.0%	50.0%	0.0%	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	7,799	22.3%	15.0%	3.3%	21.2%	7.9%	11.8%	20.2%	12.9%	3.3%	5.5%	9.4%	3.6%	17.7%
Excl. Normal Newborns	3,753	24.6%	18.0%	1.4%	22.0%	15.9%	5.4%	14.1%	11.2%	1.0%	6.4%	5.6%	4.6%	22.7%
Excl. Neonat. & Psych	2,532	28.3%	26.7%	1.0%	26.9%	20.8%	5.5%	13.7%	12.6%	0.6%	8.8%	7.3%	5.4%	9.5%

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

2010 Total Service Area Pediatric Discharges by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS Santa Rosa Central	Baptist System	North Central Baptist	Baptist Medical Center	University Health System	Southwest General	South Texas Regional Medical Center	All Others
CARDIOLOGY	233	98	97	0	104	101	2	13	12	0	4	2	0	12
DENTISTRY	61	21	21	0	12	11	0	5	5	0	6	0	16	1
DERMATOLOGY	732	330	325	1	257	245	2	82	78	1	22	2	22	17
ENDOCRINE	555	139	138	0	286	261	13	90	83	0	11	2	2	25
GASTROENTEROLOGY	1,090	501	495	0	313	295	8	167	165	1	21	4	40	44
GENERAL MEDICINE	865	338	332	0	276	217	34	133	119	7	48	7	6	57
GENERAL SURGERY	1,242	420	398	6	482	431	25	170	145	5	69	13	6	82
GYNECOLOGY	128	39	37	2	54	50	1	17	15	0	8	1	6	3
HEMATOLOGY	329	128	128	0	171	169	0	21	20	1	6	1	0	2
NEONATOLOGY	4,825	1,734	0	566	612	390	118	1,833	559	257	380	350	16	100
NEPHROLOGY	368	123	120	1	155	140	1	58	56	1	11	1	4	16
NEUROLOGY	940	335	334	0	229	219	3	112	112	0	166	0	36	62
NEUROSURGERY	221	72	68	4	82	79	0	0	0	0	42	0	0	25
NORMAL NEWBORNS	24,206	7,921	4,281	2,961	2,704	166	1,222	8,449	3,101	1,114	2,363	1,604	200	966
OB/DELIVERY	1,366	427	138	278	210	0	148	365	44	111	106	173	14	91
ONCOLOGY MEDICAL	296	110	110	0	162	161	0	2	1	0	3	0	2	17
OPEN HEART	99	36	36	0	62	62	0	0	0	0	0	0	0	1
OPHTHALMOLOGY	115	45	45	0	32	29	0	10	10	0	23	0	2	3
ORTHOPEDECS	599	148	143	2	232	224	2	78	75	0	74	3	30	34
OTHER OB	180	51	19	28	27	3	18	43	6	13	13	31	6	9
OTOLARYNGOLOGY	739	324	322	0	258	248	1	104	103	0	14	0	24	15
PSYCH/DRUG ABUSE	3,254	10	9	0	7	7	0	4	4	0	2	0	0	3,231
PULMONARY	3,217	1,462	1,459	0	978	907	3	568	565	1	53	1	24	131
RHEUMATOLOGY	32	14	12	1	12	12	0	3	3	0	3	0	0	0
SPINE	145	36	34	1	86	86	0	6	5	1	10	0	0	7
THORACIC SURGERY	122	54	54	0	41	40	1	11	10	0	6	1	0	9
TRAUMA	114	4	4	0	6	5	0	6	6	0	93	0	0	5
UROLOGY	146	23	19	2	97	94	1	19	18	0	3	0	0	4
VASCULAR SURGERY	8	5	5	0	2	2	0	0	0	0	0	0	0	1
Total	46,247	14,948	9,183	3,843	7,949	4,654	1,603	12,169	5,320	1,513	3,560	2,196	456	4,969
Excl. Normal Newborns	22,041	7,027	4,902	882	5,245	4,488	381	3,720	2,219	399	1,197	592	256	4,004
Excl. Neonat. & Psych	13,962	5,283	4,893	326	4,626	4,091	263	2,083	1,656	142	815	242	240	673

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

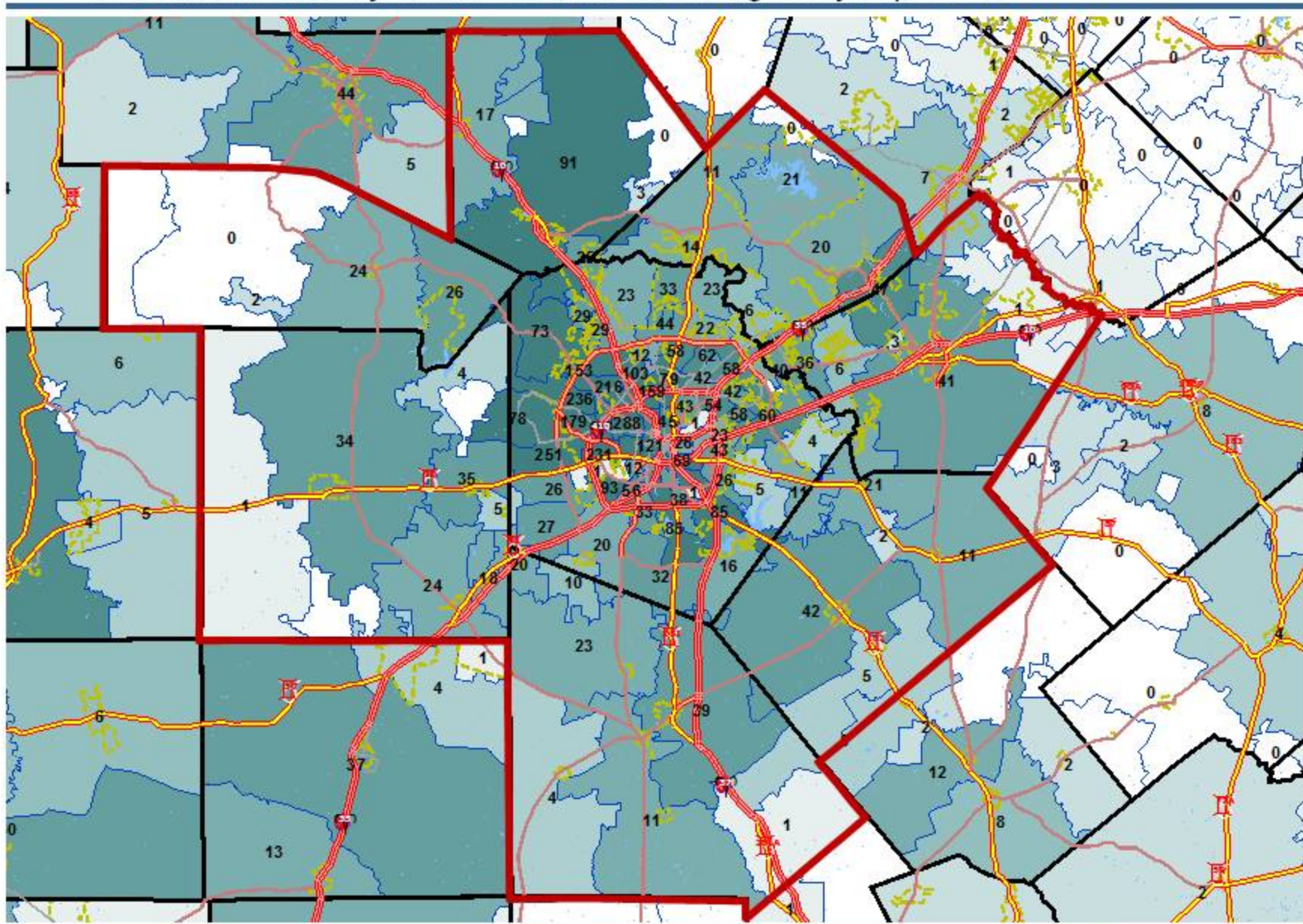
2010 Total Service Area Pediatric Market Share by Hospital⁽¹⁾

Service Line	Total	Methodist System	Methodist Children's	Metropolitan	Christus System	CHRISTUS Children's	CHRISTUS Santa Rosa Central	Baptist System	North Central Baptist	Baptist Medical Center	University Health System	Southwest General	South Texas Regional Medical Center	All Others
CARDIOLOGY	233	42.1%	41.6%	0.0%	44.6%	43.3%	0.9%	5.6%	5.2%	0.0%	1.7%	0.9%	0.0%	5.2%
DENTISTRY	61	34.4%	34.4%	0.0%	19.7%	18.0%	0.0%	8.2%	8.2%	0.0%	9.8%	0.0%	26.2%	1.6%
DERMATOLOGY	732	45.1%	44.4%	0.1%	35.1%	33.5%	0.3%	11.2%	10.7%	0.1%	3.0%	0.3%	3.0%	2.3%
ENDOCRINE	555	25.0%	24.9%	0.0%	51.5%	47.0%	2.3%	16.2%	15.0%	0.0%	2.0%	0.4%	0.4%	4.5%
GASTROENTEROLOGY	1,090	46.0%	45.4%	0.0%	28.7%	27.1%	0.7%	15.3%	15.1%	0.1%	1.9%	0.4%	3.7%	4.0%
GENERAL MEDICINE	865	39.1%	38.4%	0.0%	31.9%	25.1%	3.9%	15.4%	13.8%	0.8%	5.5%	0.8%	0.7%	6.6%
GENERAL SURGERY	1,242	33.8%	32.0%	0.5%	38.8%	34.7%	2.0%	13.7%	11.7%	0.4%	5.6%	1.0%	0.5%	6.6%
GYNECOLOGY	128	30.5%	28.9%	1.6%	42.2%	39.1%	0.8%	13.3%	11.7%	0.0%	6.3%	0.8%	4.7%	2.3%
HEMATOLOGY	329	38.9%	38.9%	0.0%	52.0%	51.4%	0.0%	6.4%	6.1%	0.3%	1.8%	0.3%	0.0%	0.6%
NEONATOLOGY	4,825	35.9%	0.0%	11.8%	12.7%	8.1%	2.4%	33.8%	11.6%	5.3%	7.9%	7.3%	0.3%	2.1%
NEPHROLOGY	368	33.4%	32.6%	0.3%	42.1%	38.0%	0.3%	15.8%	15.2%	0.3%	3.0%	0.3%	1.1%	4.3%
NEUROLOGY	940	35.6%	35.5%	0.0%	24.4%	23.3%	0.3%	11.9%	11.9%	0.0%	17.7%	0.0%	3.8%	6.6%
NEUROSURGERY	221	32.6%	30.8%	1.8%	37.1%	35.7%	0.0%	0.0%	0.0%	0.0%	19.0%	0.0%	0.0%	11.3%
NORMAL NEWBORNS	24,206	32.7%	17.7%	12.2%	11.2%	0.7%	5.0%	34.9%	12.8%	4.6%	9.8%	6.6%	0.8%	4.0%
OB/DELIVERY	1,386	30.8%	10.0%	20.1%	15.2%	0.0%	10.7%	26.3%	3.2%	8.0%	7.6%	12.5%	1.0%	6.6%
ONCOLOGY MEDICAL	296	37.2%	37.2%	0.0%	54.7%	54.4%	0.0%	0.7%	0.3%	0.0%	1.0%	0.0%	0.7%	5.7%
OPEN HEART	99	36.4%	36.4%	0.0%	62.6%	62.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%
OPHTHALMOLOGY	115	39.1%	39.1%	0.0%	27.8%	25.2%	0.0%	8.7%	8.7%	0.0%	20.0%	0.0%	1.7%	2.6%
ORTHOPEDICS	599	24.7%	23.9%	0.3%	38.7%	37.4%	0.3%	13.0%	12.5%	0.0%	12.4%	0.5%	5.0%	5.7%
OTHER OB	180	28.3%	10.6%	15.6%	15.0%	1.7%	10.0%	23.9%	3.3%	7.2%	7.2%	17.2%	3.3%	5.0%
OTOLARYNGOLOGY	739	43.6%	43.6%	0.0%	34.9%	33.6%	0.1%	14.1%	13.9%	0.0%	1.9%	0.0%	3.2%	2.0%
PSYCH/DRUG ABUSE	3,254	0.3%	0.3%	0.0%	0.2%	0.2%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	99.3%
PULMONARY	3,217	45.4%	45.4%	0.0%	30.4%	28.2%	0.1%	17.7%	17.6%	0.0%	1.6%	0.0%	0.7%	4.1%
RHEUMATOLOGY	32	43.8%	37.5%	3.1%	37.5%	37.5%	0.0%	9.4%	9.4%	0.0%	9.4%	0.0%	0.0%	0.0%
SPINE	145	24.8%	23.4%	0.7%	59.3%	59.3%	0.0%	4.1%	3.4%	0.7%	6.9%	0.0%	0.0%	4.8%
THORACIC SURGERY	122	44.3%	44.3%	0.0%	33.6%	32.6%	0.8%	9.0%	8.2%	0.0%	4.9%	0.8%	0.0%	7.4%
TRAUMA	114	3.5%	3.5%	0.0%	5.3%	4.4%	0.0%	5.3%	5.3%	0.0%	81.6%	0.0%	0.0%	4.4%
UROLOGY	146	15.8%	13.0%	1.4%	66.4%	64.4%	0.7%	13.0%	12.3%	0.0%	2.1%	0.0%	0.0%	2.7%
VASCULAR SURGERY	8	62.5%	62.5%	0.0%	25.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
Total	46,247	32.3%	19.9%	8.3%	17.2%	10.1%	3.5%	26.3%	11.5%	3.3%	7.7%	4.7%	1.0%	10.7%
Excl. Normal Newborns	22,041	31.9%	22.2%	4.0%	23.8%	20.4%	1.7%	16.9%	10.1%	1.8%	5.4%	2.7%	1.2%	18.2%
Excl. Neonat. & Psych	13,962	37.8%	35.0%	2.3%	33.1%	29.3%	1.9%	14.9%	11.9%	1.0%	5.8%	1.7%	1.7%	4.8%

(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

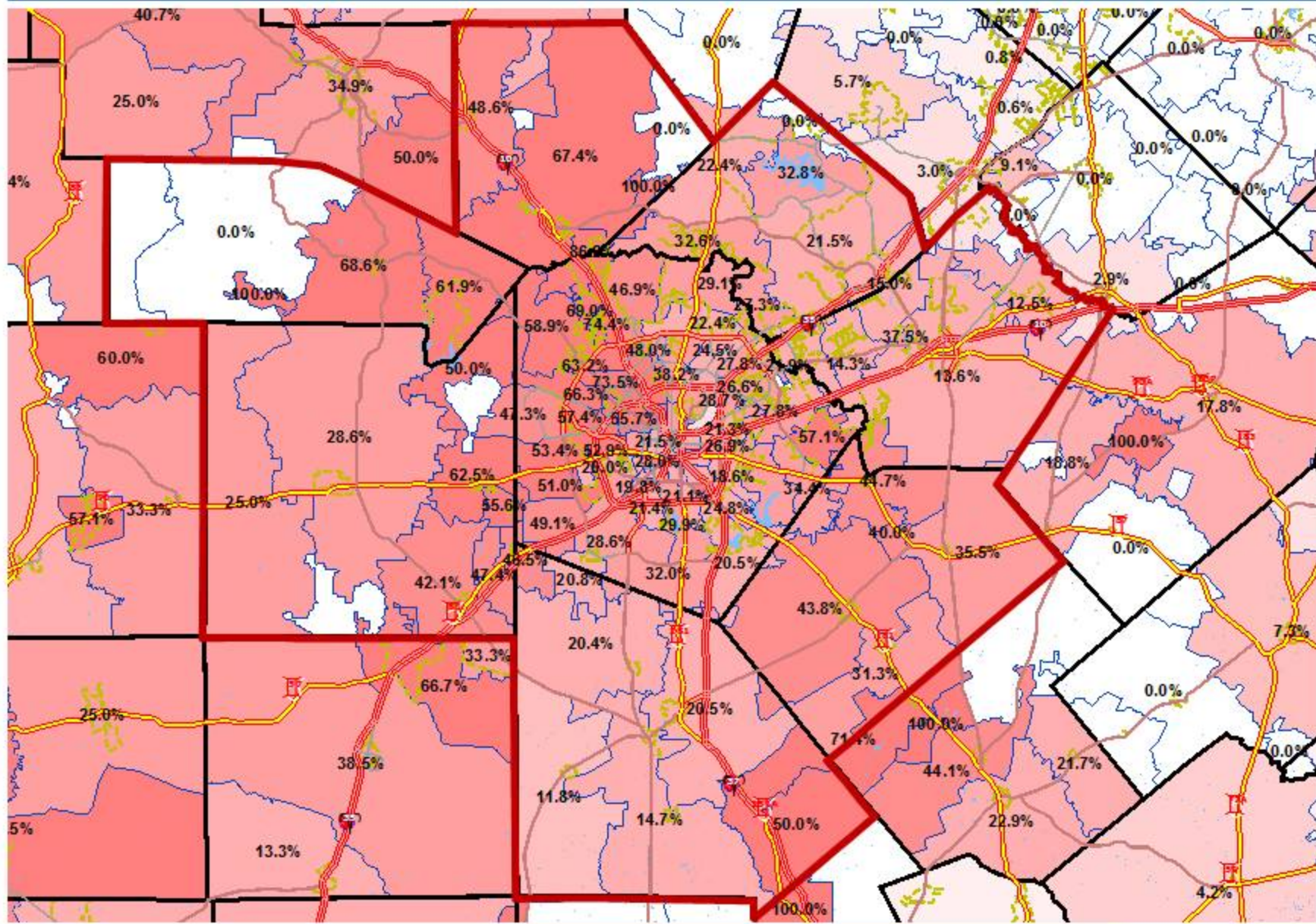
2010 Methodist System Pediatric Discharges by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

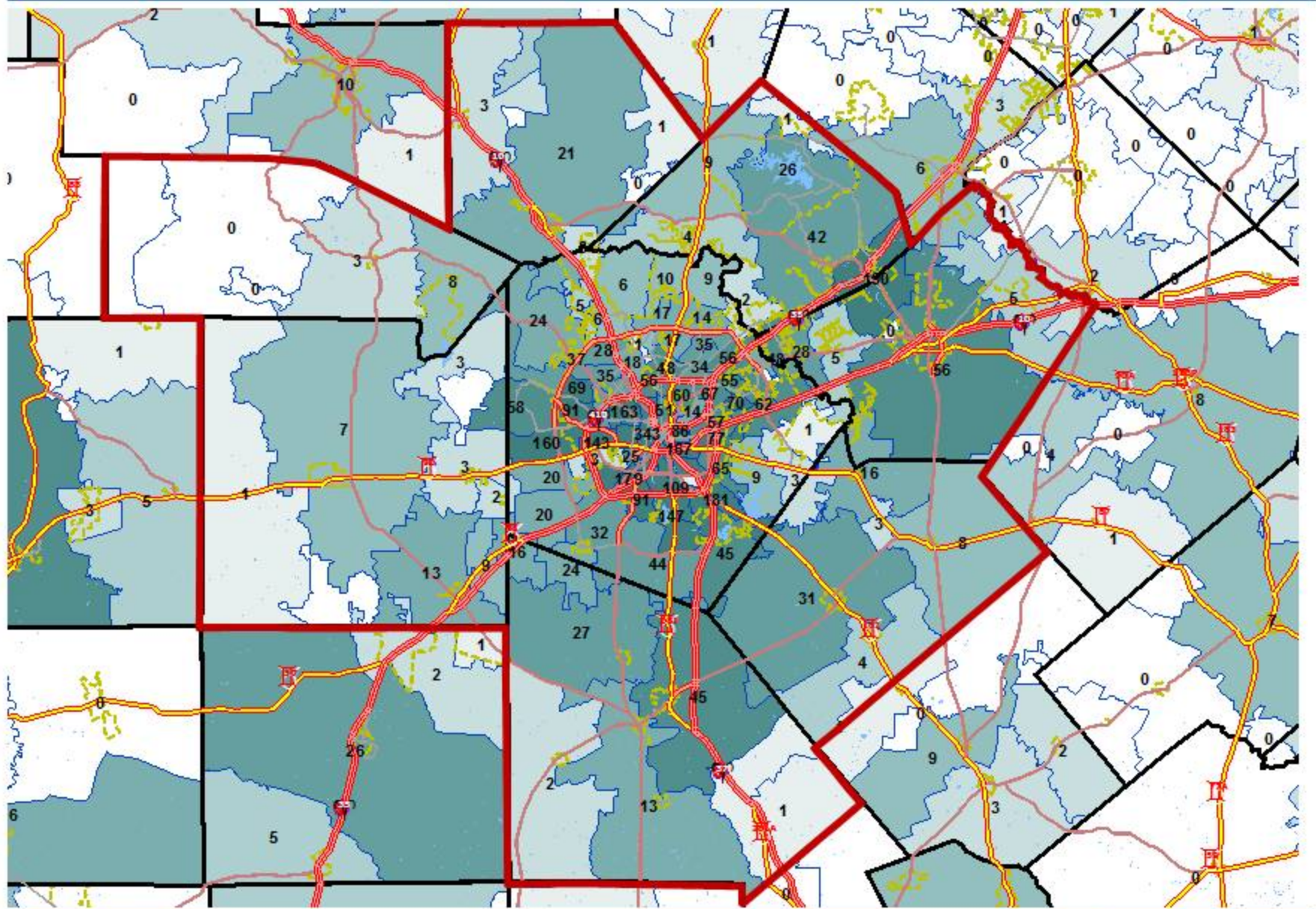
2010 Methodist System Pediatric Market Share by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

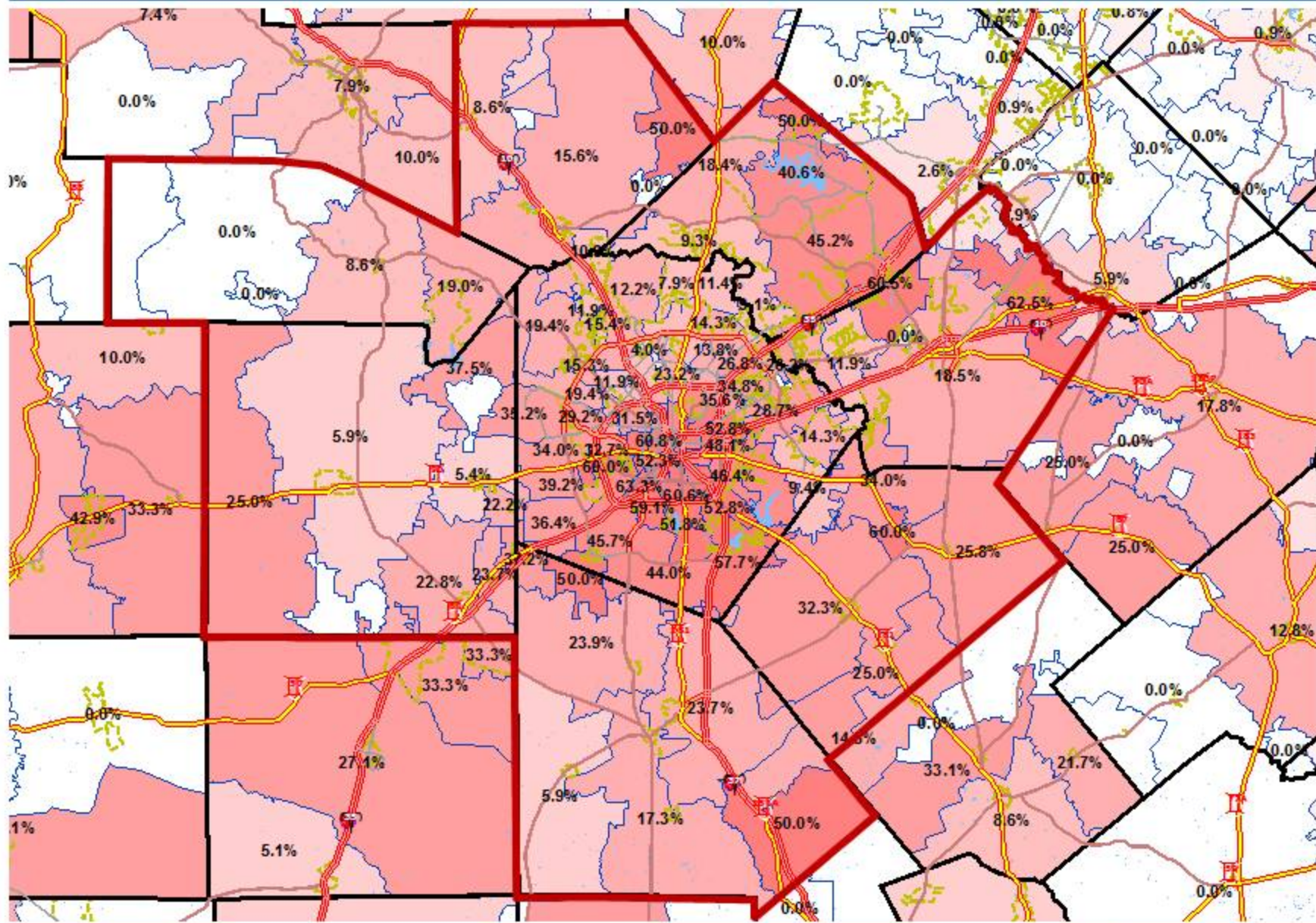
2010 CHRISTUS System Pediatric Discharges by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

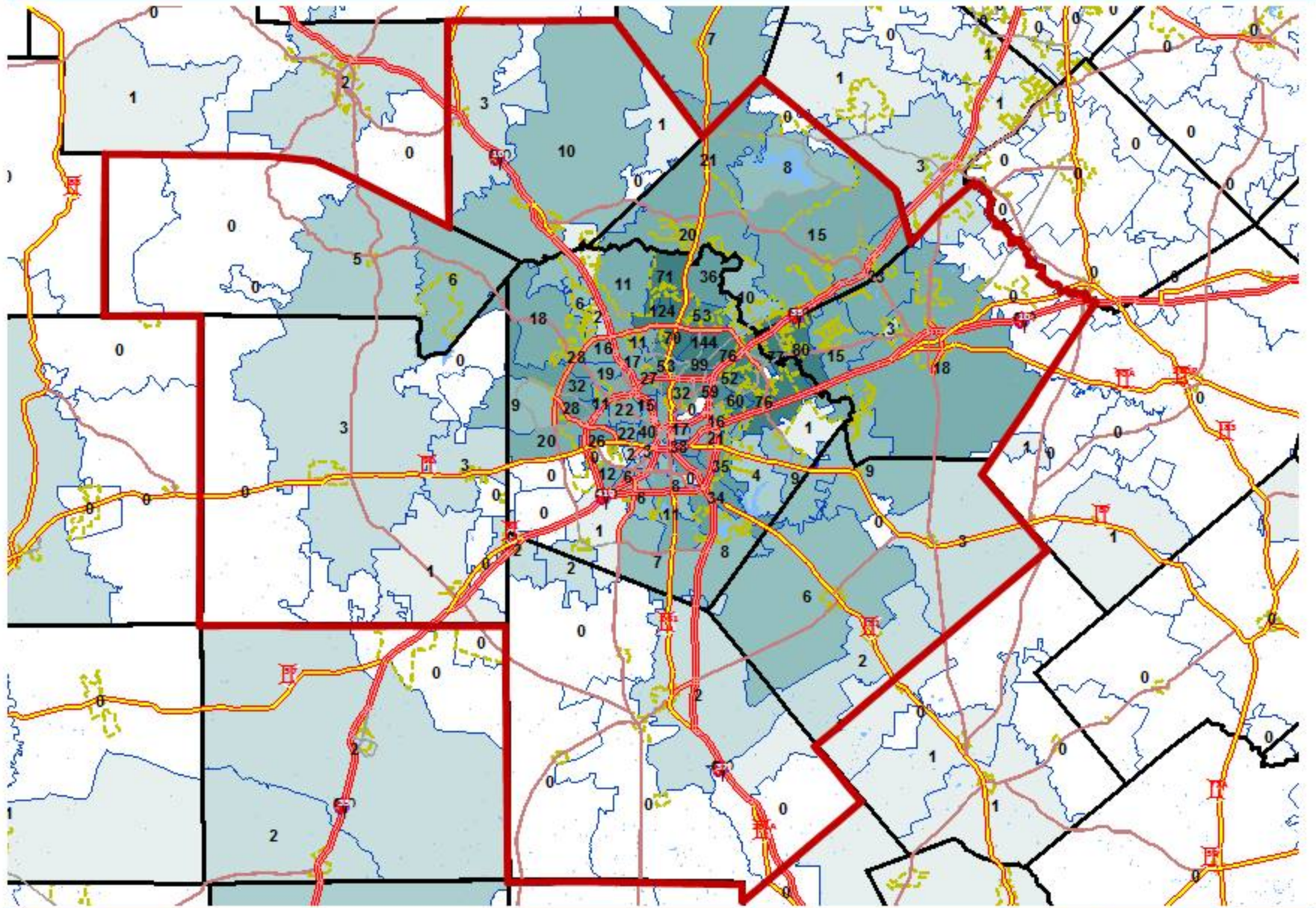
2010 CHRISTUS System Pediatric Market Share by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

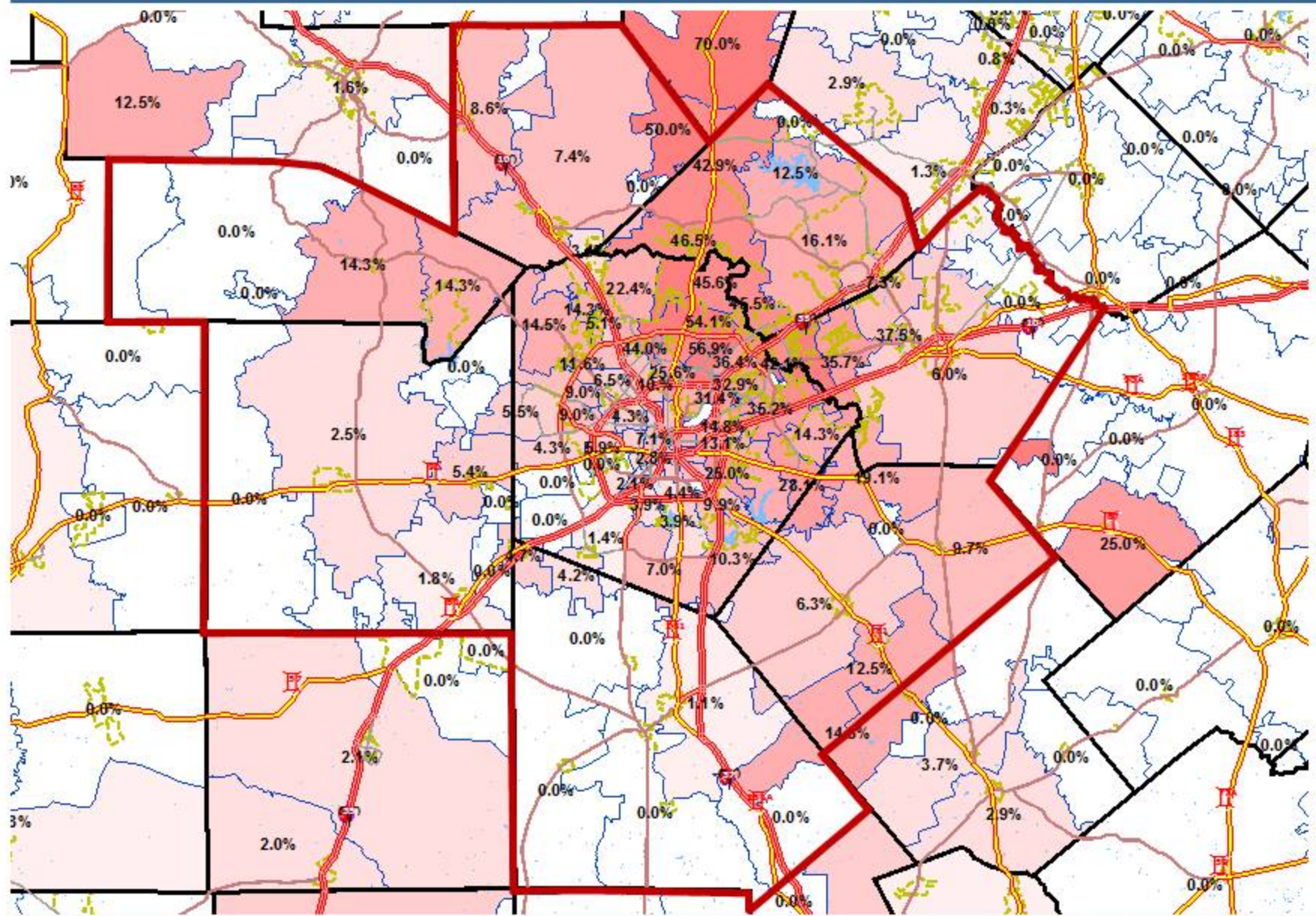
2010 Baptist System Pediatric Discharges by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

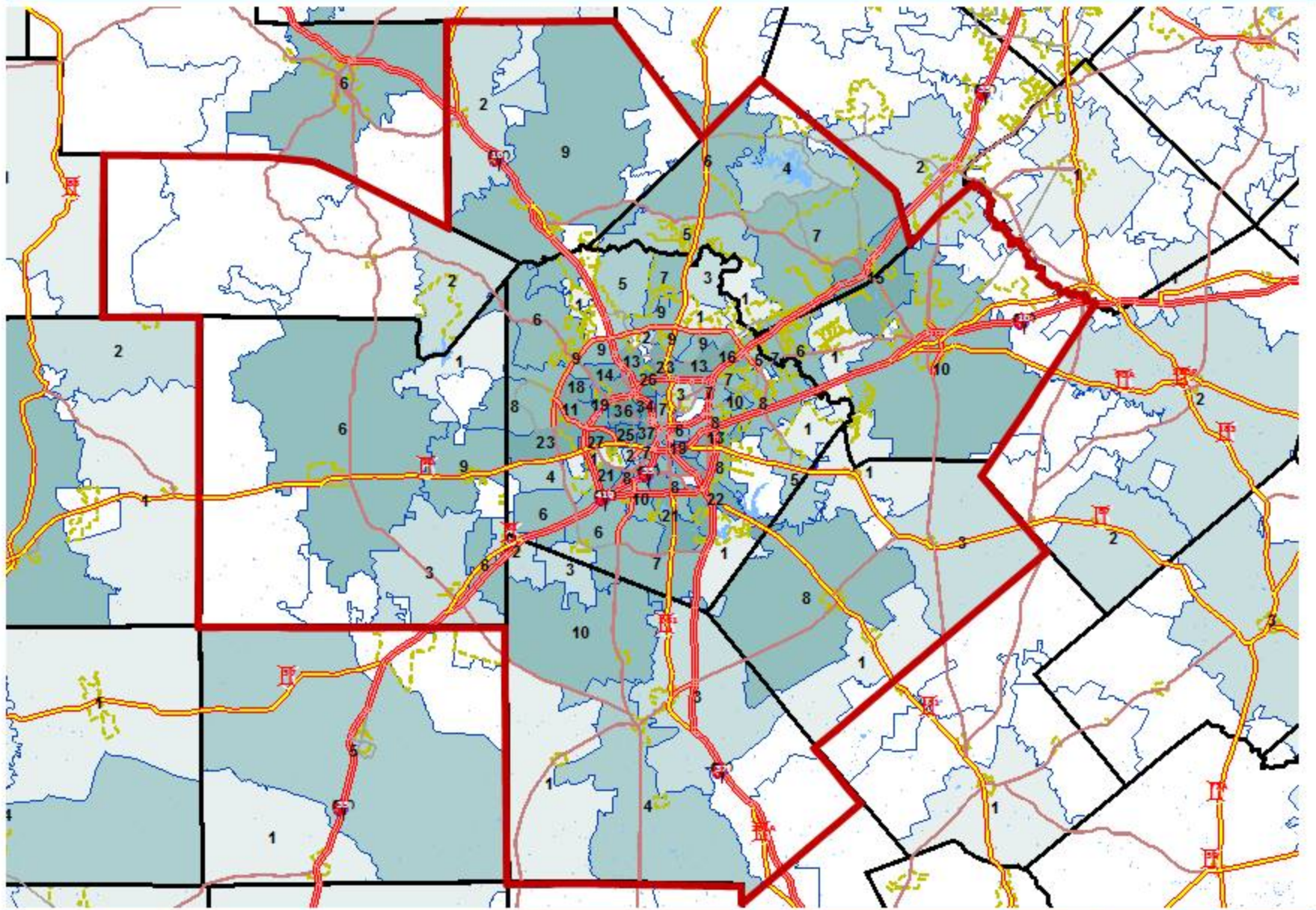
2010 Baptist System Pediatric Market Share by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THCIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

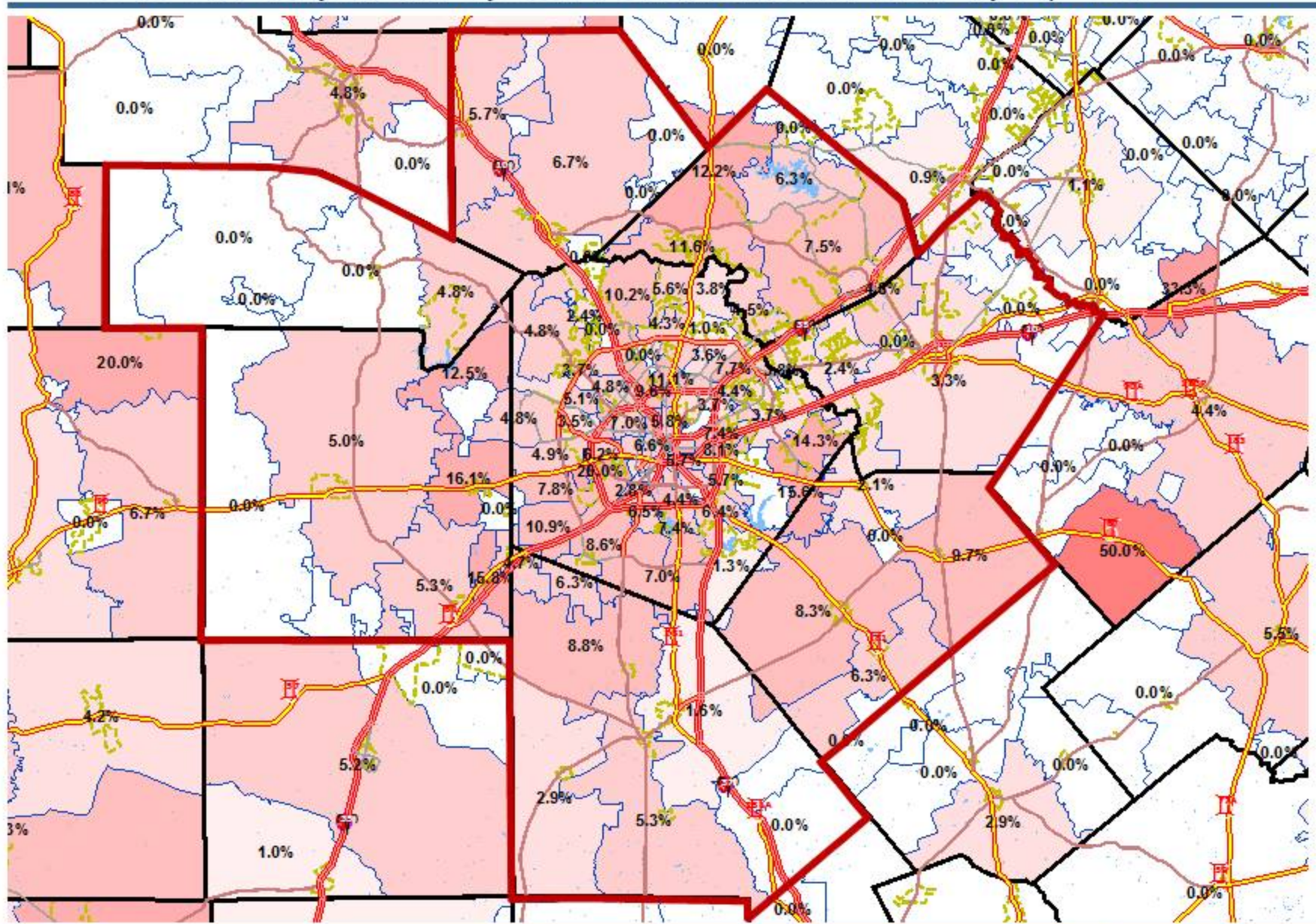
2010 University Health System Pediatric Discharges by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

2010 University Health System Pediatric Market Share by Zip Code⁽¹⁾



(1) Sources: PDS Texas Database 2010 Q2 – 2011 Q1; THCIC – 2010 6 months annualized for all others not included in PDS

II. Pediatric Subspecialist Supply Analysis

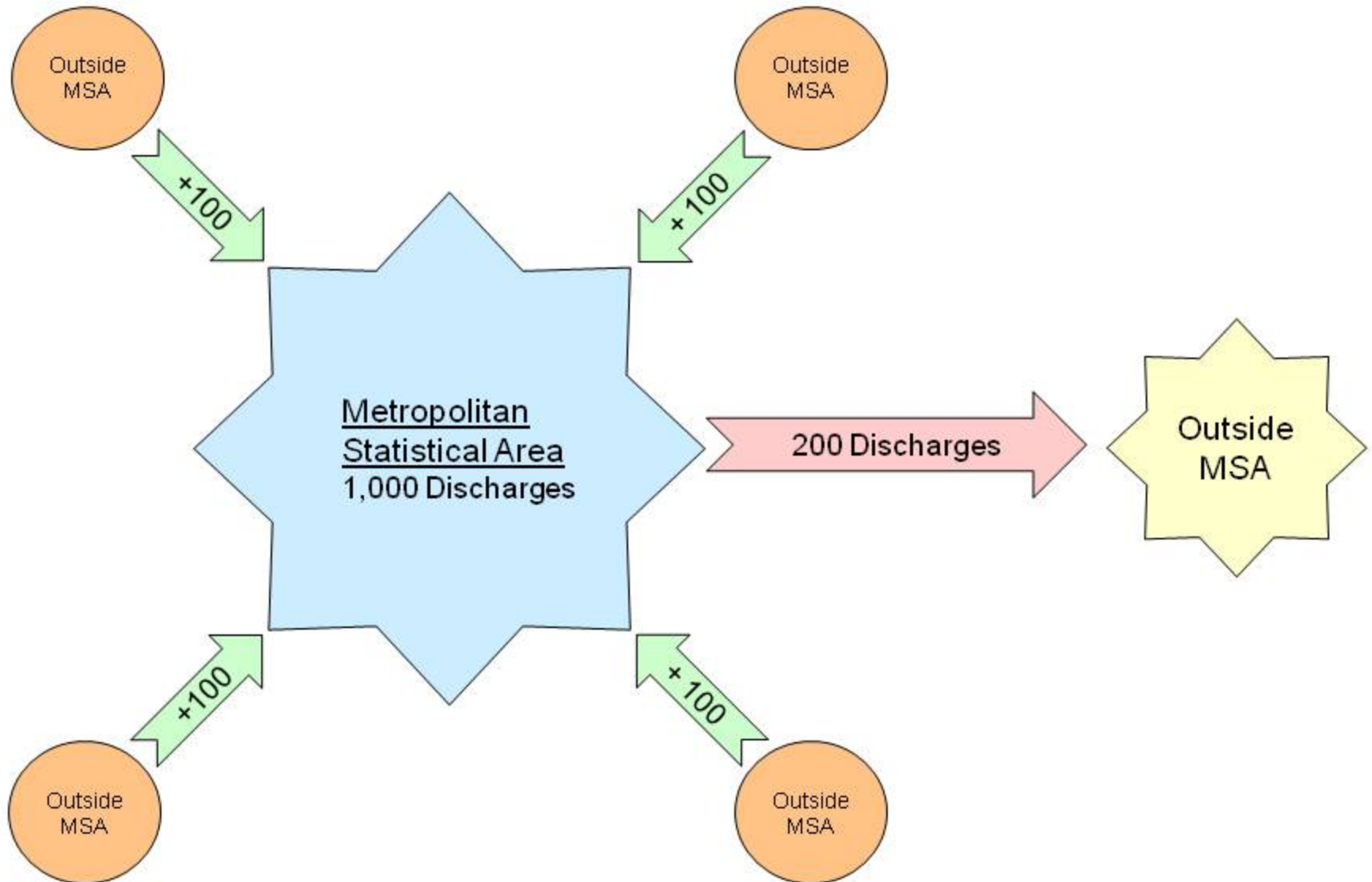
Inmigration / Outmigration

Approach

- Because the approach uses Physician to Population Ratios as a key metric, it is necessary to account for the Net Inmigration or Outmigration of patients served by the Pediatric Subspecialists
- Either the Population or Physician Supply can be adjusted, however only the latter can be meaningfully modified
- To do so, for all MSA's an Adjustment Factor was developed to account for the net Inmigration or Outmigration of patient volumes
- The Adjustment Factors are applied to the Physician Supply to calculate the effective Physician to Population Ratios in each MSA
- A comparison of the Adjusted Physician to Population Ratios was made for San Antonio, Houston, Austin, and Dallas / Ft. Worth
- The average Ratios of the Houston, Austin, and Dallas / Ft. Worth MSA's were used as a proxy Benchmark Ratio for purposes of this analysis

II. Pediatric Subspecialist Supply Analysis

Inmigration / Outmigration – Approach / Example



II. Pediatric Subspecialist Supply Analysis

Inmigration / Outmigration – Approach / Example

Example Calculations

Formula	Factor	2010 Pediatric Discharges	Description
	A	1,000	Total Discharges generated from an MSA population
	B	800	Total Discharges from an MSA treated at Hospitals located in the MSA
= A minus B	C	200	Outmigration - Patients from an MSA seeking treatment at Hospitals outside the MSA
= C divided by A	C'	20.0%	% Outmigration
	D	1,200	Total Discharges seen at all Hospitals located within the MSA from all areas
= D minus A plus C	E	400	Inmigration - Patients from outside an MSA seeking treatment at Hospitals in the MSA
= E divided by A	E'	40.0%	% Inmigration
= E minus C	F	200	Net In/Outmigration - Net impact of patients coming into or leaving out of an MSA
= F divided by A	F'	20.0%	% Net In/Outmigration

II. Pediatric Subspecialist Supply Analysis

San Antonio MSA Pediatric Inmigration / Outmigration

	A	B	C	C'	D	E	F	F'
Service Line	Discharges from MSA Population	Discharges from MSA Pop. Treated in MSA Hospitals	Outmigration (= A minus B)	% Outmigration (= C divided by A)	Discharges from all Hospitals Located in MSA	Inmigration (= D minus A plus C)	Net In/Outmigration (= E minus C)	% In/Outmigration (= F divided by A)
CARDIOLOGY	233	222	11	4.7%	322	100	89	38.2%
DENTISTRY	61	61	0	0.0%	71	10	10	16.4%
DERMATOLOGY	732	725	7	1.0%	780	55	48	6.6%
ENDOCRINE	555	536	19	3.4%	618	82	63	11.4%
GASTROENTEROLOGY	1,090	1,061	29	2.7%	1,215	154	125	11.5%
GENERAL MEDICINE	865	840	25	2.9%	983	143	118	13.6%
GENERAL SURGERY	1,242	1,212	30	2.4%	1,600	388	358	28.8%
GYNECOLOGY	128	126	2	1.6%	130	4	2	1.6%
HEMATOLOGY	329	327	2	0.6%	399	72	70	21.3%
HIV	0	0	0	0.0%	0	0	0	0.0%
NEONATOLOGY	4,825	4,765	60	1.2%	5,197	432	372	7.7%
NEPHROLOGY	368	364	4	1.1%	410	46	42	11.4%
NEUROLOGY	940	884	56	6.0%	1,079	195	139	14.8%
NEUROSURGERY	221	200	21	9.5%	295	95	74	33.5%
NORMAL NEWBORNS	24,206	23,865	341	1.4%	24,659	794	453	1.9%
OB/DELIVERY	1,386	1,371	15	1.1%	1,421	50	35	2.5%
ONCOLOGY MEDICAL	296	281	15	5.1%	418	137	122	41.2%
OPEN HEART	99	98	1	1.0%	184	86	85	85.9%
OPHTHALMOLOGY	115	112	3	2.6%	128	16	13	11.3%
ORTHOPEDICS	599	574	25	4.2%	774	200	175	29.2%
OTHER OB	180	177	3	1.7%	191	14	11	6.1%
OTOLARYNGOLOGY	739	732	7	0.9%	827	95	88	11.9%
PSYCH/DRUG ABUSE	3,254	3,195	59	1.8%	4,753	1,558	1,499	46.1%
PULMONARY	3,217	3,180	37	1.2%	3,499	319	282	8.8%
RHEUMATOLOGY	32	32	0	0.0%	39	7	7	21.9%
SPINE	145	138	7	4.8%	180	42	35	24.1%
THORACIC SURGERY	122	113	9	7.4%	150	37	28	23.0%
TRAUMA	114	111	3	2.6%	211	100	97	85.1%
UROLOGY	146	142	4	2.7%	188	46	42	28.8%
VASCULAR SURGERY	8	7	1	12.5%	12	5	4	50.0%
Total	46,247	45,451	796	1.7%	50,733	5,282	4,486	9.7%
Total Excl. Neon. & Psych	13,962	13,626	336	2.4%	16,124	2,498	2,162	15.5%

II. Pediatric Subspecialist Supply Analysis

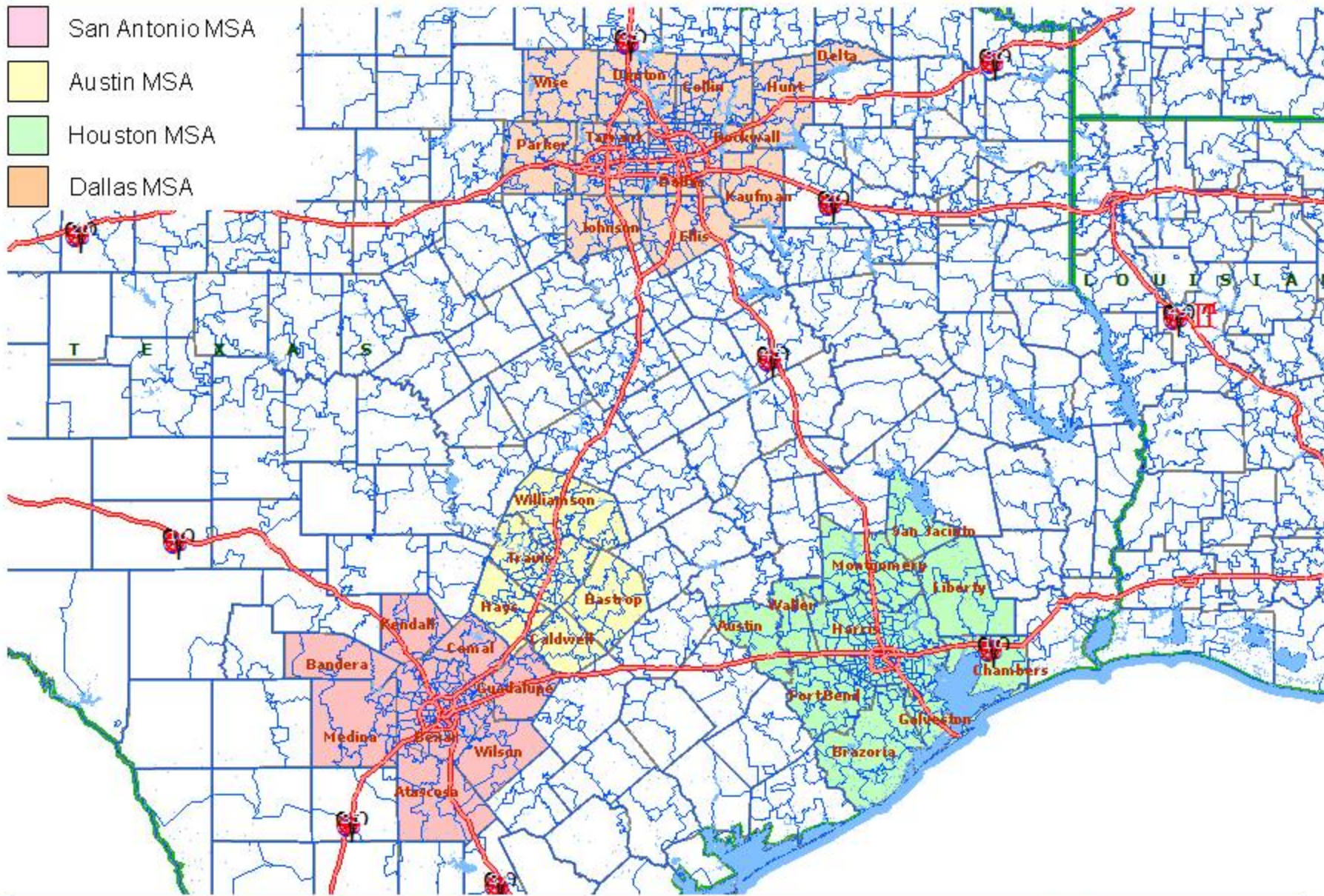
San Antonio MSA Pediatric Inmigration / Outmigration

San Antonio Calculation

Formula	Factor	2010 Pediatric Discharges	Description
	A	13,962	Total Discharges generated from San Antonio MSA population
	B	13,626	Total Discharges from the San Antonio MSA treated at Hospitals located in the MSA
= A minus B	C	336	Outmigration - Patients from San Antonio MSA seeking treatment at Hospitals outside the MSA
= C divided by A	C'	2.4%	% Outmigration
	D	16,124	Total Discharges seen at all Hospitals located within the San Antonio MSA from all areas
= D minus A plus C	E	2,498	Inmigration - Patients from outside the San Antonio MSA seeking treatment at Hospitals in the MSA
= E divided by A	E'	17.9%	% Inmigration
= E minus C	F	2,162	Net In/Outmigration - Net impact of patients coming into or leaving out of San Antonio MSA
= F divided by A	F'	15.5%	% Net In/Outmigration

II. Pediatric Subspecialist Supply Analysis

Metropolitan Statistical Areas



II. Pediatric Subspecialist Supply Analysis

Pediatric Immigration / Outmigration by MSA

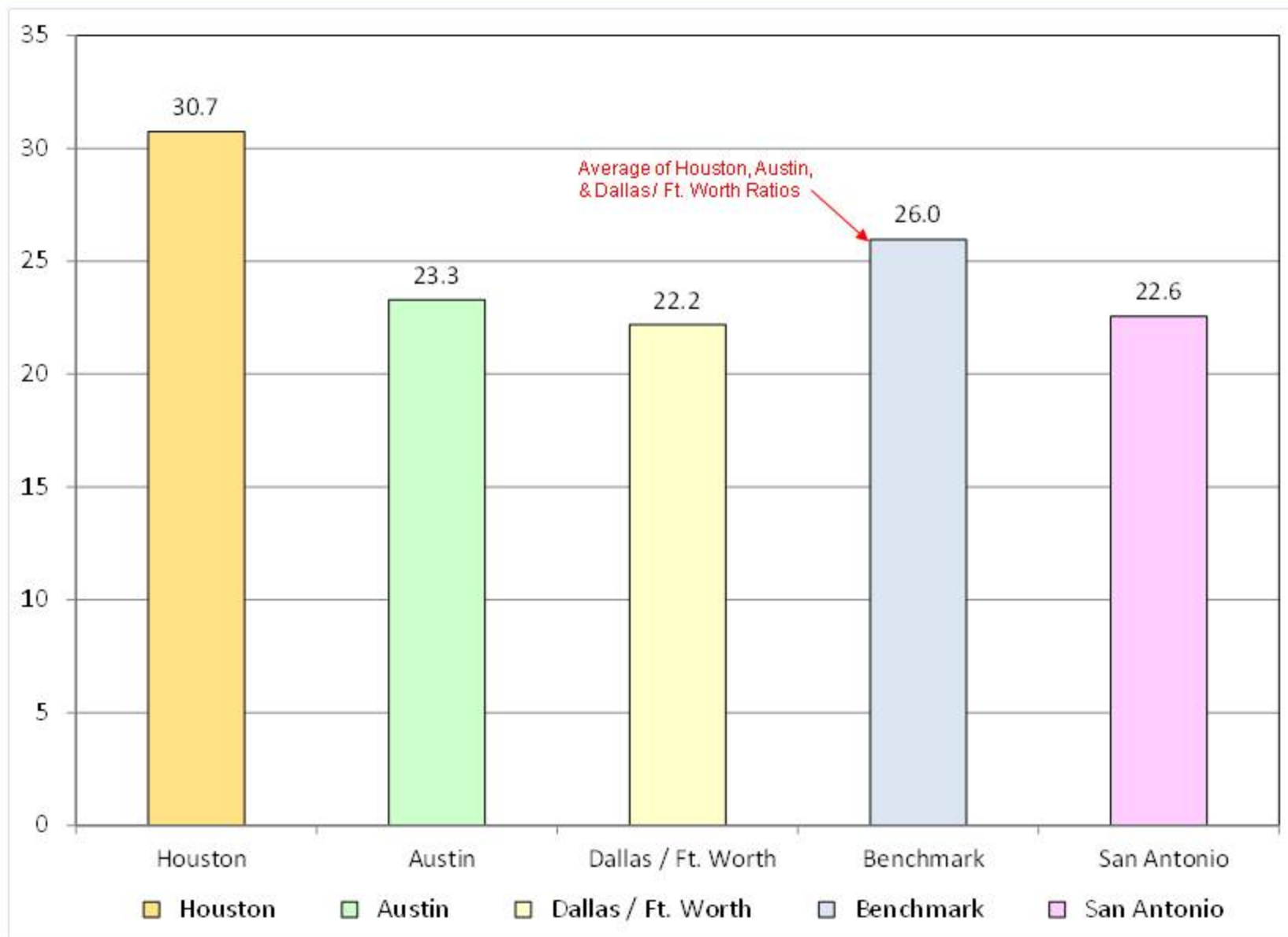
Summary Immigration / Outmigration by MSA

	A	B	C	C'	D	E	F	F'
Metropolitan Statistical Area	Discharges from MSA Population	Discharges from MSA Pop. Treated in MSA Hospitals	Outmigration (= A minus B)	% Outmigration (=C divided by A)	Discharges from all Hospitals Located in MSA	Inmigration (= D minus A plus C)	Net In/Outmigration (= E minus C)	% In/Outmigration (= F divided by A)
San Antonio	13,962	13,626	336	2.4%	16,124	2,498	2,162	15.5%
Houston	35,511	35,116	395	1.1%	39,881	4,765	4,370	12.3%
Austin	8,432	7,823	609	7.2%	8,854	1,031	422	5.0%
Dallas / Ft. Worth	39,293	38,852	441	1.1%	46,701	7,849	7,408	18.9%

- San Antonio has a relatively large Net Immigration of Pediatric patients, thus reducing the effective Physician Supply by approximately 15.5%
- Net Immigration Factors have been calculated and applied separately for each MSA for:
 - Pediatric Subspecialists
 - Neonatology
 - Psychiatry
 - General Pediatrics
- The Adjusted Physician to Population Ratios were calculated for each MSA
- Average Ratios of Houston, Austin, and Dallas / Ft. Worth used as a proxy Benchmark

II. Pediatric Subspecialist Supply Analysis

2011 Pediatric Subspecialties Per 100,000 Population by MSA⁽¹⁾⁽²⁾



(1) Note: Excludes Neonatology and Psychiatry

(2) Note: Physician Supply adjusted for Immigration / Outmigration

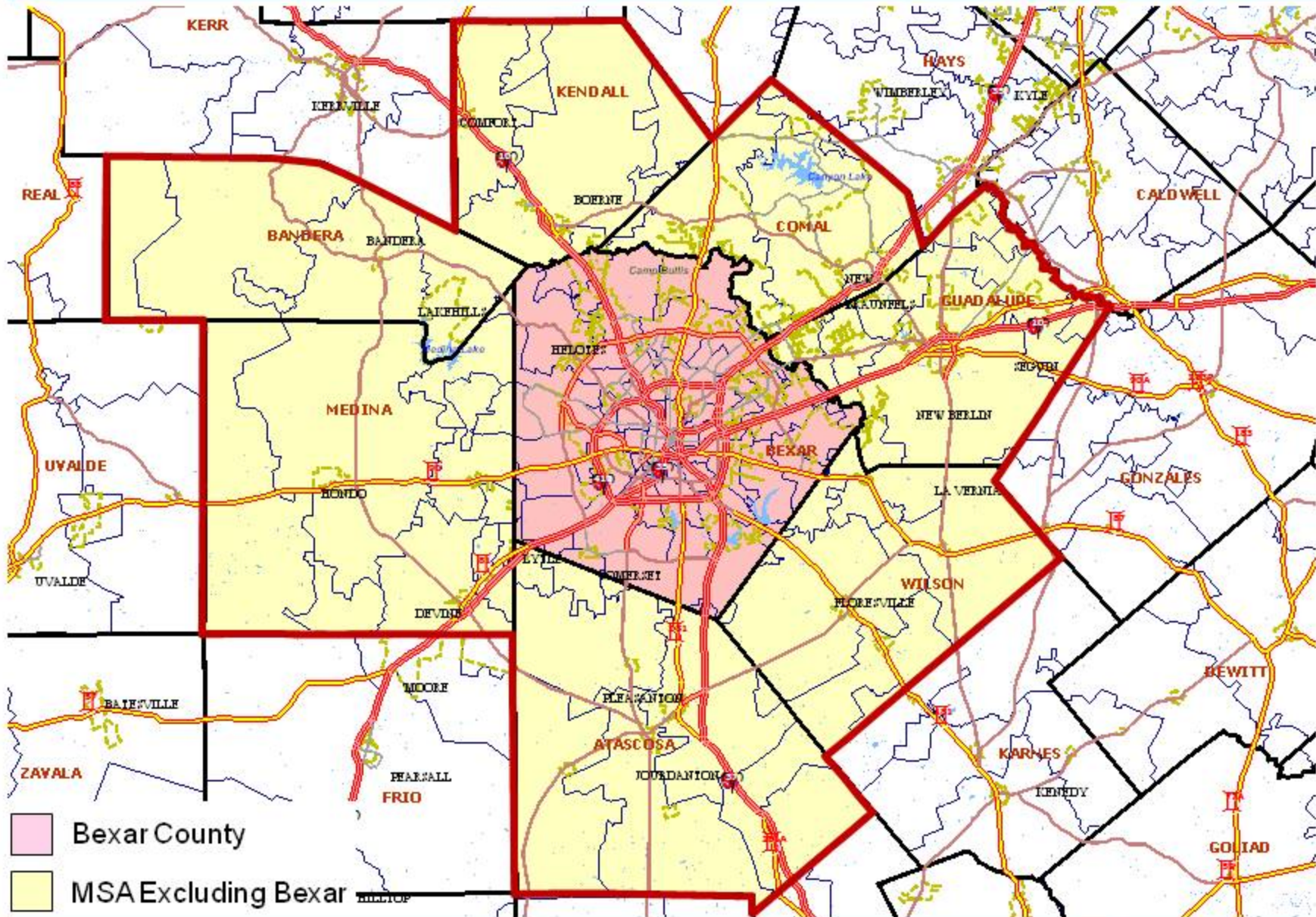
II. Pediatric Subspecialist Supply Analysis

2011 Physician Supply / Population & Benchmark Ratios

Count	Pediatric Subspecialties	Pediatric Subspecialists (Adjusted)				Pediatric Subspecialists / 100,000 Population				Benchmark
		Houston	Austin	Dallas / Ft. Worth	San Antonio	Houston	Austin	Dallas / Ft. Worth	San Antonio	
1	Allergy / Immunology	30.9	8.5	15.8	4.0	1.8	1.9	0.9	0.7	1.4
2	Anesthesiology	32.2	4.3	43.2	8.5	1.9	1.0	2.3	1.4	2.0
3	Cardiology	49.3	8.5	40.2	10.4	2.9	1.9	2.2	1.8	2.4
4	Cardiothoracic Surgery	3.3	0.0	1.8	1.7	0.2	0.0	0.1	0.3	0.1
5	Critical Care	31.6	5.0	30.4	13.9	1.8	1.1	1.6	2.4	1.7
6	Dermatology	7.2	2.1	1.2	1.3	0.4	0.5	0.1	0.2	0.3
7	Developmental Pediatrics	7.2	1.4	9.1	3.4	0.4	0.3	0.5	0.6	0.4
8	Emergency Medicine	40.8	13.5	45.0	19.4	2.4	3.0	2.4	3.3	2.5
9	Endocrinology	26.3	5.0	16.4	4.2	1.5	1.1	0.9	0.7	1.2
10	Gastroenterology	25.7	4.3	17.0	5.1	1.5	1.0	0.9	0.9	1.2
11	Genetics	13.8	3.6	8.5	0.0	0.8	0.8	0.5	0.0	0.6
12	Gynecology	0.7	1.4	0.0	0.0	0.0	0.3	0.0	0.0	0.1
13	Hematology / Oncology	65.8	5.0	34.1	5.1	3.8	1.1	1.8	0.9	2.6
14	Infectious Diseases	24.3	3.6	17.6	2.1	1.4	0.8	0.9	0.4	1.1
15	Neonatology	110.6	19.2	99.0	33.2	6.4	4.3	5.3	5.6	5.7
16	Nephrology	16.4	2.1	8.5	4.6	1.0	0.5	0.5	0.8	0.7
17	Neurology	32.2	5.7	25.0	5.9	1.9	1.3	1.3	1.0	1.6
18	Neurosurgery	3.9	1.4	1.8	4.2	0.2	0.3	0.1	0.7	0.2
19	Nuclear Medicine	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	Ophthalmology	8.6	2.8	6.1	2.1	0.5	0.6	0.3	0.4	0.4
21	Orthopedics	9.9	1.4	9.7	5.1	0.6	0.3	0.5	0.9	0.5
22	Otolaryngology	9.9	3.6	9.1	2.5	0.6	0.8	0.5	0.4	0.6
23	Pathology	6.6	2.8	7.9	3.4	0.4	0.6	0.4	0.6	0.4
24	PM&R	4.6	0.7	3.7	1.7	0.3	0.2	0.2	0.3	0.2
25	Plastic Surgery	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2	0.0
26	Psychiatry	145.9	97.4	88.4	34.0	8.5	21.7	4.8	5.8	8.2
27	Pulmonary Medicine	19.7	3.6	12.8	8.0	1.1	0.8	0.7	1.4	0.9
28	Radiology	23.0	4.3	17.0	5.9	1.3	1.0	0.9	1.0	1.1
29	Rheumatology	7.2	2.1	7.3	0.8	0.4	0.5	0.4	0.1	0.4
30	Sports Medicine	3.9	0.0	1.2	0.8	0.2	0.0	0.1	0.1	0.1
31	Surgery	17.8	6.4	16.4	5.1	1.0	1.4	0.9	0.9	1.0
32	Transplant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Urology	5.9	1.4	5.5	2.1	0.3	0.3	0.3	0.4	0.3
Total		785.9	221.4	600.0	199.9	45.6	49.2	32.3	34.0	39.9
	Total Ex. Psych & Neonatology	529.5	104.7	412.6	132.7	30.7	23.3	22.2	22.6	26.0
	General Pediatrics	813.8	265.5	730.5	221.4	47.3	59.0	39.3	37.6	44.9

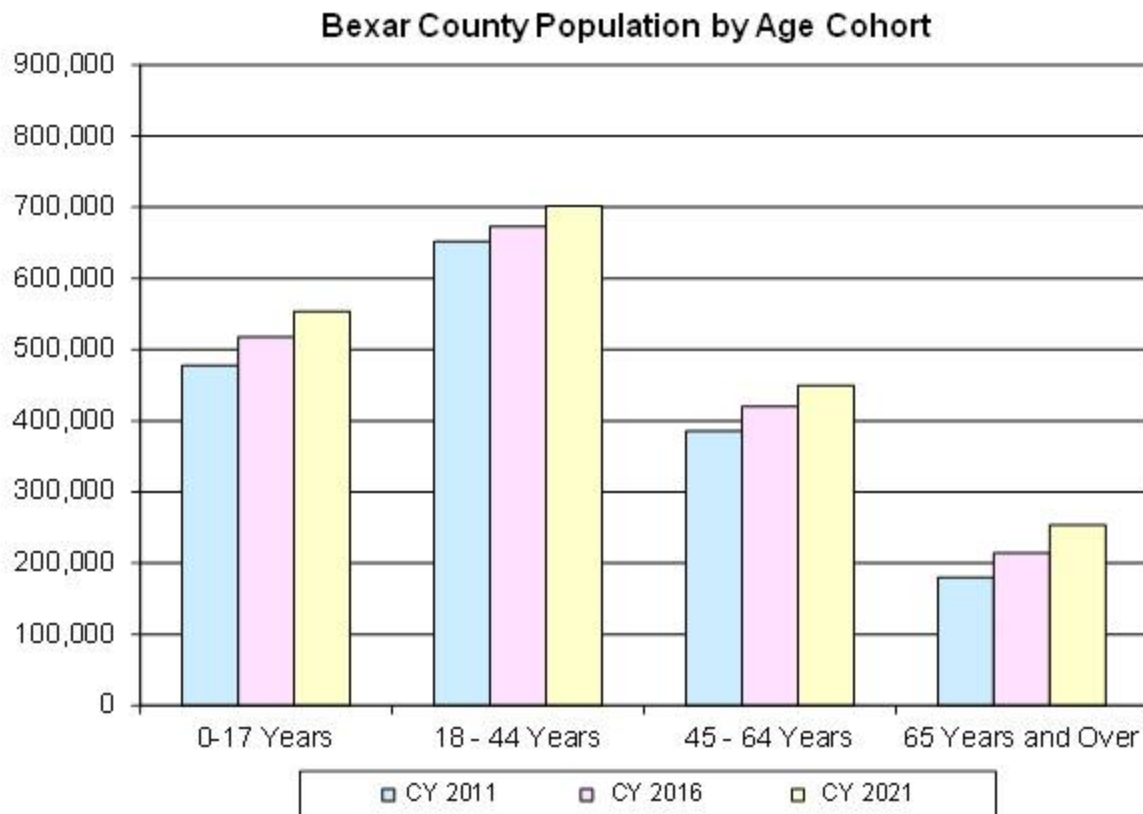
III. Demographic Analysis

San Antonio Metropolitan Statistical Area (MSA)



III. Demographic Analysis

Bexar County Population⁽¹⁾

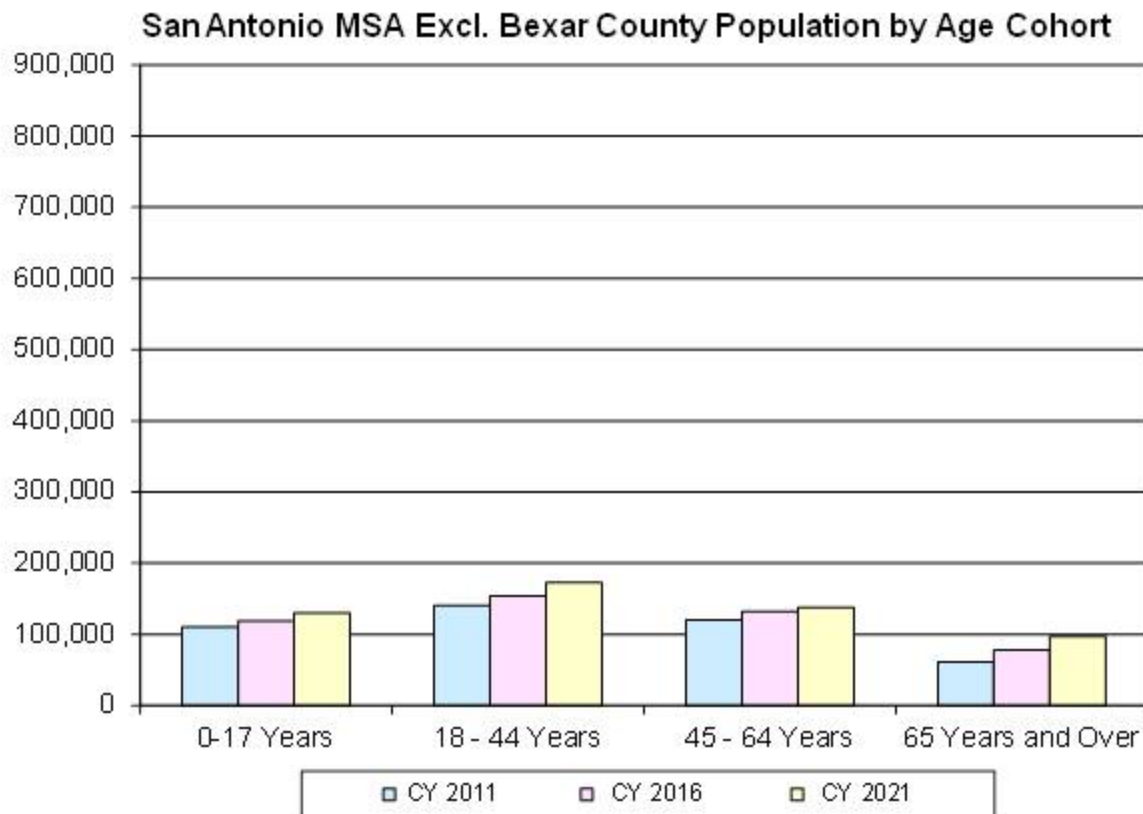


Bexar County Population	CY 2011	CY 2016	CY 2021	% Increase 2011 - 2016	Variance 2011 - 2016	% Increase 2011 - 2021	Variance 2011 - 2021
0-17 Years	478,191	517,549	553,465	8.2%	39,358	15.7%	75,274
18 - 44 Years	651,518	673,069	701,787	3.3%	21,551	7.7%	50,269
45 - 64 Years	385,369	420,162	450,090	9.0%	34,793	16.8%	64,721
65 Years and Over	180,020	213,879	253,652	18.8%	33,859	40.9%	73,632
Total Population	1,695,098	1,824,659	1,958,994	7.6%	129,561	15.6%	263,896
Obstetrics (Female 15 - 44)	363,303	374,287	388,826	3.0%	10,984	7.0%	25,523

(1) Source: Claritas 2011 – 2016 database; 2021 population extrapolated from 2010– 2015 data.

III. Demographic Analysis

San Antonio MSA Excluding Bexar County Population⁽¹⁾

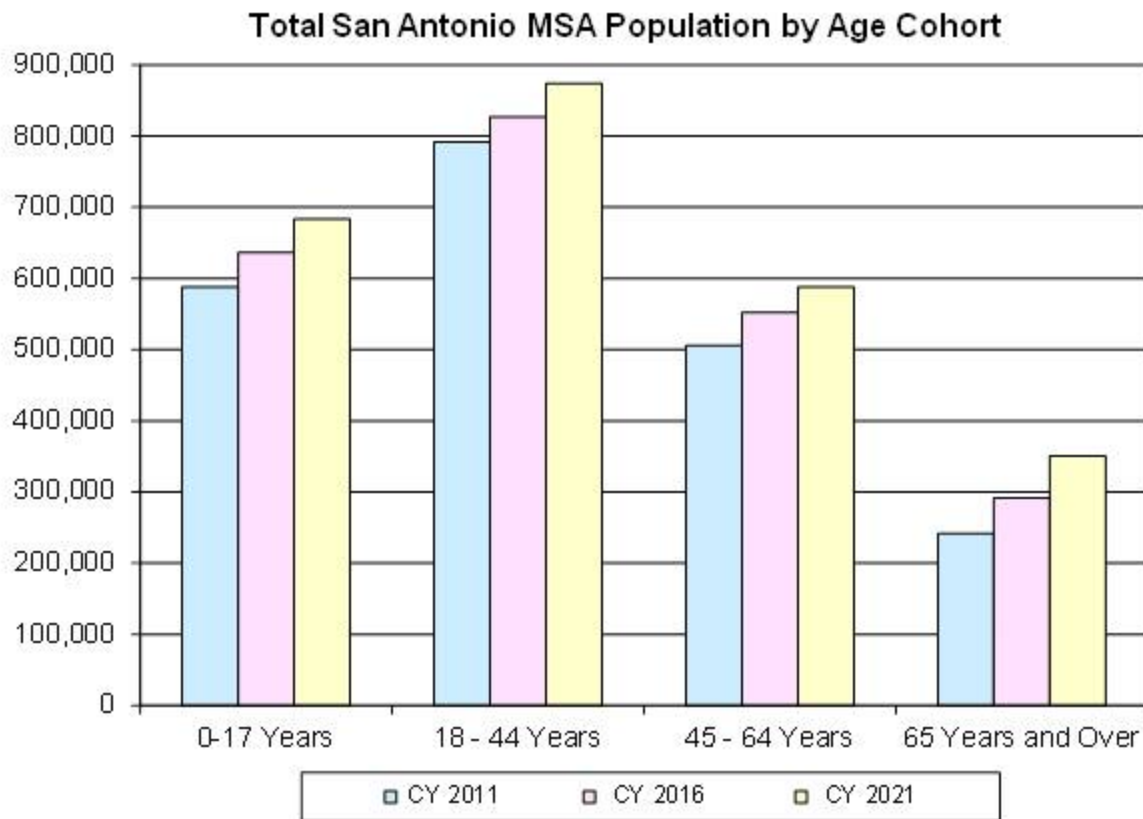


MSA Excluding Bexar County	CY 2011	CY 2016	CY 2021	% Increase 2011 - 2016	Variance 2011 - 2016	% Increase 2011 - 2021	Variance 2011 - 2021
0-17 Years	110,094	119,107	129,926	8.2%	9,013	18.0%	19,832
18 - 44 Years	140,454	154,021	172,599	9.7%	13,567	22.9%	32,145
45 - 64 Years	120,304	131,793	138,058	9.5%	11,489	14.8%	17,754
65 Years and Over	61,368	77,827	97,099	26.8%	16,459	58.2%	35,731
Total Population	432,220	482,748	537,682	11.7%	50,528	24.4%	105,462
Obstetrics (Female 15 - 44)	78,821	85,733	94,564	8.8%	6,912	20.0%	15,743

(1) Source: Claritas 2011 – 2016 database; 2021 population extrapolated from 2010– 2015 data.

III. Demographic Analysis

Total San Antonio MSA Population⁽¹⁾⁽²⁾

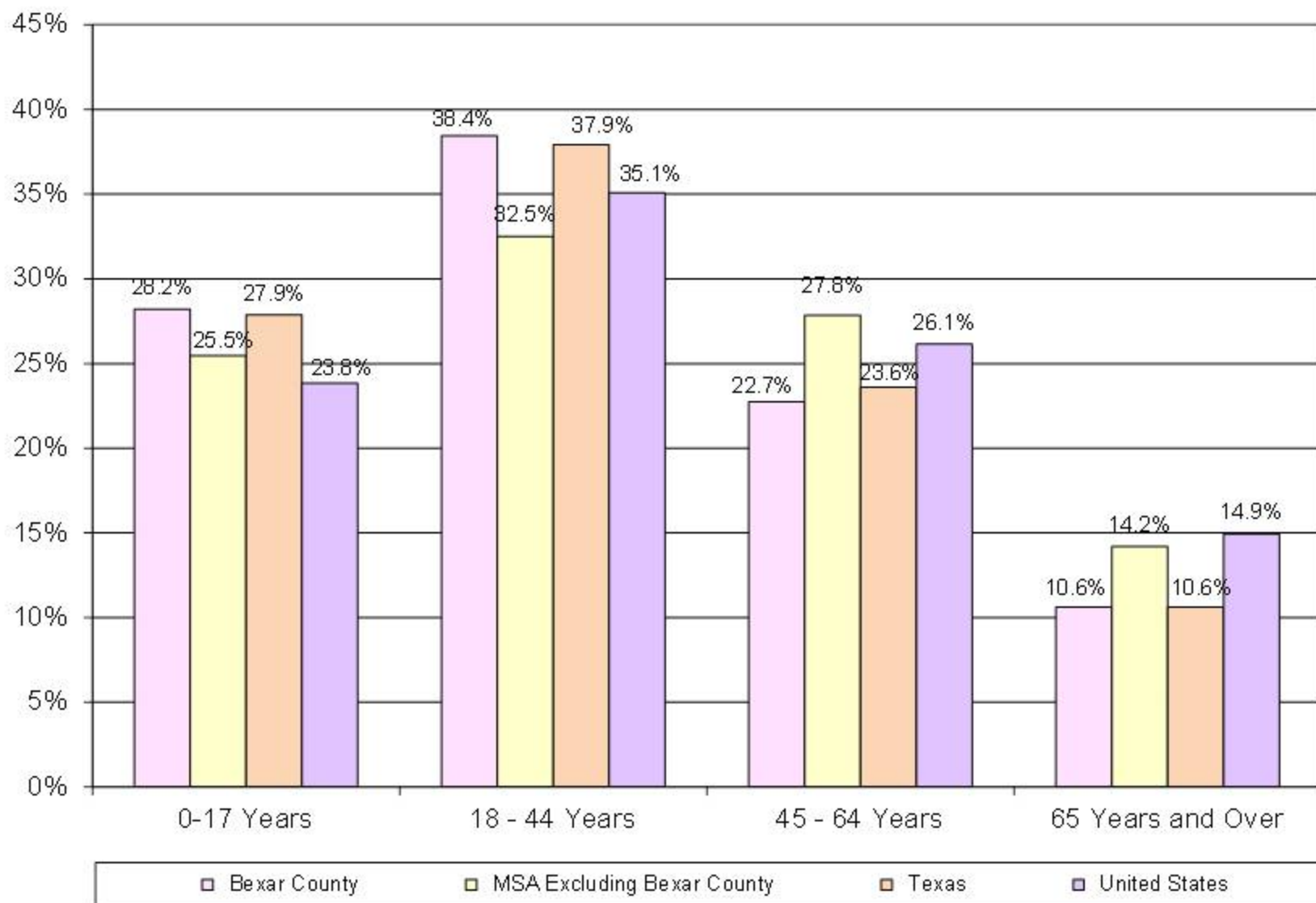


Total San Antonio MSA Population	CY 2011	CY 2016	CY 2021	% Increase 2011 - 2016	Variance 2011 - 2016	% Increase 2011 - 2021	Variance 2011 - 2021
0-17 Years	588,285	636,656	683,391	8.2%	48,371	16.2%	95,106
18 - 44 Years	791,972	827,090	874,386	4.4%	35,118	10.4%	82,414
45 - 64 Years	505,673	551,955	588,149	9.2%	46,282	16.3%	82,476
65 Years and Over	241,388	291,706	350,751	20.8%	50,318	45.3%	109,363
Total Population	2,127,318	2,307,407	2,496,676	8.5%	180,089	17.4%	369,358
Obstetrics (Female 15 - 44)	442,124	460,020	483,389	4.0%	17,896	9.3%	41,265

(1) Source: Claritas 2011 – 2016 database; 2021 population extrapolated from 2010– 2015 data.

III. Demographic Analysis

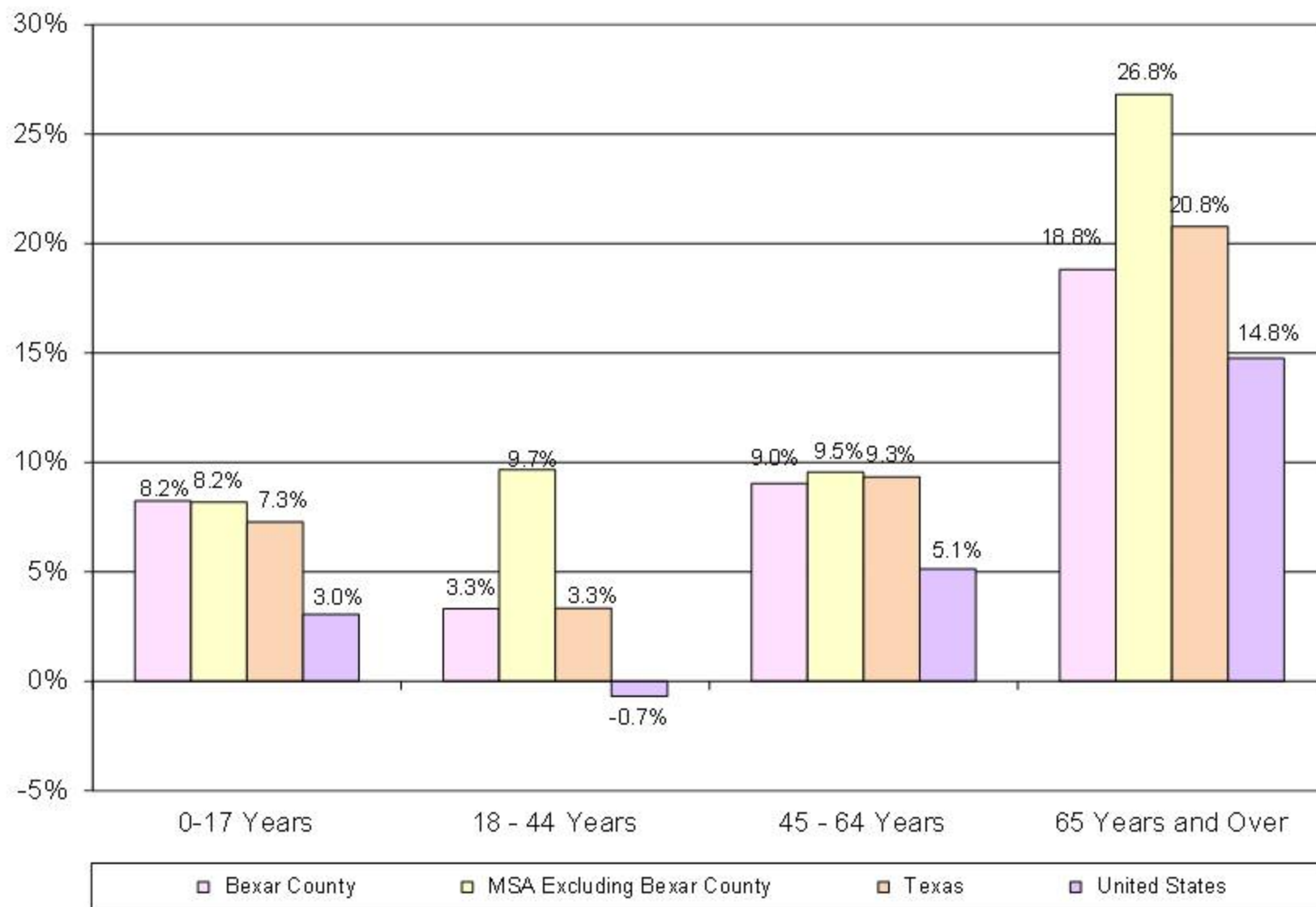
2011 San Antonio MSA Population Distribution by Age Cohort⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

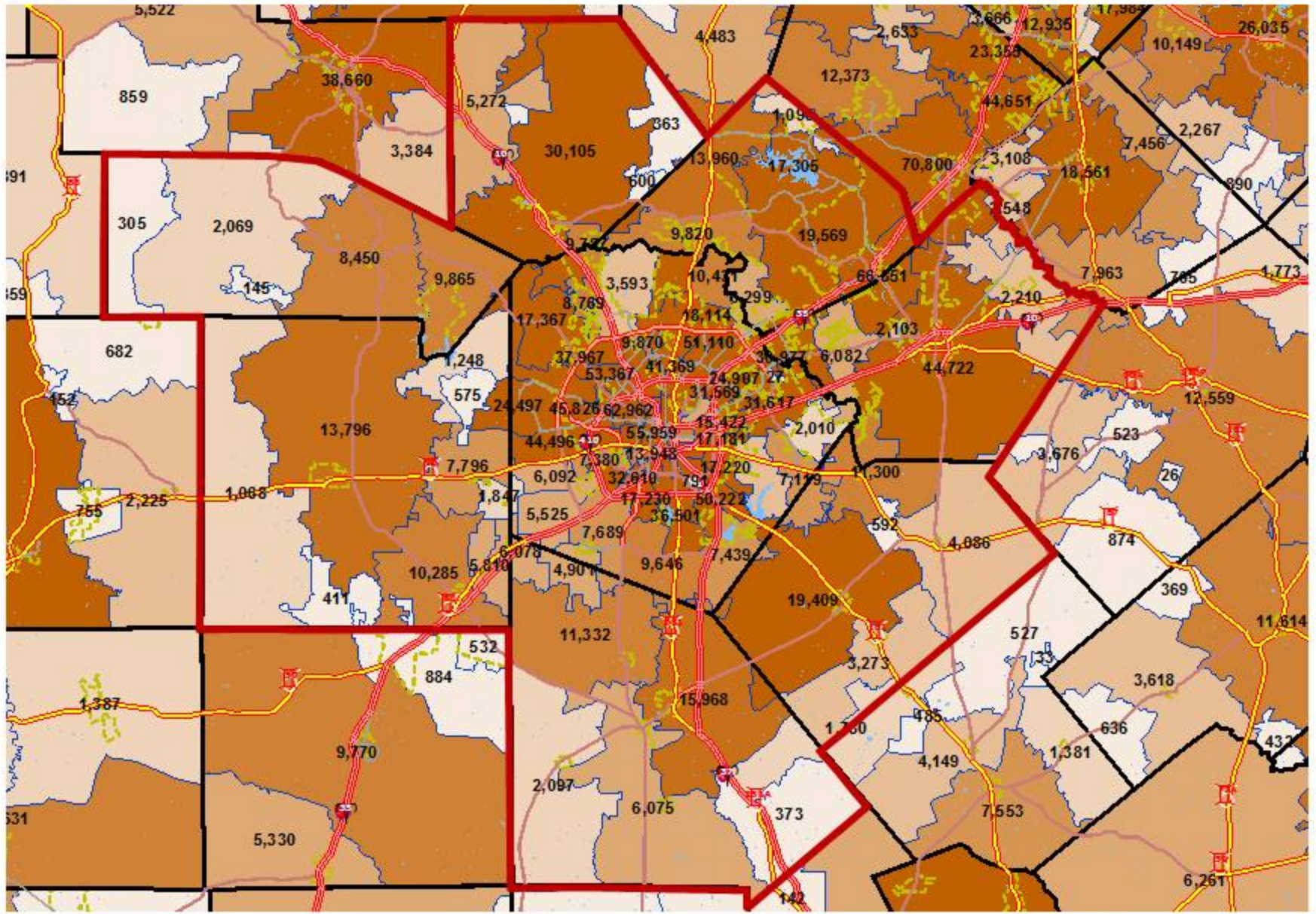
Percent Growth by Age Cohort 2011 to 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

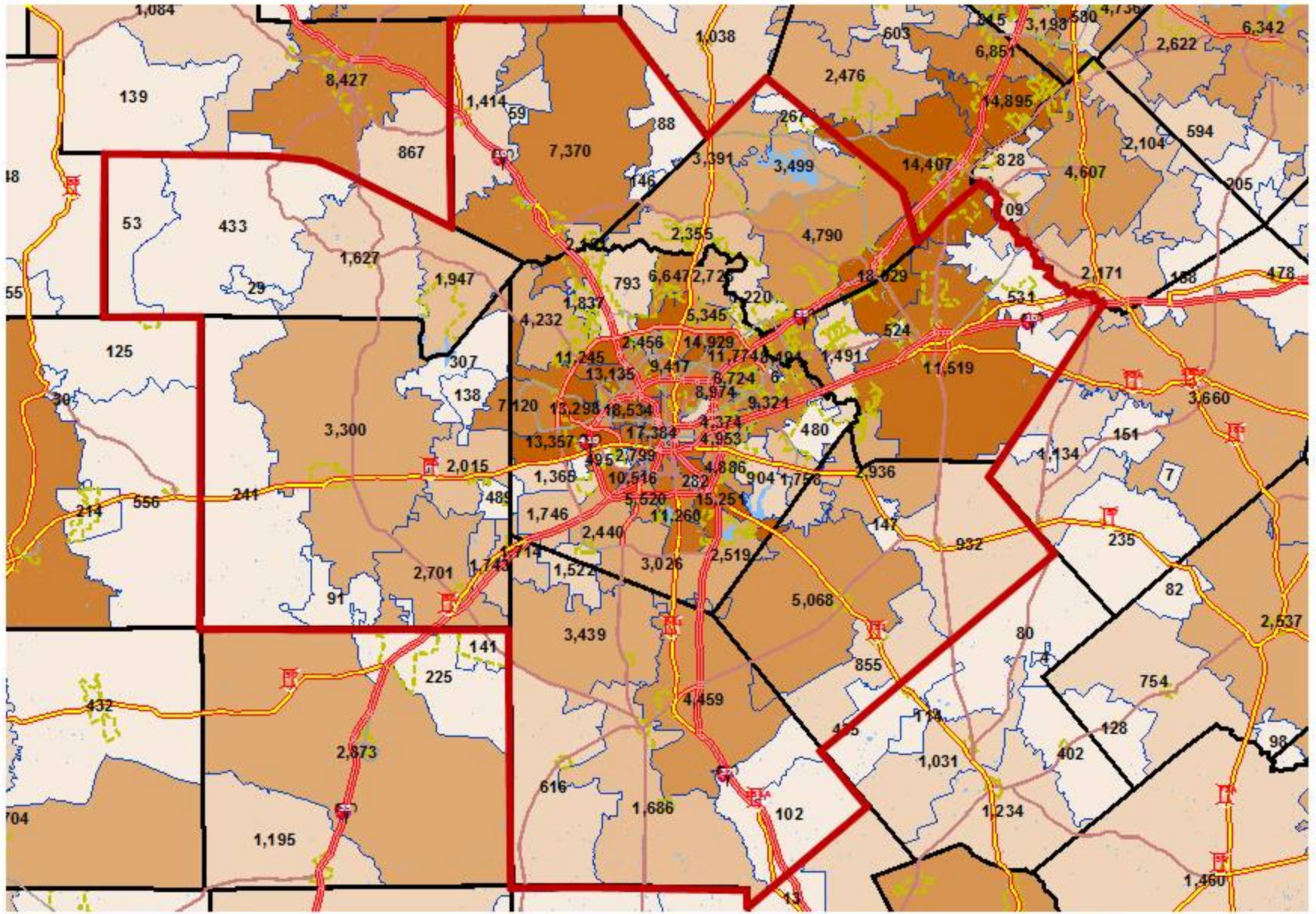
III. Demographic Analysis

2011 Total Population⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

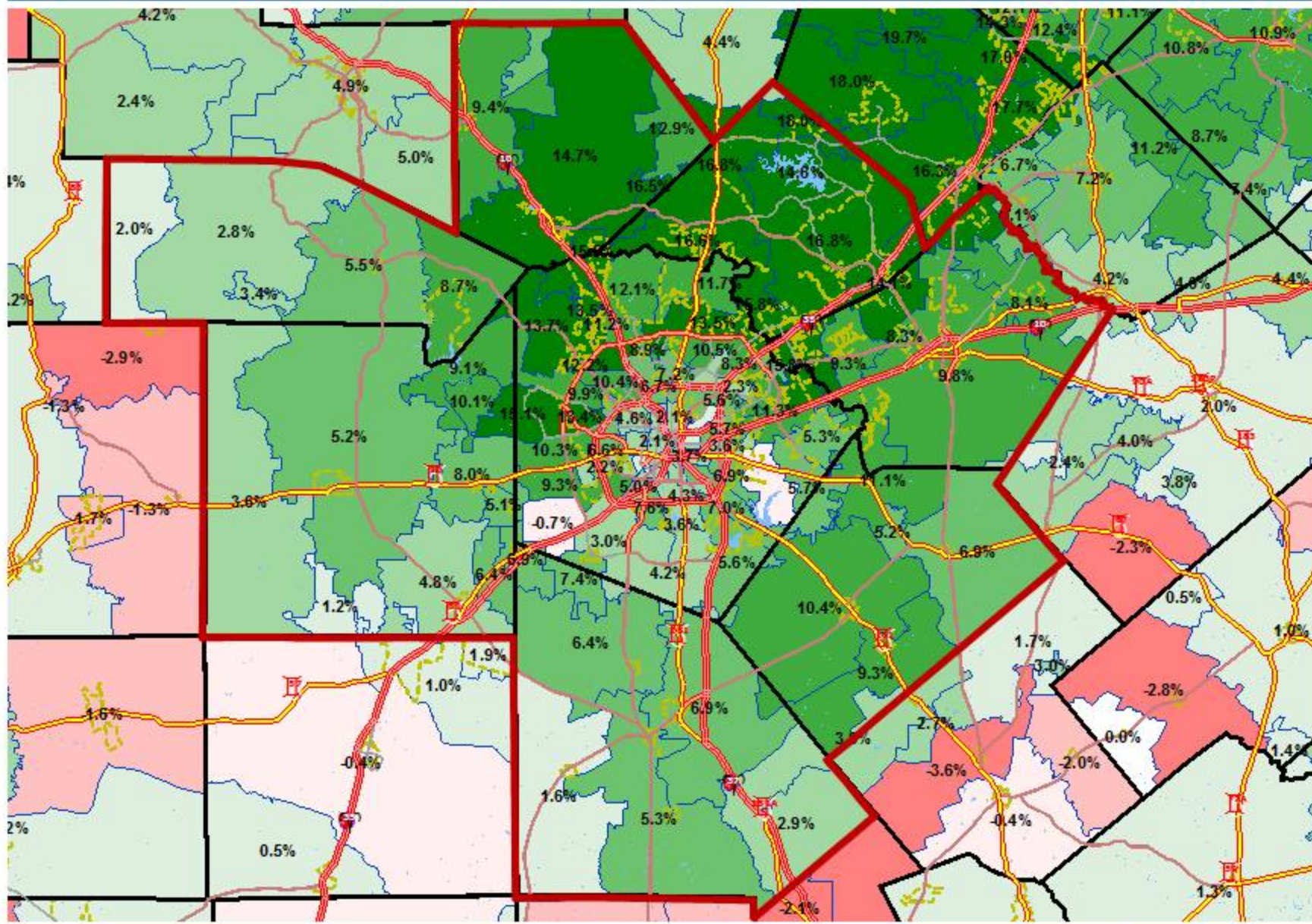
III. Demographic Analysis 2011 0 - 17 Population⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

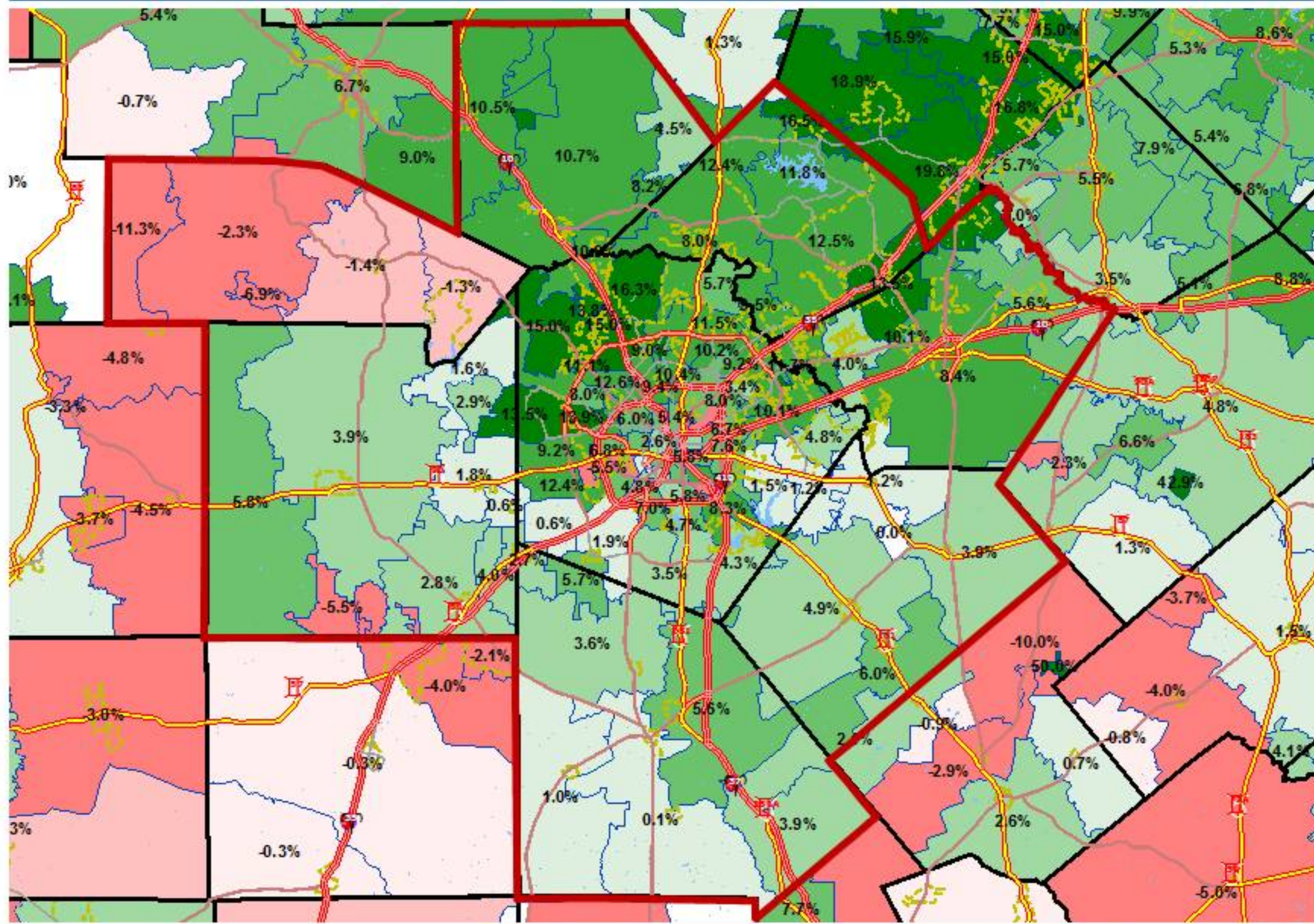
Percentage Total Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

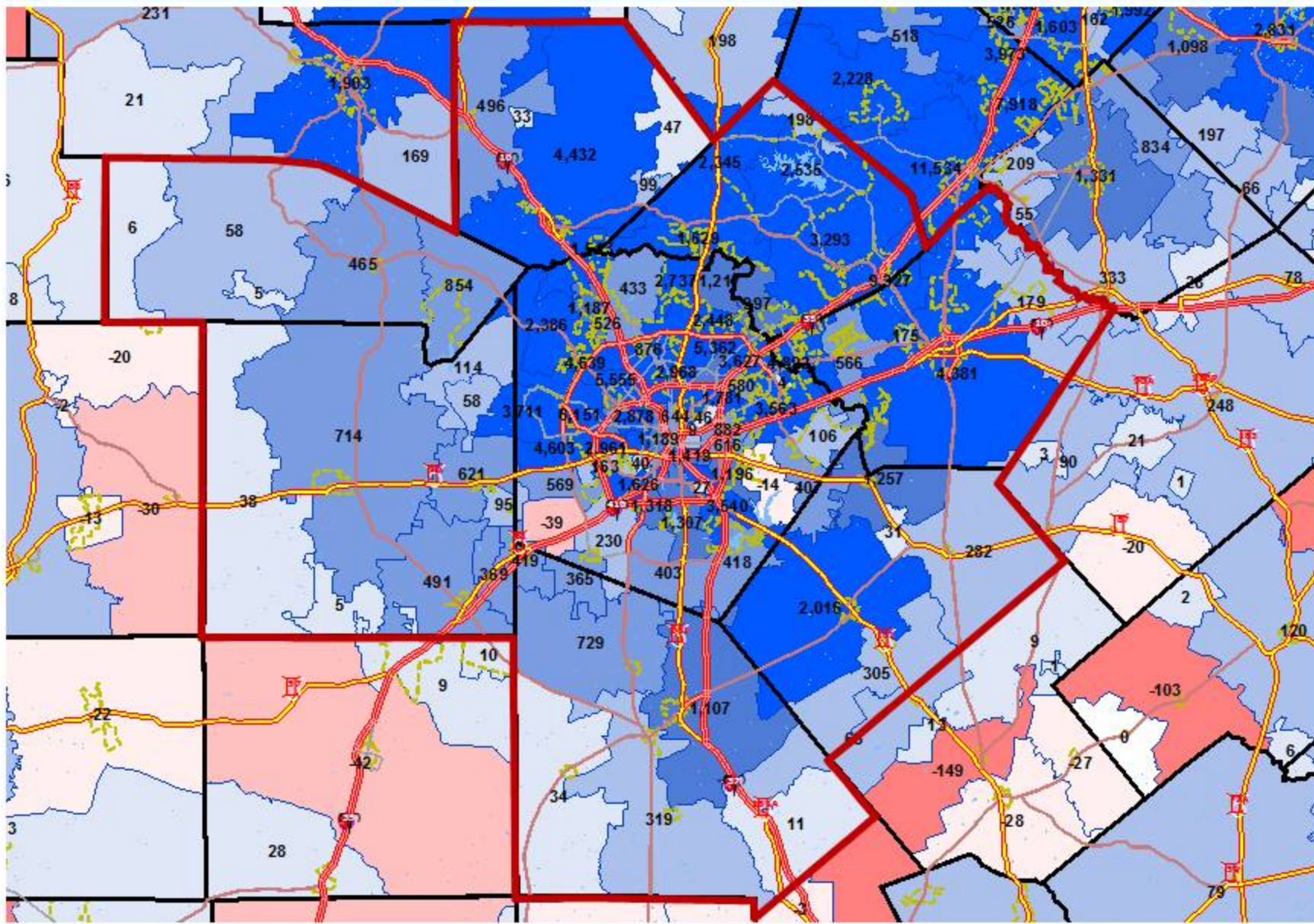
Percentage 0 - 17 Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

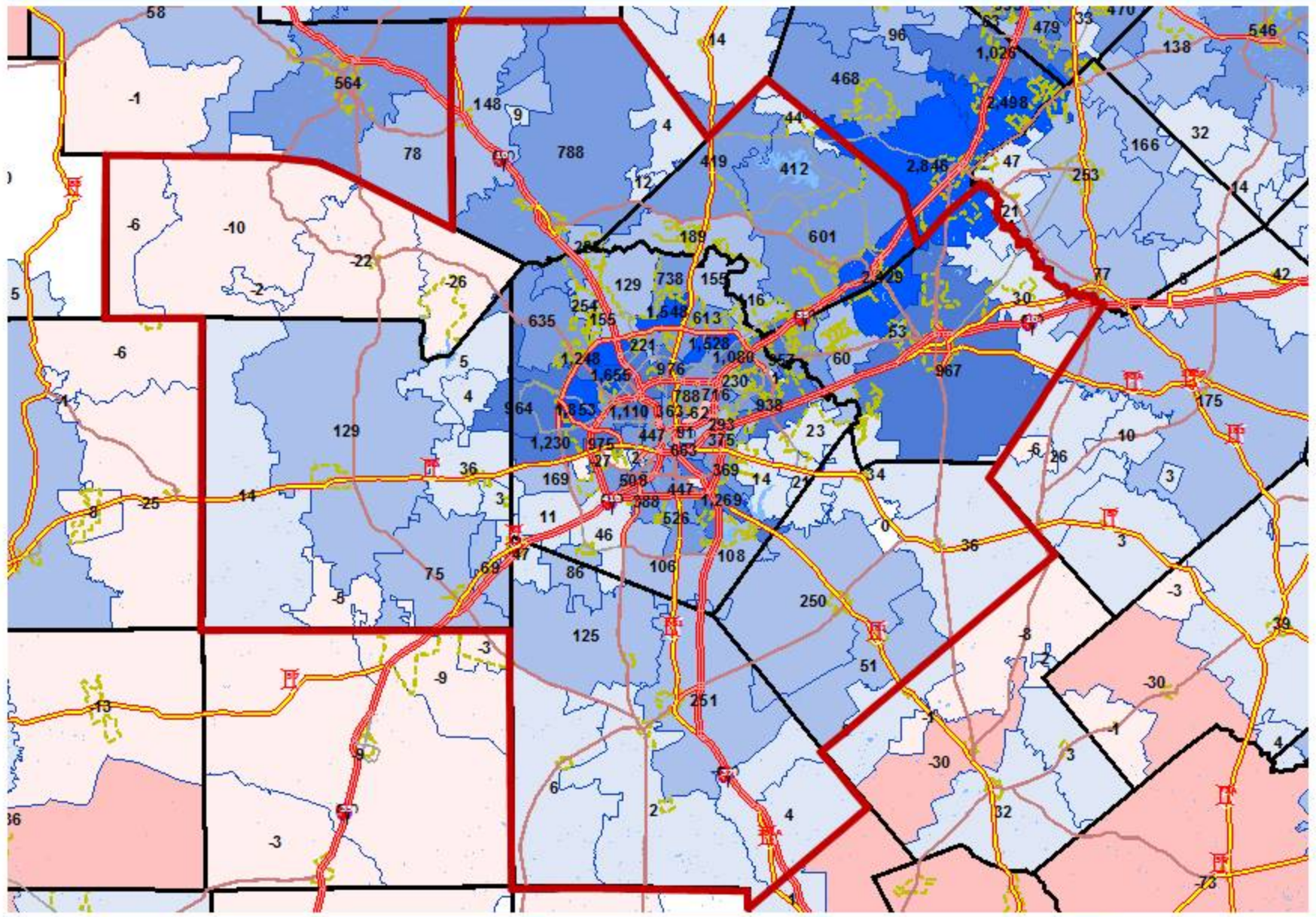
Absolute Total Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

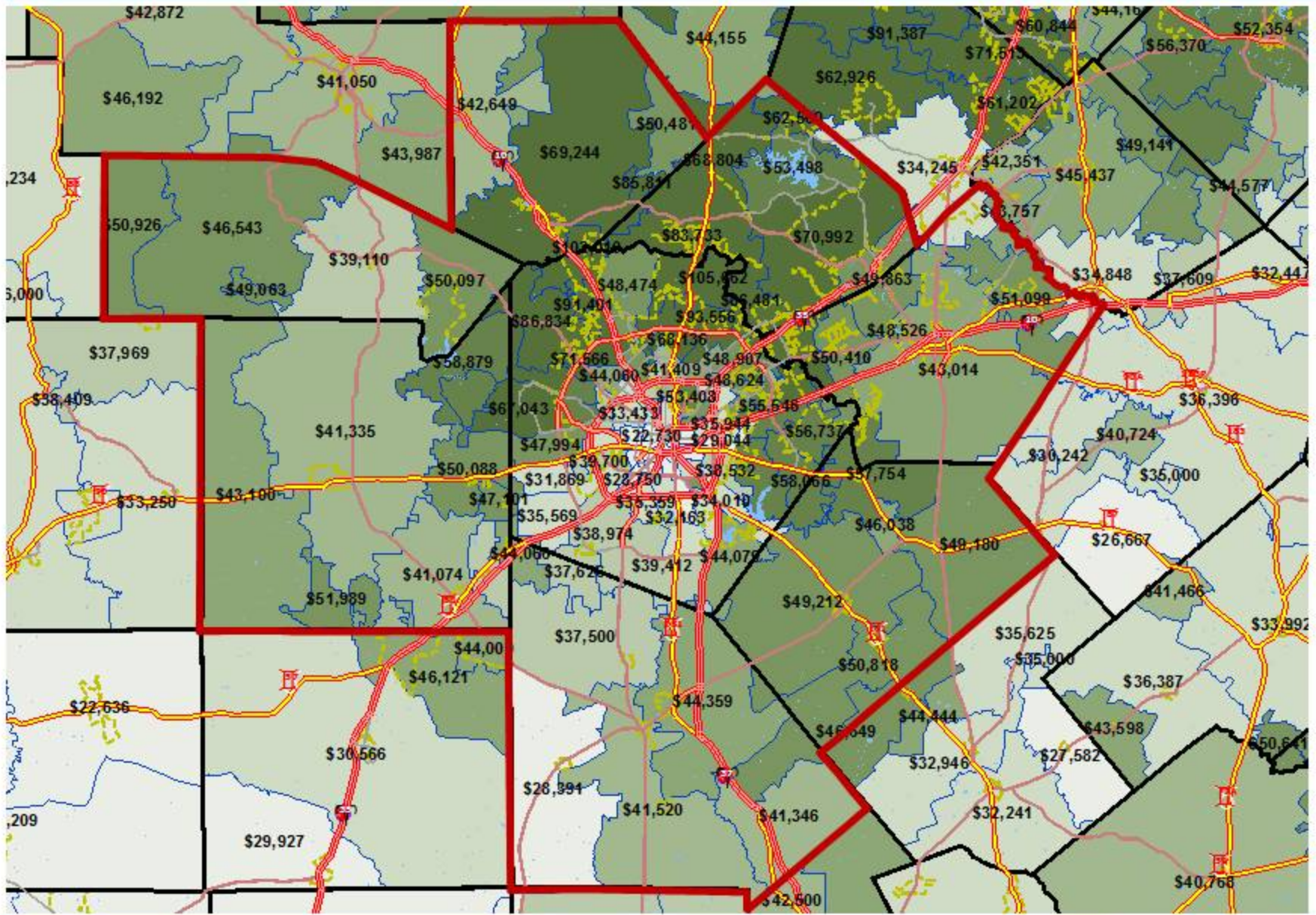
Absolute 0 - 17 Population Growth 2010 - 2015⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

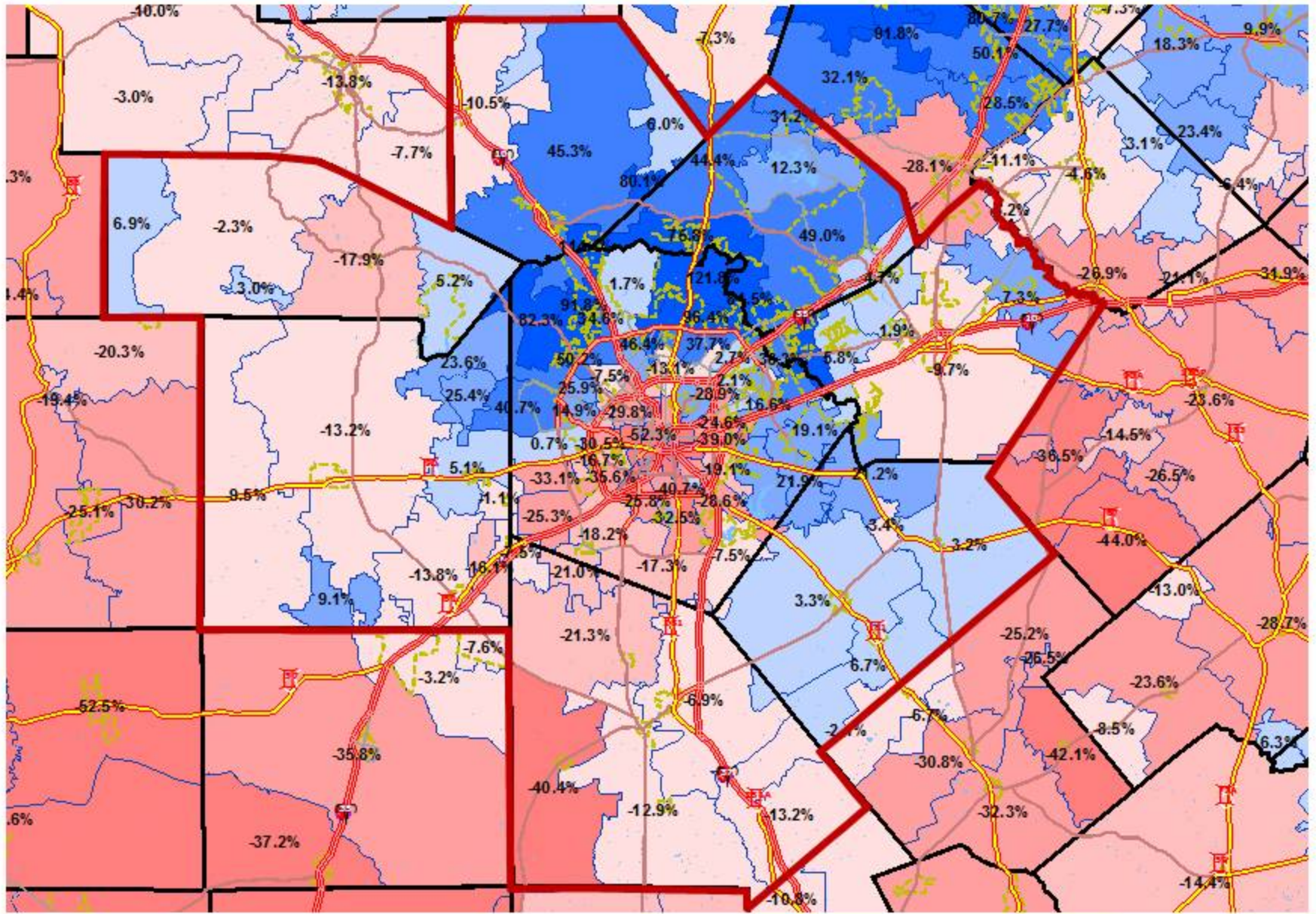
2011 Median Household Income⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

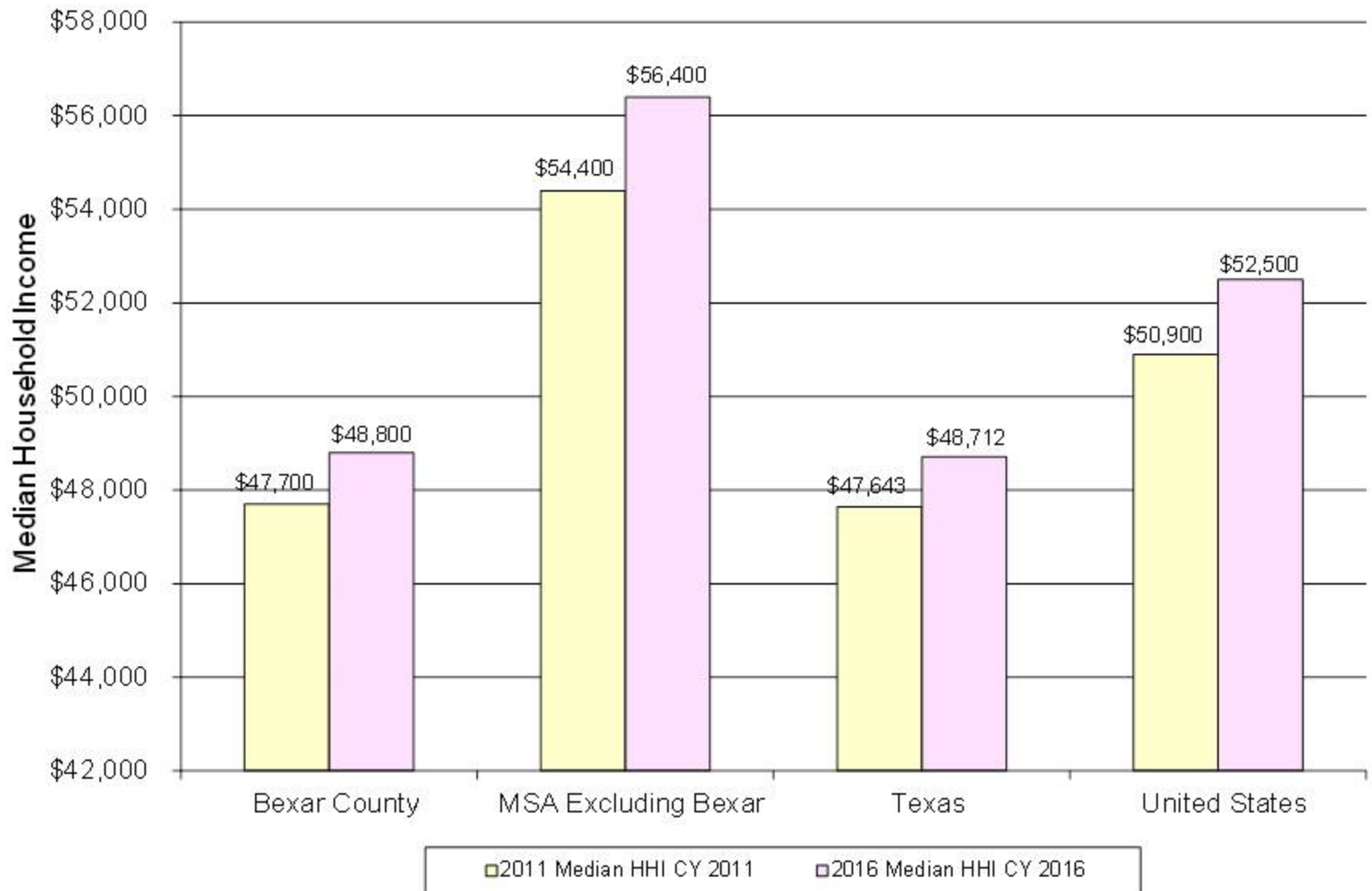
2011 Median Household Income % Above or Below Bexar County Average ⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

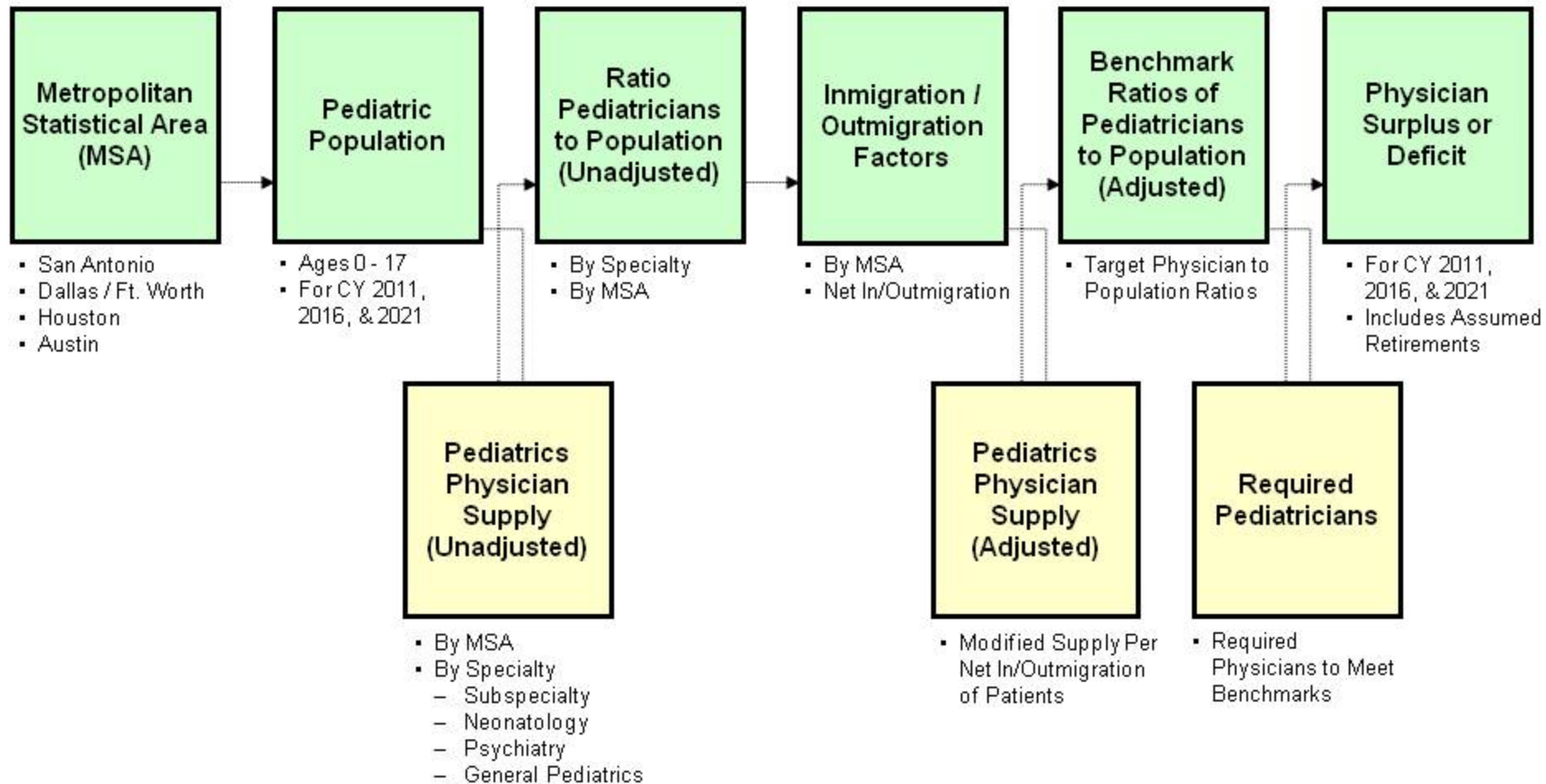
2011 – 2016 Median Household Income⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

IV. Pediatric Subspecialist Demand Analysis

Approach



IV. Pediatric Subspecialist Demand Analysis

2011 Physician Demand Analysis

Count	Pediatric Subspecialties	San Antonio MSA Physician Supply (Adjusted)	San Antonio MSA Physician to Population Ratio	Benchmark Physician to Population Ratio	Required Physicians To Meet Benchmark	San Antonio MSA Physician Surplus/Deficit
1	Allergy / Immunology	4.0	0.7	1.4	8.1	(4.1)
2	Anesthesiology	8.5	1.4	2.0	11.6	(3.2)
3	Cardiology	10.4	1.8	2.4	14.3	(4.0)
4	Cardiothoracic Surgery	1.7	0.3	0.1	0.7	0.9
5	Critical Care	13.9	2.4	1.7	9.8	4.2
6	Dermatology	1.3	0.2	0.3	1.5	(0.3)
7	Developmental Pediatrics	3.4	0.6	0.4	2.6	0.8
8	Emergency Medicine	19.4	3.3	2.5	14.5	4.9
9	Endocrinology	4.2	0.7	1.2	7.0	(2.7)
10	Gastroenterology	5.1	0.9	1.2	6.9	(1.8)
11	Genetics	0.0	0.0	0.6	3.8	(3.8)
12	Gynecology	0.0	0.0	0.1	0.3	(0.3)
13	Hematology / Oncology	5.1	0.9	2.6	15.3	(10.2)
14	Infectious Diseases	2.1	0.4	1.1	6.6	(4.5)
15	Neonatology	33.2	5.6	5.7	33.4	(0.2)
16	Nephrology	4.6	0.8	0.7	4.0	0.7
17	Neurology	5.9	1.0	1.6	9.2	(3.3)
18	Neurosurgery	4.2	0.7	0.2	1.1	3.2
19	Nuclear Medicine	0.0	0.0	0.0	0.1	(0.1)
20	Ophthalmology	2.1	0.4	0.4	2.6	(0.4)
21	Orthopedics	5.1	0.9	0.5	3.1	2.0
22	Otolaryngology	2.5	0.4	0.6	3.3	(0.8)
23	Pathology	3.4	0.6	0.4	2.5	0.9
24	PM&R	1.7	0.3	0.2	1.3	0.4
25	Plastic Surgery	1.3	0.2	0.0	0.0	1.3
26	Psychiatry	34.0	5.8	8.2	48.4	(14.4)
27	Pulmonary Medicine	8.0	1.4	0.9	5.3	2.8
28	Radiology	5.9	1.0	1.1	6.5	(0.6)
29	Rheumatology	0.8	0.1	0.4	2.4	(1.6)
30	Sports Medicine	0.8	0.1	0.1	0.8	0.1
31	Surgery	5.1	0.9	1.0	5.9	(0.9)
32	Transplant	0.0	0.0	0.0	0.0	0.0
33	Urology	2.1	0.4	0.3	1.9	0.2
	Total	199.9	34.0	39.9	234.6	(34.7)
	Total Excluding Psych & Neonat.	132.7	22.6	26.0	152.8	(20.1)
	General Pediatrics	221.4	37.6	44.9	264.1	(42.7)

IV. Pediatric Subspecialist Demand Analysis

2011 Physician Demand Analysis

- Demand Analysis indicates a current deficit of approximately 20 Pediatric Subspecialists and 43 General Pediatricians in the San Antonio MSA... this deficit is expected to increase substantially in the coming years due to physician retirements and increased demand (see following pages)
- Physician Surplus or Deficit calculations based on a quantitative analysis, however appear to be in agreement with general qualitative perceptions
- Subspecialties with a current deficit of at least 1.0 physicians include:
 - Allergy / Immunology – Gastroenterology – Neurology
 - Anesthesiology – Genetics – Psychiatry
 - Cardiology – Hematology/Oncology – Rheumatology
 - Endocrinology – Infectious Diseases
- Discrepancies between the quantitative model and qualitative perceptions may be due to:
 - Incorrect categorization of Pediatric Subspecialties in Benchmark MSA's
 - Adequate services provided by physicians not included in analysis (e.g. Radiology, Gynecology)
- Notes:
 - Table of Pediatric Subspecialists reflects the most current information available, however Physician Supply in any large market is subject to constant change due primarily to recruitment, relocations, and retirements.
 - Considerable overlap exists between patients treated by General Pediatrics and Family Practice physicians which were not analyzed as part of this project

IV. Pediatric Subspecialist Demand Analysis

2016 Physician Demand Analysis

Count	Pediatric Subspecialties	San Antonio MSA Physician Supply (Adjusted)	San Antonio MSA Physician to Population Ratio	Benchmark Physician to Population Ratio	Required Physicians To Meet Benchmark	San Antonio MSA Physician Surplus/Deficit
1	Allergy / Immunology	3.0	0.5	1.4	8.7	(5.8)
2	Anesthesiology	8.5	1.3	2.0	12.6	(4.1)
3	Cardiology	7.6	1.2	2.4	15.5	(7.9)
4	Cardiothoracic Surgery	1.7	0.3	0.1	0.8	0.9
5	Critical Care	13.9	2.2	1.7	10.6	3.4
6	Dermatology	1.3	0.2	0.3	1.7	(0.4)
7	Developmental Pediatrics	3.4	0.5	0.4	2.8	0.6
8	Emergency Medicine	17.7	2.8	2.5	15.7	2.1
9	Endocrinology	4.0	0.6	1.2	7.5	(3.5)
10	Gastroenterology	5.1	0.8	1.2	7.4	(2.3)
11	Genetics	0.0	0.0	0.6	4.1	(4.1)
12	Gynecology	0.0	0.0	0.1	0.3	(0.3)
13	Hematology / Oncology	4.9	0.8	2.6	16.6	(11.7)
14	Infectious Diseases	2.1	0.3	1.1	7.2	(5.1)
15	Neonatology	26.8	4.2	5.7	36.1	(9.4)
16	Nephrology	3.4	0.5	0.7	4.3	(0.9)
17	Neurology	3.4	0.5	1.6	9.9	(6.6)
18	Neurosurgery	4.2	0.7	0.2	1.1	3.1
19	Nuclear Medicine	0.0	0.0	0.0	0.1	(0.1)
20	Ophthalmology	2.1	0.3	0.4	2.8	(0.6)
21	Orthopedics	5.1	0.8	0.5	3.3	1.7
22	Otolaryngology	2.5	0.4	0.6	3.6	(1.0)
23	Pathology	2.5	0.4	0.4	2.7	(0.2)
24	PM&R	1.7	0.3	0.2	1.4	0.3
25	Plastic Surgery	1.3	0.2	0.0	0.0	1.3
26	Psychiatry	28.0	4.4	8.2	52.4	(24.3)
27	Pulmonary Medicine	7.2	1.1	0.9	5.7	1.5
28	Radiology	5.9	0.9	1.1	7.0	(1.1)
29	Rheumatology	0.0	0.0	0.4	2.6	(2.6)
30	Sports Medicine	0.8	0.1	0.1	0.8	0.0
31	Surgery	5.1	0.8	1.0	6.4	(1.3)
32	Transplant	0.0	0.0	0.0	0.0	0.0
33	Urology	1.7	0.3	0.3	2.0	(0.3)
	Total	174.8	27.5	39.9	253.9	(79.0)
	Total Excluding Psych & Neonat.	120.0	18.9	26.0	165.3	(45.3)
	General Pediatrics	202.8	31.9	44.9	285.8	(83.0)

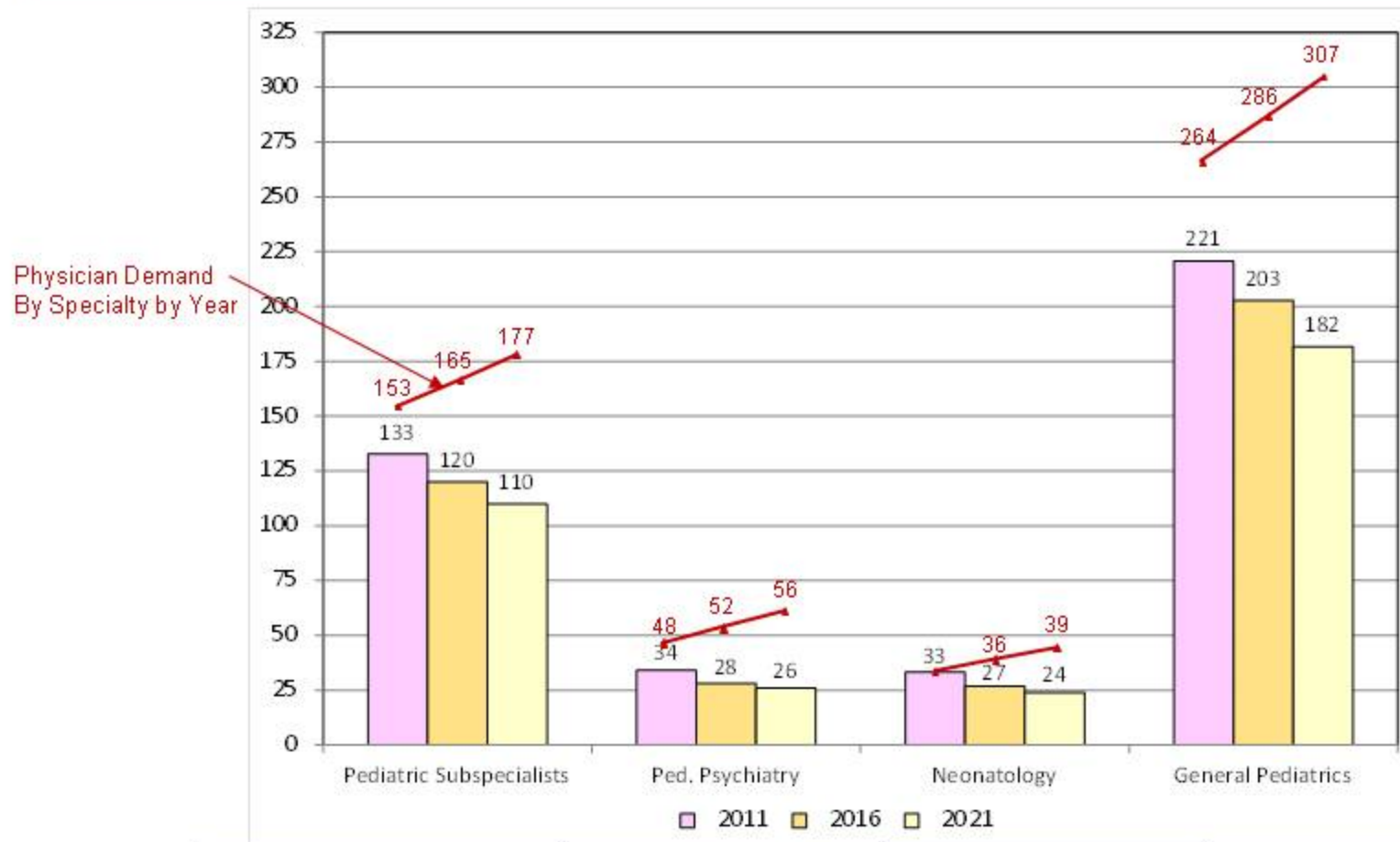
IV. Pediatric Subspecialist Demand Analysis

2021 Physician Demand Analysis

Count	Pediatric Subspecialties	San Antonio MSA Physician Supply (Adjusted)	San Antonio MSA Physician to Population Ratio	Benchmark Physician to Population Ratio	Required Physicians To Meet Benchmark	San Antonio MSA Physician Surplus/Deficit
1	Allergy / Immunology	2.1	0.3	1.4	9.4	(7.3)
2	Anesthesiology	8.5	1.2	2.0	13.5	(5.1)
3	Cardiology	6.8	1.0	2.4	16.6	(9.9)
4	Cardiothoracic Surgery	1.7	0.2	0.1	0.9	0.8
5	Critical Care	13.9	2.0	1.7	11.4	2.6
6	Dermatology	1.3	0.2	0.3	1.8	(0.5)
7	Developmental Pediatrics	3.0	0.4	0.4	3.0	(0.1)
8	Emergency Medicine	16.1	2.3	2.5	16.8	(0.8)
9	Endocrinology	3.2	0.5	1.2	8.1	(4.9)
10	Gastroenterology	5.1	0.7	1.2	8.0	(2.9)
11	Genetics	0.0	0.0	0.6	4.4	(4.4)
12	Gynecology	0.0	0.0	0.1	0.4	(0.4)
13	Hematology / Oncology	4.9	0.7	2.6	17.8	(12.9)
14	Infectious Diseases	1.7	0.2	1.1	7.7	(6.0)
15	Neonatology	24.0	3.5	5.7	38.8	(14.8)
16	Nephrology	3.4	0.5	0.7	4.6	(1.2)
17	Neurology	3.4	0.5	1.6	10.7	(7.3)
18	Neurosurgery	4.2	0.6	0.2	1.2	3.0
19	Nuclear Medicine	0.0	0.0	0.0	0.1	(0.1)
20	Ophthalmology	2.1	0.3	0.4	3.0	(0.9)
21	Orthopedics	5.1	0.7	0.5	3.6	1.5
22	Otolaryngology	2.5	0.4	0.6	3.8	(1.3)
23	Pathology	2.5	0.4	0.4	2.9	(0.4)
24	PM&R	0.8	0.1	0.2	1.5	(0.7)
25	Plastic Surgery	1.3	0.2	0.0	0.0	1.3
26	Psychiatry	25.9	3.8	8.2	56.2	(30.4)
27	Pulmonary Medicine	5.5	0.8	0.9	6.1	(0.6)
28	Radiology	4.2	0.6	1.1	7.5	(3.3)
29	Rheumatology	0.0	0.0	0.4	2.8	(2.8)
30	Sports Medicine	0.8	0.1	0.1	0.9	(0.0)
31	Surgery	4.2	0.6	1.0	6.9	(2.7)
32	Transplant	0.0	0.0	0.0	0.0	0.0
33	Urology	1.7	0.2	0.3	2.2	(0.5)
	Total	159.8	23.4	39.9	272.5	(112.7)
	Total Excluding Psych & Neonat.	109.9	16.1	26.0	177.5	(67.6)
	General Pediatrics	181.7	26.6	44.9	306.8	(125.1)

IV. Pediatric Subspecialist Demand Analysis

San Antonio Pediatric Specialists – Supply vs. Demand by Year⁽¹⁾



	Physician Supply			Physician Demand			Surplus / Deficit		
	2011	2016	2021	2011	2016	2021	2011	2016	2021
Pediatric Subspecialists	133	120	110	153	165	177	(20)	(45)	(68)
Ped. Psychiatry	34	28	26	48	52	56	(14)	(24)	(30)
Neonatology	33	27	24	33	36	39	(0)	(9)	(15)
General Pediatrics	221	203	182	264	286	307	(43)	(83)	(125)
Total	421	378	341	499	540	579	(77)	(162)	(238)

(1) Note: Physician Supply adjusted for Immigration / Outmigration

(2) Note: Future Physician Supply assumes retirement at age 70

Appendix

2011 San Antonio Pediatric Subspecialist Supply

Pediatric Subspecialists	Group Affiliation
Allergy / Immunology Dilley, Dennis E Fuentes, David Gonzalez-Reyes, Erika Infante, Anthony J Kniker, William T Wood, Dale A	Dilley Allergy & Asthma Specialists LLP Allergy & Asthma Center of Boerne Allergy, Asthma & Immunology Assoc of STX UT Medicine San Antonio Allergy, Asthma & Immunology Assoc of STX South west Asthma and Allergy Clinic
Anesthesiology Day, Randall W Furman, Joseph R Gotimukula, Anupama Jackson, Marnie King, Joseph Koster, Kim R Limon, David T Mathewson, Mia M Morse, David S Pollard, Trevor G Rasch, Deborah K Sehgal, Savitha D Zaragoza, Fernando L	Tejas Anesthesia PA Pediatric Anesthesia Consultants of SA PLLC Pediatric Anesthesia Consultants of SA PLLC Pediatric Anesthesia Consultants of SA PLLC No Group Pediatric Anesthesia Consultants of SA PLLC Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA Tejas Anesthesia PA
Cardiology Ahmed, Shah-Hinan Bloom, Kenneth R Brownlee, John R Bush, David M Curzon, Christopher Glasow, Patrick F Hospers, Teresa A Lee, Da-Hae Maldonado-Campbell, Elaine M Milhoan, Kirk A Patel, Jatin N Phillips, Brandon Porisch, Mary E Rebollo, Jose R Rogers, James H Zamora-Salinas, Rolando	UT Medicine San Antonio Pediatric Cardiology Assoc Pediatric Cardiology Assoc UT Medicine San Antonio Children's Heart Network Children's Heart Network Pediatric Cardiology Assoc South Texas Perinatal Cardiology Children's Heart Network UT Medicine San Antonio Pediatric Cardiology Assoc Pediatric Cardiology Assoc Pediatric Cardiology Assoc No Group Children's Heart Network Pediatric Cardiology Assoc
Cardiothoracic Surgery Calhoun, John H Kupferschmid, John	CHRISTUS Santa Rosa Children's Hospital Texas Institute of Pediatrics

Pediatric Subspecialists	Group Affiliation
Critical Care Armijo-Garcia, Veronica Dinh, Anh T Froehlich, Curtis D Guillory, Karen Habash, Michelle L Holder, Amy D Jones, Caroline M Kofos, Danny M Lopez, Adriana M Mayes, Thomas C Pietz, Clint A Reyes, Joel A Sedillo, Daniel J Son, Minnette T Taylor, Richard P Tenner, Patricia A Tong, Timothy K Woosley, Clinton R Zuckerman, Samuel L	UT Medicine San Antonio UT Medicine San Antonio UT Medicine San Antonio Children's Critical Care Specialists PLLC UT Medicine San Antonio Children's Critical Care Specialists PLLC Children's Critical Care Specialists PLLC Children's Critical Care Specialists PLLC Children's Critical Care Specialists PLLC UT Medicine San Antonio UT Medicine San Antonio UT Medicine San Antonio No Group UT Medicine San Antonio UT Medicine San Antonio Children's Critical Care Specialists PLLC No Group UT Medicine San Antonio Not Available
Dermatology Browning, John C Perry, Van E	UT Medicine San Antonio WellMed at Greenway Park
Developmental Pediatrics Del Angel, Alma P Harkins, Patricia M Penkava, Jeri L Penon, Daniel G Tran, Nhung T	Autism Community Network No Group ADHD Plus Children's Night Clinic UT Medicine San Antonio

Appendix

2011 San Antonio Pediatric Subspecialist Supply

Pediatric Subspecialists	Group Affiliation
Emergency Medicine Bassett, Kathleen E Bates, Brian A Beamer, Cynthia L Berkenkamp, Marie T Callanan, Deborah L Cantu, Santos Dire, Daniel J Dubois, Dale Fastle, Rebecca K Gibson, William A Goetz, Joseph T Gowan, Thomas J Hartstein, Bonnie H Maxwell, SA Mayer, Gerald T Nagel, Thomas R Perkins, Sabrina Porrata, Edward A Potter, Allen Rafael, Marita L Rittichier, Kristine Rodkey, Mark L Sanders, Virginia Silverman, Morey J	Not Available Greater San Antonio Emergency Physicians PA No Group Greater San Antonio Emergency Physicians PA No Group No Group No Group River City Pediatric Emergency Physicians Greater San Antonio Emergency Physicians PA No Group No Group Texas In Patient Pediatrics River City Pediatric Emergency Physicians Pediatrics & Adolescents North Central Urgent Care Greater San Antonio Emergency Physicians PA Greater San Antonio Emergency Physicians PA Greater San Antonio Emergency Physicians PA Greater San Antonio Emergency Physicians PA No Group Greater San Antonio Emergency Physicians PA No Group River City Pediatric Emergency Physicians No Group
Endocrinology Danish, Robert K Danney, Mark M Hale, Daniel E Lynch, Jane L Orsi, Carisse M Pankratz, Lauren Ann Rogers, William M Straight, Anne Marie	UT Medicine San Antonio Diabetes & Glandular Disease Clinic PA UT Medicine San Antonio UT Medicine San Antonio UT Medicine San Antonio Diabetes & Glandular Disease Clinic PA UT Medicine San Antonio Diabetes & Glandular Disease Clinic PA
Gastroenterology Abdelhadi, Ruba Biediger, William Brigman, Catherine Elizondo, Ben J Ibarguen-Secchia, Eduardo Mittal, Naveen	UT Medicine San Antonio UT Medicine San Antonio Pediatric Digestive Care of SA Pediatric Digestive Care of SA Pediatric Digestive Care of SA UT Medicine San Antonio

Pediatric Subspecialists	Group Affiliation
Hematology / Oncology Alter, Nejemie Estrada, Jaime Frei-Jones, Melissa J Langevin, Anne-Marie R Moore, Reginald H Patel, Mahendra C Quezada, Gerardo Shah, Shafqat Thomas, Paul J Tomlinson, Gail E	Not Available Pediatric Specialists of Texas UT Medicine San Antonio UT Medicine San Antonio UT Medicine San Antonio No Group Pediatric Specialists of Texas UT Medicine San Antonio UT Medicine San Antonio UT Medicine San Antonio
Bone Marrow Transplant Chan, Ka Wah Jude, Veronica H Madden, Renee M	Texas Transplant Physician Group PLLC Texas Transplant Physician Group PLLC Texas Transplant Physician Group PLLC
Hospitalist Chapa, Maria D Parghi, Shavari R Payne, Rose Z Watson, Rebecca L	IPC - The Hospitalist Company IPC - The Hospitalist Company Ultra Health Care PA IPC - The Hospitalist Company
Infectious Diseases Atkins, Jane T Conrad, Dennis Doran, Terence I	No Group UT Medicine San Antonio UT Medicine San Antonio
Nephrology Arar, Mazen Carvajal, Hugo F Irwin, Kimberly C Musharaf, Gulam H Ranch, Daniel Rowe, Janet L	Not Available Not Available No Group UT Medicine San Antonio UT Medicine San Antonio Pediatric Specialty
Neurology Castro-Reyes, Wilfred Gross, Sheldon G Lindley, Anna Maria Richards, Karen C Rotenberg, Joshua Saravia, Jorge A Seals, John R Tomasovic, Jerry J	No Group South Texas Neurology Assoc UT Medicine San Antonio No Group No Group No Group No Group Texas Association of Pediatric Neurology

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2011 San Antonio Pediatric Subspecialist Supply

Pediatric Subspecialists	Group Affiliation
Neurosurgery Megahed, Hatem Rose Genusso Mancuso Patricia Terry, Kimberly Tullous Micam	Not Available Not Available Not Available Lonestar Neurosurgery Not Available
Ophthalmology Berry, Susan M Cohen, Jeffrey McCash, Charles S	Alamo City Eye Physicians Medical Center Ophthalmology Assoc Children's Eye Center of S Tx
Orthopedics Edeen, John Koeck, William K Ritchie, Eric R Stefko, Raymond M Warman, Jeffrey R Magnabosco, Elizabeth	Pediatric Orthopedic Assoc of SA UT Medicine San Antonio Pediatric Orthopedic Assoc of SA Pediatric Orthopedic Assoc of SA Pediatric Orthopedic & Scoliosis Not Available
Otolaryngology Bonilla, Juan A Moe, R Donald Stavinocha, Rose C	Pediatric Ear, Nose & Throat Inst of S Tx Pediatric Ear, Nose & Throat Inst of S Tx Pediatric Ear, Nose & Throat Inst of S Tx
Pathology Hayes, Teresa C Heim-Hall, Josefine Lancaster, Kristen J Saldivar, Victor A	South Texas Pathology Assoc UT Medicine San Antonio South Texas Pathology Assoc Pathology Associates of SA
Plastic Surgery Mason, Aaron C Wang, Peter	South Texas Health Alliance Not Available
PM&R Currie, Donald M Leonard, Ellen I	UT Medicine San Antonio South Texas PM & R Group
Pulmonary Medicine Deane, Daniel Dove, Amanda M German, Victor F Hentschel-Franks, Karen A Kirchner, Lee Morse, Martha R Patel, Tarak J Pineiro, Ricardo F Smith, Kelly J Willey-Courand, Donna B	Not Available No Group UT Medicine San Antonio UT Medicine San Antonio No Group Pediatric Specialists of Texas Texas Medical & Sleep Specialists No Group Texas Medical & Sleep Specialists UT Medicine San Antonio

Pediatric Subspecialists	Group Affiliation
Radiology Dunlap, Joel A Hendrick, Eric P Kelley, Marshall W Maria-Gisela, Mercado-Deane G Rajvee, Shah M Ramirez, Rosa E Rugh, Kenneth S	South Texas Radiology Group PA South Texas Radiology Group PA Not Available Not Available Not Available South Texas Radiology Group PA South Texas Radiology Group PA
Rheumatology Cole, Joe Lynn	Not Available
Sports Medicine Gomez, Jorge E	Champion Sports Medicine
Surgery Baldwin, Charles E Cofer, Barry R Doski, John J Kidd, Joseph N Robertson, Frank M Thomas, Robert P	No Group San Antonio Pediatric Surgery Assoc San Antonio Pediatric Surgery Assoc San Antonio Pediatric Surgery Assoc San Antonio Pediatric Surgery Assoc San Antonio Pediatric Surgery Assoc
Urology Bartholomew, Thomas H Leslie, Jeffrey A Peppas, Dennis S Prieto, Juan Carlos	Children's Urology UT Medicine San Antonio UT Medicine San Antonio Not Available

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2011 San Antonio Pediatric Subspecialist Supply - Neonatology

Neonatologist Name	Group Affiliation
Berkus, Michael D	UT Medicine San Antonio
Conway, Deborah L	UT Medicine San Antonio
Dudley, Donald J	UT Medicine San Antonio
Gordon, Michael C	The Center for Maternal Fetal Care
Higby, Kenneth	The Center for Maternal Fetal Care
Huff, Robert W	UT Medicine San Antonio
McFarland, Melinda B	Perinatal & Fertility Specialists of SA PA
Parker, Jason A	UT Medicine San Antonio
Stewart, Theresa L	Texas Perinatal Group
Xenakis, Ely MJ	UT Medicine San Antonio
Agrawal, Remedios C	Pediatric Medical Group of Texas
Basaldu-Prado, Isabel M	Pediatric Medical Group of Texas
Battista, Michael A	Pediatric Medical Group of Texas
Biel, Timothy	Pediatric Medical Group of Texas
Corbet, Anthony J	Pediatric Medical Group of Texas
DeYoung, Peter	Pediatric Medical Group of Texas
Franklin, Lawrence C	No Group
Garza-Cox, San Juanita	Pediatric Medical Group of Texas
Gonzalez, Alejandro B	Pediatric Medical Group of Texas
Gresores, Adrian	Pediatric Medical Group of Texas
Henderson, Cody L	Pediatric Medical Group of Texas
Hilliard, J Leonard	Pediatric Medical Group of Texas
Holler, Bernd	Pediatric Medical Group of Texas
Isaac, Johnson	Pediatric Medical Group of Texas
Keidel, Werner N	Pediatric Medical Group of Texas
Kenton, Alexander B	Pediatric Medical Group of Texas
Lam, David T	Pediatric Medical Group of Texas
Magloire, Uissa	Texas Perinatal Group
Meier, Primrose C	Pediatric Medical Group of Texas
Molina, Blanca C	Pediatric Medical Group of Texas
Ortiz, Amil	Pediatric Medical Group of Texas
Paul, Jeffrey V	Pediatric Medical Group of Texas
Pierce, Maria R	Pediatric Medical Group of Texas
Powers, George C	Pediatric Medical Group of Texas
Romeu, Jorge	Pediatric Medical Group of Texas
Wearden, Mary E	Pediatric Medical Group of Texas

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2011 San Antonio Pediatric Subspecialist Supply – *Pediatric Psychiatry*

Pediatric Psychiatrist	Group Affiliation
Amrung, Suchakorn A	No Group
Bailey, Brigitte Y	UT Medicine San Antonio
Ballard, Rachel R	CentroMed Health and Wellness Center
Batenburg, Caroline C	No Group
Beck, Patricia A F	No Group
Brenz, Ronald W	Behavioral Health Management Services
Burnside, John C	ADHD Clinic of San Antonio
Campos, Juan I	No Group
Cepeda, Claudio	Southwest Psychiatric Physicians
Cohen, Melvin L	North Central Psychiatrist Associates
Daviss, William B	UT Medicine San Antonio
Dawes, Michael A	UT Medicine San Antonio
Deeves, Shawna M	No Group
Demoor, Thomas M	No Group
Dominguez, Maria G	The Center for Health Care Services
Farrell, Margaret R	UT Medicine San Antonio
Fernandez, Benigno J	River Ridge Behavioral Health
Ferruzzi, Giancarlo R	No Group
Garcia-Holguin, Mary	South Texas Behavioral Medicine
Garrison, Stephen	The Center for Health Care Services
Gotanco, Lucille M	Southwest Psychiatric Physicians
Hardaway, Thomas G	The Center for Health Care Services
Harper, John K	No Group
Hernandez, Joseph M	River Ridge Behavioral Health
Hogan, Marguerite I	Point of Change
Holden, Patrick	UT Medicine San Antonio
Howe, Don D	Family Counseling Services
Istafanous, Ihab M	UT Medicine San Antonio
James, Kimberly D	Comal County Mental Health Center
Johnson, Patrice J	No Group
Kashyap, Vikram	Alamo Mental Health Group
Lopez, Lydia R	No Group
Lucas, Leslie R	Camino Real Community MHMR Ctr
Macedo, Carlos A	The Center for Health Care Services
Martin, Andrew H	No Group
Martini, Sharon R	No Group
Matthews, Thomas L	UT Medicine San Antonio
Medrano, Martha A	CommuniCare Health Centers
Merrin, George P	Merrin Psychiatric Association
Michelsen, Soad L	Southwest Psychiatric Physicians
Mitchell, Elizabeth L	No Group

Pediatric Psychiatrist	Group Affiliation
Olivera, Rene L	UT Medicine San Antonio
Pliszka, Steven R	UT Medicine San Antonio
Price, Clinton C	Bluebonnet Trails Community Svcs
Rao, Mrudula	South Texas Behavioral Medicine
Rodriguez, Moises G	No Group
Rogness, Graham A	Southwest Psychiatric Physicians
Salinas-Garcia, Grace M	No Group
Samaniego, Hector X	No Group
Sant'Ambrogio, Giorgio	Laurel Ridge Treatment Center
Sargent, Charles H	No Group
Schillerstrom, Tracy L	No Group
Serrano, Alberto C	The Center for Health Care Services
Spratley, Kristen R	ADHD Clinic of San Antonio
Starling, Kelley	Hartt Medical Group
Surya, Gundlapalli	No Group
Talley, Brenda J	UT Medicine San Antonio
Tobis, John	Southwest Psychiatric Physicians
Vanderpool, Beverly J	The Center for Health Care Services
Vela, Vanessa L	The Center for Health Care Services
Wicoff, James S	No Group
Williams, E P Ted	Genesis Neuropsychiatric Center
Wynne, Susan K	No Group

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2011 San Antonio Pediatric Subspecialist Supply – General Pediatrics

Pediatrician	Group Affiliation
Abrams, Jerri L	North west Pediatrics Assoc PA
Abraham-Cox, Gloria	Not Available
Aeschlimann, Carlos A	South Texas Center for Pediatric Care
Aguilera-Hernandez, Maria D	No Group
Ahad, Rubina	South Texas Center for Pediatric Care
Anguiano, Grizelda	Children's Critical Care Specialists PLLC
Anunobj, Endaline A	South Alamo Medical Group
Armstrong, Lee M	River City Pediatric Emergency Physicians
Arnold, J Laura	ABCD Pediatrics PA
Arroyo-Otero, Carmen	Alamo City Center for Autism
Artis, Daniellee	South Alamo Medical Group
Austin, Shannon	South west Children's Center PA
Basey, Mary S	ABCD Pediatrics PA
Bauer, Miriam C	Tejas Pediatrics PA
Beatty, Carrie S	Tejas Pediatrics PA
Belcher, Barbara P	Child Care Associates
Benbow, Marshall J	South west Children's Center PA
Berman, Paul M	No Group
Bernardy, Michelle	New Braunfels Pediatric Assoc
Bharani, Pandrangi	
Boecker, Anna M	No Group
Borenstein, Joseph	Pediatrics & Adolescents
Bourland, Sarah D	Stone Oak Pediatrics PA
Boylston, Tina H	South west Children's Center PA
Brandon, Heather B	Pedidocs
Brickman, Elizabeth S	No Group
Buck, Kathryn D	Parsi Pediatrics
Burns, Dianina M	South Texas Center for Pediatric Care
Cajas, Olga M	South Texas Center for Pediatric Care
Campbell, Corey L	Greater San Antonio Emergency Physicians PA
Cardenas, Jose A	Medical Center Pediatrics
Carlin, Vivian	No Group
Carranza, Alberto S	No Group
Castro, David M	Caring For Kids Pediatric
Cessna, Clay	Pedidocs Too @ Bulverde
Cevey, Renee	The Children's Clinic
Chacko, K Job	No Group
Chintapalli, Meena	A Thru Z Pediatrics PA
Chittum, Jennifer E	Children's Night Clinic
Christine, Johnson L	
Clay-Flores, Jose D	Children of Texas Pediatrics

Pediatrician	Group Affiliation
Cody, Stephen W	UT Medicine San Antonio
Cofer, Rose C	South west Children's Center PA
Coleman, Vincent N	A Plus Pediatrics PA
Connor, Dallas A	UT Medicine San Antonio
Cook, Linda S	Ultra Health Care PA
Cortada, Xavier R	Not Available
Cortez, Ray V	Clinica Del Norte Pediatrics
Cox, Alan D	UT Medicine San Antonio
Cuellar, Ricardo L	Viva Pediatrics
Cuming, G Scott	No Group
Dance-Kwan, DeAnna L	Ultra Health Care PA
Davenport, Crystal M	Children's Critical Care Specialists PLLC
Davis, Laura F	Pediatric Office
Deleon, Korina M	Centro Med South Park Medical Clinic
Diaz de Leon, David	Children's Critical Care Specialists PLLC
Donnel, James A	Children of Texas Pediatrics
Dooley, B Scott	North east Pediatric Associates
Doyle, Rocio M	South Texas Center for Pediatric Care
Ehlers, Sandra J	UT Medicine San Antonio
Elizondo, Joseph S	Texas MedClinic
Etheridge, Cecilia M	South Texas Center for Pediatric Care
Ethridge, Kathleen E	No Group
Ferrer, Aracely I	Caring For Kids Pediatric
Ferreis, Juan J	Children First Pediatrics
Fierro, Mario A	Pediatric Medical Group
Fischer, Steven R	ABCD Pediatrics PA
Fisher, James	River Valley Pediatrics
Fitch, John	The Children's Clinic
Franco, A, Dionne	North east Pediatric Associates
Fried, Jane D	North west Pediatrics Assoc PA
Gabriel, Hoda R	Northside Pediatric Clinic
Gabriel, Mary T	Northside Pediatric Clinic
Garcia Del Villar, Angel	San Antonio Pediatric Assoc
Garcia, Enrique A	No Group
Garcia, Melissa	New Braunfels Pediatric Assoc
Gardea, Anthony G	Centro Med Health and Wellness Center
Garguena-Bacuta, Leah R	Leon Springs Pediatrics
Garza, Armando D	La Altura Pediatrics
Garza, Carmen T	Medical Center Pediatrics
Garza, Jaime	Pediatric Associates @ Clocktower
Garza, Jorge A	Viva Pediatrics

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2011 San Antonio Pediatric Subspecialist Supply – General Pediatrics

Pediatrician	Group Affiliation
Garza,Susanna	Ultra Health Care PA
George,Maged M	Thousand Oaks Pediatric
George,Mary K	No Group
Gibbons,Karen L	Pediatric Medicine PA
Gideon,Wendy L	Helotes Pediatrics PA
Girgis,Soheir H T	CentroMed Health and Wellness Center
Gomez,Lizette U	UT Medicine San Antonio
Gonzalez,Adelinary	Huebner Pediatrics
Gonzalez,Jessica M	ABCD Pediatrics PA
Gonzalez,Valeska S	Pedidocs
Grant,W Wayne	Southwest Children's Center PA
Groos,William P	Northeast Pediatric Associates
Grost,Jorge	San Antonio Pediatric Assoc
Guerra,Fernando A	Viva Pediatrics
Guerra,Nicolas N	ABCD Pediatrics PA
Guida,Christopher G	Children First Pediatrics
Gunsberg,Annette	Stone Oak Pediatrics PA
Hagee,Elizabeth B	Northeast Pediatric Associates
Hall,Graham T	The Children's Clinic
Hawkins-Alprin,Lindsey M	Viva Pediatrics
Henderson,Jeffrey M	A Plus Pediatrics PA
Hernandez,Jorge A	San Antonio Pediatric Assoc
Hilger,Angela A	Pedidocs
Hill,Vanessa L	UT Medicine San Antonio
Holley,Linda J	South Texas Center for Pediatric Care
Howelton,Linda F	Northeast Pediatric Associates
Hughes-Juarez,Patricia R	Barrio Comprehensive Family Health Care Ctrs Inc - dba: d
Hunter,Leslie M	River City Pediatric Emergency Physicians
Huston,Rebecca L	UT Medicine San Antonio
Hyslop,James A	ABCD Pediatrics PA
Irvin,Lindsay R	Alamo Heights Pediatrics
Jacobson,Leah H	Through the Years Pediatrics
Jalomo,Rosalio	San Antonio Pediatric Assoc
Jordan,Freeman C	San Antonio Pediatric Assoc
Jendrzey,Diane E	Northwest Pediatrics Assoc PA
Johnson,David W	Pediatrics & Adolescents
Johnson,Robert K	No Group
Jones,Lanning D	Southwest Children's Center PA
Kaldas,Emad Y	Alpha Pediatrics PA
Karam,Jose	South Texas Center for Pediatric Care
Kellogg,Nancy D	UT Medicine San Antonio

Pediatrician	Group Affiliation
Kesavulu,Shantha	No Group
Kirkendall,Mary	Greater San Antonio Emergency Physicians PA
Kpodo,Anita E	South Texas Center for Pediatric Care
Kubena,Kassia L	Kubena Pediatrics
Lalwani,Sonesh K	San Antonio Pediatric Assoc
Lantry,Bruce R	First Steps Pediatrics
Larrumbide,Margaret F	Child Care Associates
Leal-Castanon,Sylvia	UT Medicine San Antonio
Lee,Finklea K	
Legler,James D	CentroMed South Park Medical Clinic
Lelloglou,Demetrios G	Priority Pediatrics
Levcovitz,Henrique	North Central Urgent Care
Lindner,Laura L	North east Pediatric Associates
Lipsitt,Henry J	Pediatrics & Adolescents
Lisa,Ramey R	
Littlefield,Christine A	Northwest Pediatrics Assoc PA
Liu,Nadine	Toeppenwein Medical Clinic
Logan,Anne D	Boerne Pediatrics
Lopez,Esteban R	No Group
Lopez,Luis A	Little Buddies Pediatric Clinic
Lopez-Glynn,Michelle M	Mission Pediatrics
Lovett,Jeanne M	Priority Pediatrics
Lukefahr,James L	UT Medicine San Antonio
Mahendra,Shah D	
Mandle,Svatek A	
Mandlik,Nandini A	Atascosa Health Center
Martin,Linda J	CentroMed South Park Medical Clinic
McCray,Brandy L	Through the Years Pediatrics
McKemie,Jack F	Salinas Clinic
McMains,Diane A	Pediatric Associates @ Clocktower
McNair,Shelly M	Southwest Children's Center PA
Medellin,Glen A	UT Medicine San Antonio
Medellin,Gustavo J	Medcross Billing & Consulting Svcs
Merritt,Christina E	Children First Pediatrics
Miller,Heather L	Community Medicine Assoc
Miranda,Wonne G	Pedi Place @ Westover Hills
Mirza,Farooq	No Group
Mitchell,Melanie C	Northeast Pediatric Associates
Molina,Jesus	CommuniCare Health Centers
Montemayor,Francisco J	No Group
Montemayor,Ricardo A	Atascosa Health Center

Appendix

2011 San Antonio Pediatric Subspecialist Supply – General Pediatrics

Pediatrician	Group Affiliation
Moreno, Amber M	Northwest Pediatrics Assoc PA
Moreno, M Alejandra	No Group
Morgan, Lana K	No Group
Morgan-Kimble, Avolonne	South Texas Center for Pediatric Care
Munir, Muhammed	A Thru Z Pediatrics PA
Murray, James P	Texas MedClinic
Nandakumar, Bhanumathi	No Group
Neihelsel, Margaret D	Pediatric Office
Newby, David B	Greater San Antonio Emergency Physicians PA
Ng, Federico Roman	No Group
Nolan, Robert J	UT Medicine San Antonio
Noll, Janet M	Northwest Pediatrics Assoc PA
O'Brien, Megan M	River City Pediatric Emergency Physicians
Oliver, Patricia	Stone Oak Pediatrics PA
Ornes, Rene M	Northeast Pediatric Associates
Osborn, Ambika N	South Texas Center for Pediatric Care
Ostrower, Valerie G	Pediatric Office
Owens, Timothy	New Braunfels Pediatric Assoc
Ozer, Michael A	Pediatric Medicine PA
Pacheco, Monica R	Community Medicine Assoc
Parra, Juan M	UT Medicine San Antonio
Parsi, Linda D	Parsi Pediatrics
Pauli, Isham W	Northeast Pediatric Associates
Peck, Ramona	New Braunfels Pediatric Assoc
Perez, Gabriel	San Antonio Pediatric Assoc
Perez-Adam, Mary H	Children First Pediatrics
Phillips, Serena L	Greater San Antonio Emergency Physicians PA
Pick, Terry E	Pediatric Care
Plauche Johnson, Chris	Autism Community Network
Popp, David W	Leon Springs Pediatrics
Pumell, Lewis M	Southwest Children's Center PA
Quesada, Paul Z	South Alamo Medical Group
Quiroz, Carlos A	Little Texans Pediatrics
Rackley, Tanya M	Northwest Pediatrics Assoc PA
Ramanath, Bellur	WellMed at Westlakes
Ramon, Sergio	No Group
Ramos, Awilda I	New Braunfels Pediatric Assoc
Reynard, Jennifer N	South Texas Center for Pediatric Care
Rhame, Frederick T	Northeast Pediatric Associates
Rieger, Sarah	New Braunfels Pediatric Assoc
Riojas, David C	No Group
Riojas, Ricardo A	San Antonio Pediatric Assoc

Pediatrician	Group Affiliation
Rizo, Rebecca	Pediatrics & Adolescents
Robertson, Carol F	Parsi Pediatrics
Rocha-Davis, Rebecca A	Pediatric Medicine PA
Rodriguez, Jesus L	Live Oak Pediatrics
Rodriguez, Luis A	San Antonio Pediatric Assoc
Rodriguez, Patsy	Little Spurs Pediatric Urgent Care Center
Ross, David M	Pediatric Medicine PA
Ruenes, Raymond	Medical Center Pediatrics
Ruiz, Teresa M	Community Medicine Assoc
Sahagun-Carreon, Ivonne M	River Valley Pediatrics
Salinas, Molly A	South Texas Center for Pediatric Care
Sandercock, Sharon K	Skin by Design Dermatology & Laser Center
Sanders, Robert P	No Group
Sandoval, Maria	Children's Critical Care Specialists PLLC
Sanguinette-Colon, Yrielis	South Texas Center for Pediatric Care
Schlosberg, Richard T	ABCD Pediatrics PA
Schmidt, Stacey A	River City Pediatric Emergency Physicians
Sheikh, Shahzad A	Kid Doc Pediatrics
Simone, Susannah L	ABCD Pediatrics PA
Sine, Rachel J	Northeast Pediatric Associates
Sitek, Roman	Texas In Patient Pediatrics
Smith, Benjamin L	Pegasus Pediatrics
Sneed, Letisha A	Step By Step Pediatrics
Sosa, Mario L	Community Medicine Assoc
Spence, Kelly A	Ultra Health Care PA
Spurgat, Thomas S	Boerne Acute Care Center
Statler, Mark	New Braunfels Pediatric Assoc
Stogryn, Ronald S	South Central Texas Primary Care
Storandt, Michelle L	Tejas Pediatrics PA
Surapuredy, Reddy S	
Sutherland, Ellen W	Ultra Health Care PA
Switzer, Richard M	Barrio Comprehensive Family Health Care Ctrs Inc - dba:
Tabet, Adelaide S	No Group
Tamayo, Laura R	Helotes Pediatrics PA
Tamez, Ernesto	Concentra Medical Ctr
Tardy, Joshua	The Children's Clinic
Tezel, Alicia V	Little Spurs Pediatric Urgent Care Center
Thornton, Cynthia J	Little Spurs Pediatric Urgent Care Center
Tiamson-Beato, Maria	South Texas Center for Pediatric Care
Tressler, Samuel D	ABCD Pediatrics PA
Trevino, Daniel G	South Texas Center for Pediatric Care
Trexler, Cheryl A	Alamo Heights Pediatrics

Appendix

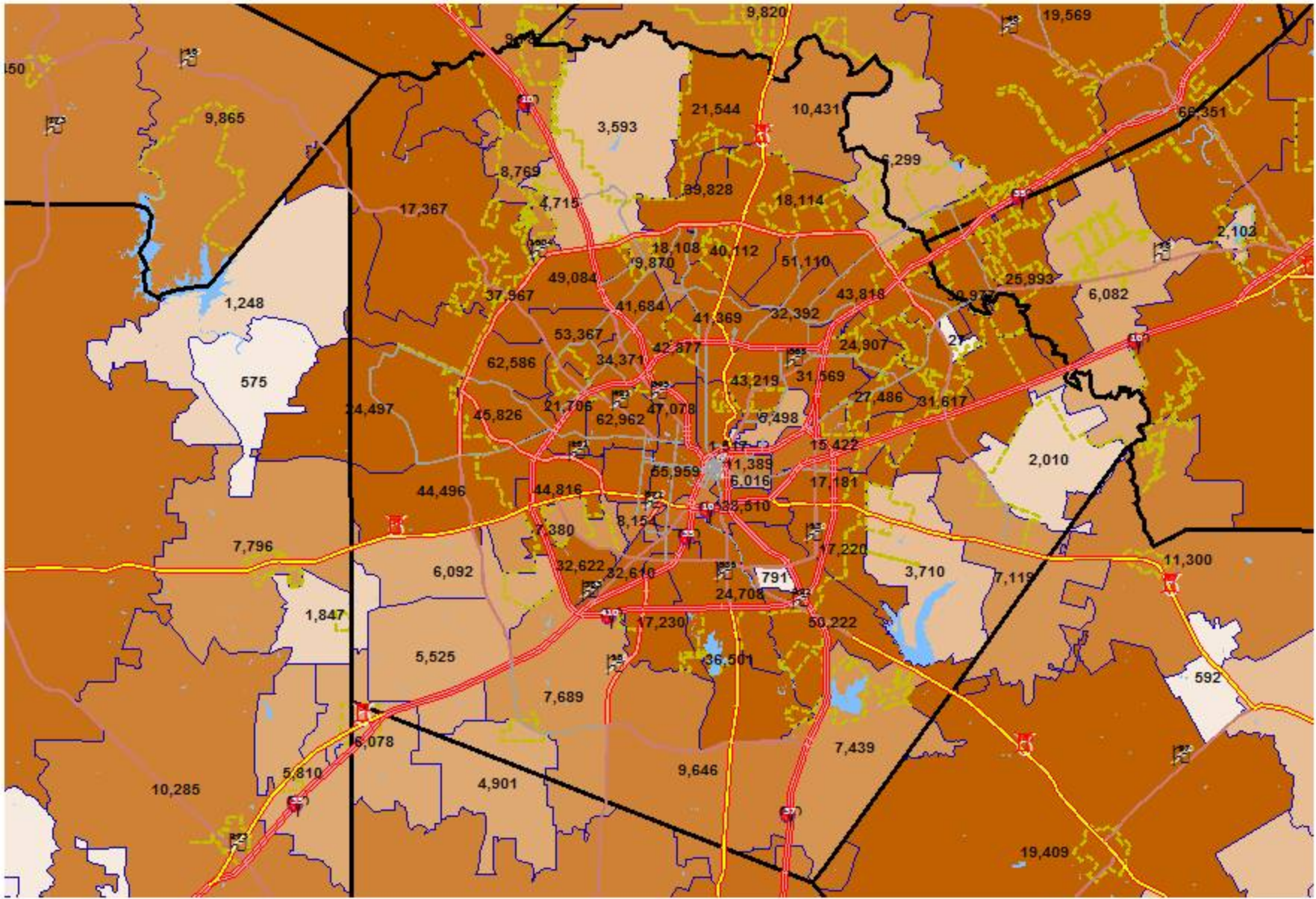
2011 San Antonio Pediatric Subspecialist Supply – *General Pediatrics*

Pediatrician	Group Affiliation
Tseng, Clevert H	San Antonio Pediatric Assoc
Van Bibber, Cecilia A	No Group
Varela, Ernesto	No Group
Willarreal, Osvaldo	CentroMed Health and Wellness Center
Wayne, Richard S	No Group
Weinberg, Jay	New Braunfels Pediatric Assoc
Weise, William C	South Texas Center for Pediatric Care
Whitenton, Kristi M	Little Spurs Pediatric Urgent Care Center
Wilke, Kristin M	ABCD Pediatrics PA
Williams, Janet F	UT Medicine San Antonio
Wood, Pamela R	UT Medicine San Antonio
Wood, Sheralyn D	Boerne Pediatrics
Wymmer, Robert A	Texas MedClinic
Zamora-Campos, Veronica	Viva Pediatrics

End of Document
Hyperlinked Slides

III. Demographic Analysis

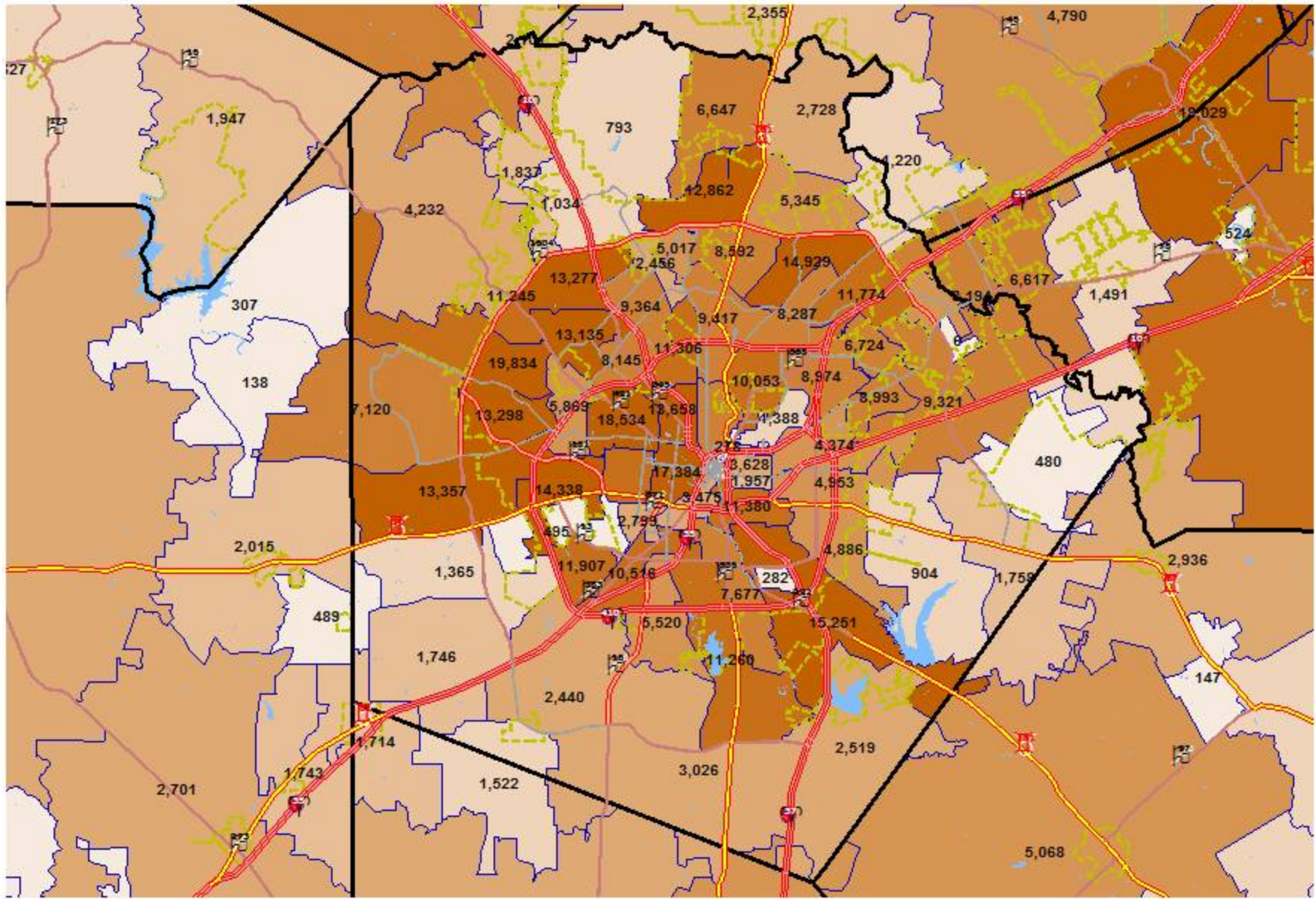
2011 Total Population⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

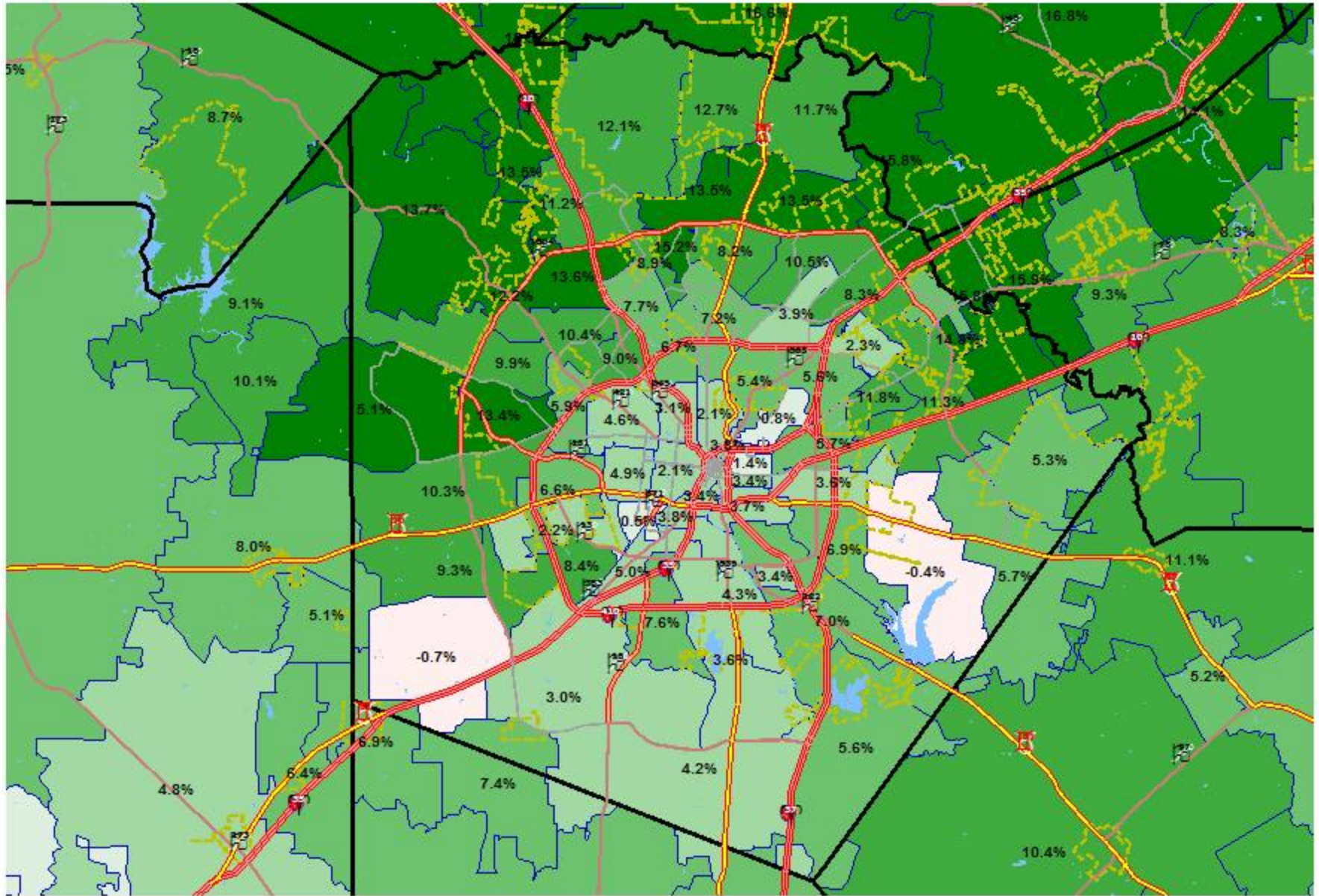
2011 0 - 17 Population⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

Percentage Total Population Growth 2011 - 2016⁽¹⁾

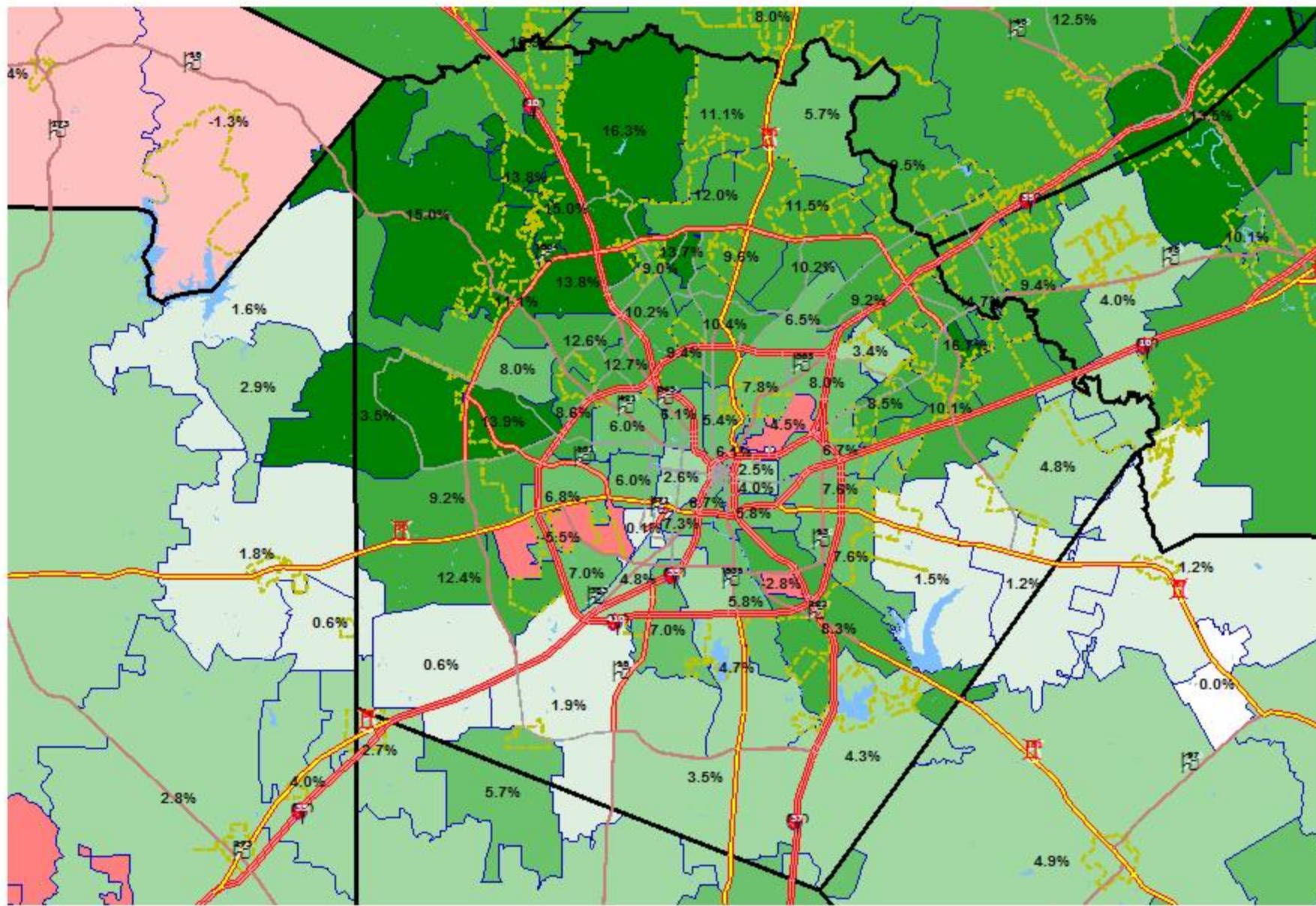


(1) Source: Claritas 2011 – 2016 database.



III. Demographic Analysis

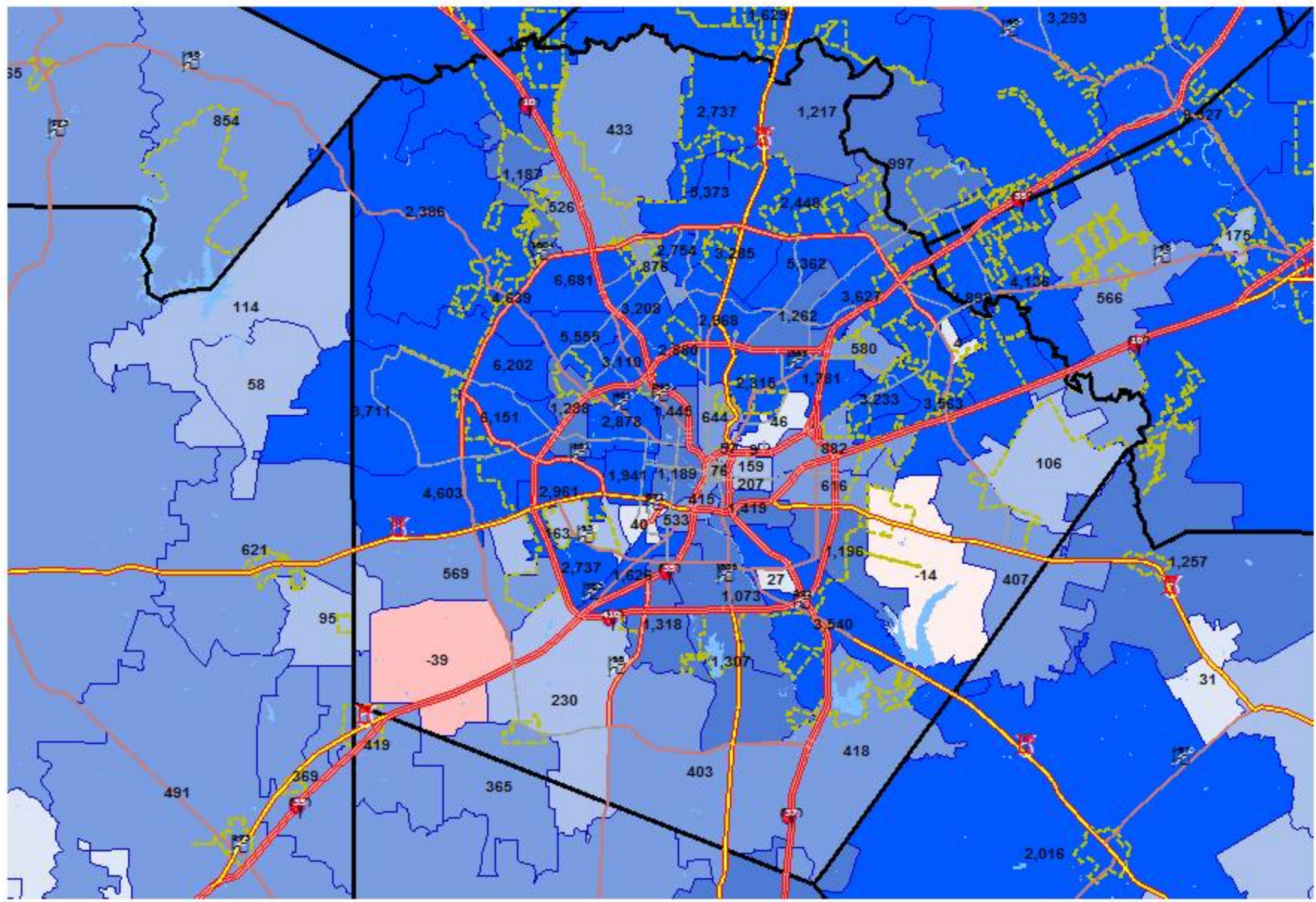
Percentage 0 - 17 Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

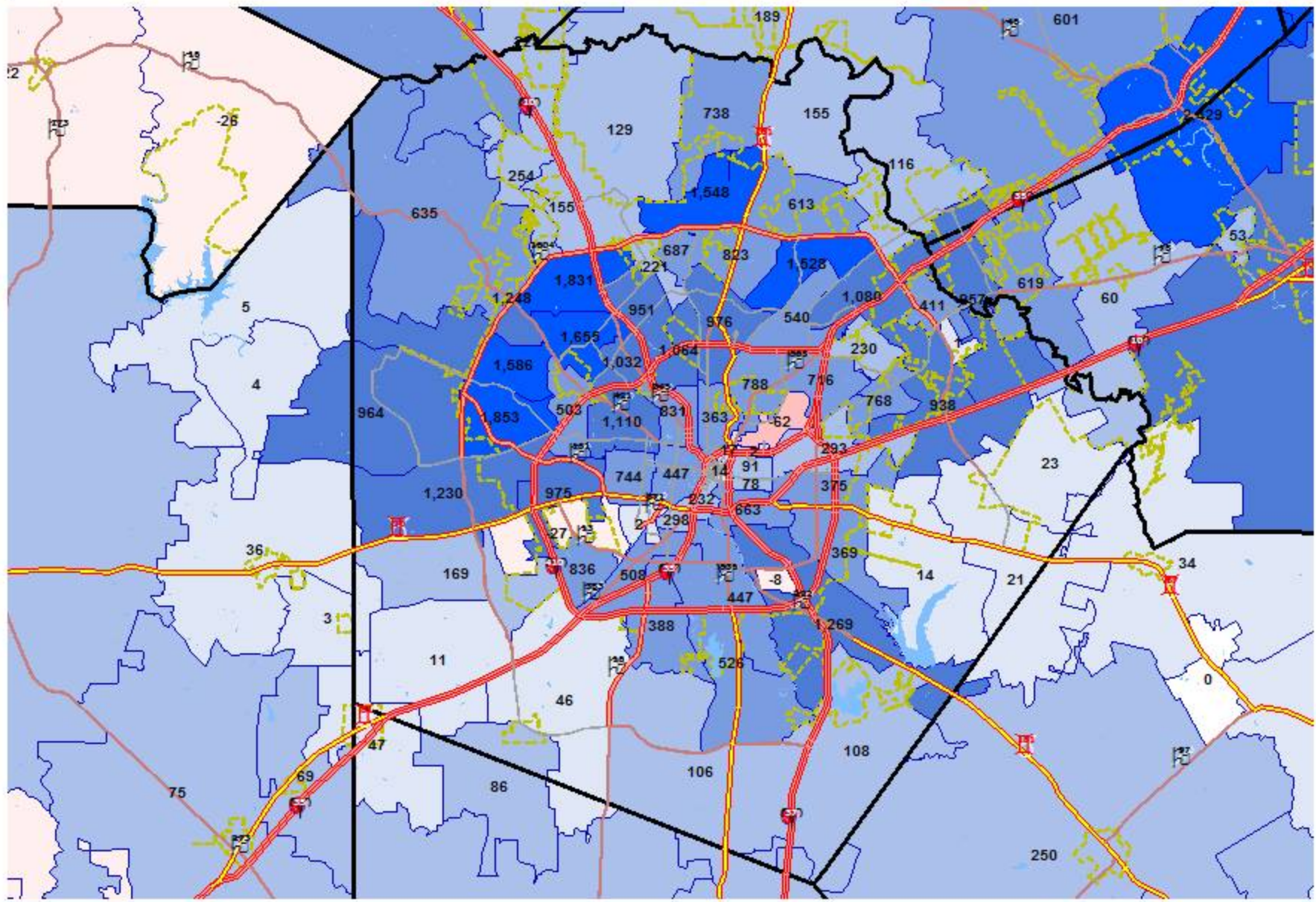
Absolute Total Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

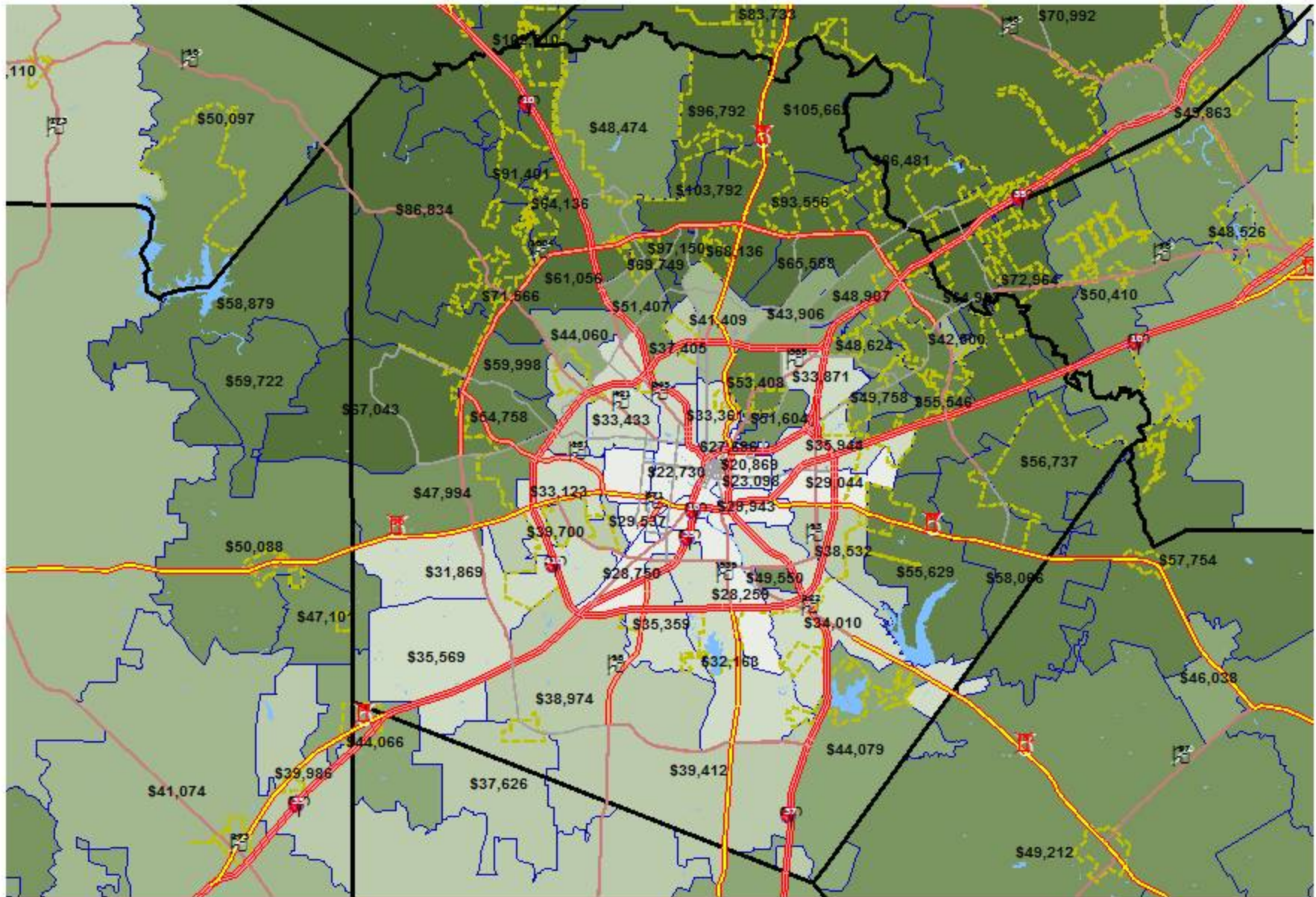
Absolute 0 - 17 Population Growth 2011 - 2016⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

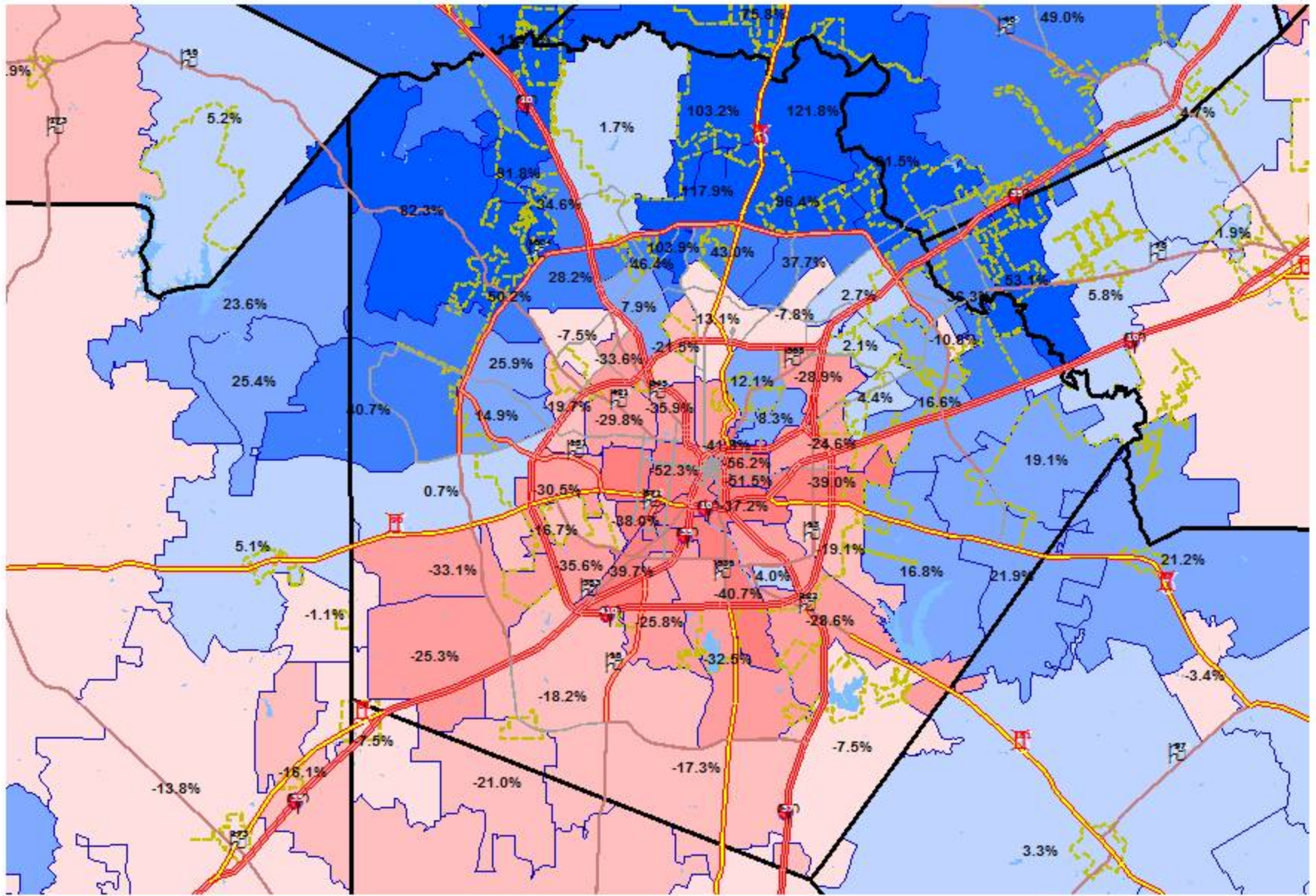
2011 Median Household Income⁽¹⁾



(1) Source: Claritas 2011 – 2016 database.

III. Demographic Analysis

2011 Median Household Income % Above or Below Bexar County Avg⁽¹⁾



(1) Source: Claritas 2011-2016 Database