REPORT #1						
Texas Ratio as % of U.S. Ratio,						
2010 Physician Workforce	Physicians Per 100	Physicians Per 100,000 Population				
Aerospace Medicine	222.3%	TX Above U.S.				
Transplant Surgery	112.9%					
Medical Genetics	104.0%					
Colon & Rectal Surgery	102.9%					
Forensic Pathology	99.0%	TX Below U.S.				
Allergy & Immunology	96.9%					
Plastic Surgery	95.6%					
Anesthesiology	95.5%					
Obstetrics/Gynecology ***	92.6%					
Anatomic/Clinical Pathology	91.9%					
Thoracic Surgery	89.3%					
Pediatric Cardiology **	87.0%					
Neurological Surgery	86.5%					
Otolaryngology	85.8%					
Family Medicine/General Practice	85.8%					
Urology	81.8%					
Diagnostic Radiology	81.4%					
Orthopedic Surgery	80.9%					
Radiology	79.4%					
Physical Med & Rehabilitation	79.3%					
Radiation Oncology	79.1%					
Gastroenterology	78.8%					
General Surgery	78.8%					
Dermatology	77.7%					
Occupational Medicine *	77.5%					
Cardiovascular Disease	77.4%					
Ophthalmology	77.4%					
Neurology	76.6%					
Pediatrics **	74.4%					
Internal Medicine *	73.7%					
Publ Health & Gen Prev Medicine	73.7%					
Pulmonary Disease	72.9%					
Emergency Medicine	72.4%					
Other Specialty	71.9%					
Nuclear Medicine	71.7%					
Child & Adolescent Psychiatry **	67.0%					
General Preventive Medicine	60.2%					
Psychiatry	56.8%					
Unspecified Specialty	56.5%					
Vascular Medicine	42.3%					

*Adult pop. (ages 18+); **Pediatric pop. (ages 0-17);***Female pop.; (ages 15+)

Sources:

2010 physician supply data extracted from "Physician Characteristics and Distribution in the U.S.," 2012 Edition, published by American Medical Association;

U.S. and Texas population estimates, 2010, extracted from U.S. Census Bureau American Fact Finder Website **Prepared by:** Medical Education Department, Texas Medical Association, 12/11.

RATIO OF PHYSICIAN	Report #2 S PER 100.000	POP. BY SPI	ECIALTY				
RATIO OF PHYSICIANS PER 100,000 POP. BY SPECIALTY RATIO OF PHYSICIANS TEXAS							
	PER 100,00		AS %				
	BY SPEC		OF U.S. RATIO				
2010 Physician Workforce	Texas						
GP/FM	23.47	U.S. 27.34	85.8%				
Med Spec.		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Allergy & Immunology	1.13	1.17	96.9%				
Cardiovascular Disease	4.80	6.20	77.49				
Dermatology	2.46	3.17	77.79				
Gastroenterology	2.88	3.65	78.89				
Internal Medicine*	39.77	53.95	73.79				
Pediatrics**	61.00	81.93	74.49				
Pediatric Cardiology**	1.85	2.13	87.09				
Pulmonary Disease	2.10	2.88	72.9%				
Surgical	2.10	2.00	72.57				
Colon & Rectal Surgery	0.46	0.45	102.9%				
General Surgery	7.14	9.06	78.89				
Neurological Surgery	1.26	9.00 1.46	86.5%				
Obstetrics/Gynecology***	26.95	29.11	92.6%				
Ophthalmology	4.16	5.37	77.49				
Orthopedic Surgery	4.10 5.46	6.75	80.9%				
Otolaryngology	2.40	2.79	85.89				
Plastic Surgery	2.40	2.79	95.6%				
Thoracic Surgery	1.20	1.35	89.39				
Urology	2.46	3.01	81.89				
Other	2.40	5.01	01.07				
	0.17	0.08	222.39				
Aerospace Medicine	11.43	0.08 11.96	95.5%				
Anesthesiology	5.64	8.41	67.09				
Child & Adolescent Psych**							
Diagnostic Radiology	5.40	6.63	81.4% 72.4%				
Emergency Medicine	6.43	8.88					
Forensic Pathology	0.139	0.141	99.0%				
General Preventive Medicine	0.29	0.49	60.29				
Medical Genetics	0.123	0.119	104.09				
Neurology	2.99	3.91	76.69				
Nuclear Medicine	0.27	0.37	71.79				
Occupational Medicine*	0.58	0.75	77.59				
Psychiatry	5.94	10.46	56.8%				
Publ Health & Gen Prev Med	0.06	0.08	73.79				
Physical Med & Rehab	1.92	2.43	79.39				
Anatomic/Clinical Pathology	4.05	4.41	91.99				
Radiology	2.14	2.69	79.49				
Radiation Oncology	1.02	1.29	79.19				
Transplant Surgery	0.064	0.056	112.99				
Other	0.61	0.85	71.99				
Unspecified	0.78	1.37	56.59				
Vascular Medicine	0.004	0.009	42.39				

*Adult pop. (ages 18+); **Pediatric pop. (ages 0-17);***Female pop.; (ages 15+) Sources:

2010 physician supply data extracted from "Physician Characteristics and Distribution in the U.S.," 2012 Edition, published by American Medical Association;

U.S. and Texas population estimates, 2010, extracted from U.S. Census Bureau American Fact Finder Website

--Please note that 2010 was the last year that comparable data was available.

Prepared by: Medical Education Department, Texas Medical Association, 12/11.

Report #3 TMA Special Report, Comparison of Texas Physician-Per-100,000 Pop. Ratios to U.S., by Medical Specialty							
2010 Physician Workforce	Texas Physician	U.S. Physician Supply	Population Group Served		Ratio Phys Per 100,000 Pop.		TX Ratio as % of U.S.
by Specialty	Supply		Texas	U.S.	Texas	U.S.	Ratio
Family Medicine/Gen Practice	5,901	84,419	25,145,561	308,745,538	23.47	27.34	85.8%
Medical							
Allergy & Immunology	284	3,597	see not	e below	1.13	1.17	96.9%
Cardiovascular Disease	1,206	19,138	Sec not		4.80	6.20	77.4%
Dermatology	619	9,784			2.46	3.17	77.7%
Gastroenterology	723	11,265			2.88	3.65	78.8%
Internal Medicine*	7,269	126,543	18,279,737	234,564,071	39.77	53.95	73.7%
Pediatrics**	4,188	60,779	6,865,824	74,181,467	61.00	81.93	74.4%
Pediatric Cardiology**	127	1,578	6,865,824	74,181,467	1.85	2.13	87.0%
Pulmonary Disease	529	8,905	0,000,024	, ,,101,407	2.10	2.88	72.9%
	525	0,000			2.10	2.00	72.370
Surgical							
Colon & Rectal Surgery	116	1,384			0.46	0.45	102.9%
General Surgery	1,795	27,982			7.14	9.06	78.8%
Neurological Surgery	317	4,499			1.26	1.46	86.5%
Obstetrics/Gynecology***	2,659	36,975	9,865,520	127,025,926	26.95	29.11	92.6%
Ophthalmology	1,045	16,585			4.16	5.37	77.4%
Orthopedic Surgery	1,374	20,843			5.46	6.75	80.9%
Otolaryngology	603	8,626			2.40	2.79	85.8%
Plastic Surgery	507	6,515			2.02	2.11	95.6%
Thoracic Surgery	303	4,167			1.20	1.35	89.3%
Urology	619	9,291			2.46	3.01	81.8%
Other							
Aerospace Medicine	44	243			0.17	0.08	222.3%
Anesthesiology	2,874	36,932			11.43	11.96	95.5%
Child & Adolescent Psych**	387	6,242	6,865,824	74,181,467	5.64	8.41	67.0%
Diagnostic Radiology	1,357	20,465			5.40	6.63	81.4%
Emergency Medicine	1,616	27,408			6.43	8.88	72.4%
Forensic Pathology	35	434			0.139	0.141	99.0%
General Preventive Medicine	74	1,509			0.29	0.49	60.2%
Medical Genetics	31	366			0.123	0.119	104.0%
Neurology	753	12,069			2.99	3.91	76.6%
Nuclear Medicine	67	1,148			0.27	0.37	71.7%
Occupational Medicine*	106	1,754	18,279,737	234,564,071	0.58	0.75	77.5%
Psychiatry	1,493	32,283			5.94	10.46	56.8%
Publ Health & Gen Prev Med	15	250			0.06	0.08	73.7%
Physical Med & Rehab	484	7,492			1.92	2.43	79.3%
Anatomic/Clinical Pathology	1,019	13,611			4.05	4.41	91.9%
Radiology	537	8,307			2.14	2.69	79.4%
Radiation Oncology	257	3,990			1.02	1.29	79.1%
Transplant Surgery	16	174			0.064	0.056	112.9%
Other	153	2,613			0.61	0.85	71.9%
Unspecified	195	4,236			0.78	1.37	56.5%
Vascular Medicine	1	29			0.004	0.009	42.3%

Note: Unless otherwise noted, the specialty is assumed to serve the total population, which is shown with family/general medicine above.

*Adult pop. (ages 18+); **Pediatric pop. (ages 0-17);***Female pop.; (ages 15+)

Sources:

2010 physician supply data extracted from "Physician Characteristics and Distribution in the U.S.," 2012 Edition, published by American Medical Association;

U.S. and Texas population estimates, 2010, extracted from U.S. Census Bureau American Fact Finder Website

--Please note that 2010 was the last year that comparable data was available.

Prepared by: Medical Education Department, Texas Medical Association, 12/11.

TEXAS MEDICAL ASSOCIATION SPECIAL REPORT #4 TOP 10 Medical Specialty Groups (out of 40) for 2010 Texas Ratios of Physicians Per 100,000 Population Comparison of Texas Specialty Ratios as a Percentage of U.S. Ratios Ranking by % of U.S. Ratio, With Comparisons to 2006 and 2007

Specialty	2	2010 2007		07		2006
ABOVE U.S. Ratios (in at least	2010)					
Aerospace Medicine	#1	222.3%	#1	216.5%	#1	229.6%
Transplant Surgery	#2	112.9%	#5	99.8%	#8	93.2%
Medical Genetics	#3	104.0%	#4	100.0%	#6	95.3%
Colon & Rectal Surgery	#4	102.9%	#3	103.8%	#3	99.8%
95-99% of U.S. Ratios in 2010	and at least tl	his % for ALL	3 Years (20	06, 2007, and	d 2010)	
Forensic Pathology	#5	99.0%	#2	106.3%	#7	95.3%
Allergy & Immunology	#6	96.9%	#6	97.0%	#2	100.3%
Plastic Surgery	#7	95.6%	#7	95.2%	#4	96.5%
Anesthesiology	#8	95.5%	#8	95.0%	#5	95.5%
	í			í		
90-94% of U.S. Ratios for ALL 3	Years (2006,	2007, and 20)10)			
Obstetrics/Gynecology	#9	92.6%	#9	92.4%	#10	92.8%
Anatomic/Clinical Pathology	#10	91.9%	#10	91.6%	#11	91.3%
Specialty with Texas Ratio ABOVE U.S	6. Ratios for A	LL 3 Years (2	00 <mark>6, 2007,</mark> a	and 2010)		

Specialty with Texas Ratio Equal to or Above U.S. Ratios for ALL 3 Years (2006, 2007, and 2010)

Colon & Rectal Surgery

Specialty with Greatest Change from 2006 to 2010

Transplant Surgery, increasing from 93.2% of the U.S. Ratio in 2006 to 112.9% in 2010

Specialties with Lowest % of U.S. Ratios for ALL 3 Years (2006, 2007, and 2010)							
Vascular Medicine (2010)	#40	42.3%	NOTE: This is a very small specialty.				
Unspecified Specialty (2010)	#39	56.5%					
Psychiatry (2010)	#38	56.8%					

Specialty Grouping	Ratio of Physicians	Specialty Grouping	Ratio of Physician
	by Specialty Per		by Specialty Pe
	100K Pop. Served		100K Pop. Served
TEXAS		U.S.	
1 Pediatrics**	61.00	Pediatrics**	81.93
2 Internal Medicine*	39.77	Internal Medicine*	53.9
3 Obstetrics/Gynecology***	26.95	Obstetrics/Gynecology***	29.12
4 GP/FM	23.47	GP/FM	27.34
5 Anesthesiology	11.43	Anesthesiology	11.9
6 General Surgery	7.14	Psychiatry	10.4
7 Emergency Medicine	6.43	General Surgery	9.0
8 Psychiatry	5.94	Emergency Medicine	8.8
9 Child & Adolescent Psych**		Child & Adolescent Psych**	8.4
0 Orthopedic Surgery	5.46	Orthopedic Surgery	6.7
1 Diagnostic Radiology	5.40	Diagnostic Radiology	6.6
2 Cardiovascular Disease	4.80	Cardiovascular Disease	6.2
.3 Ophthalmology	4.16	Ophthalmology	5.3
4 Anatomic/Clinical Pathology		Anatomic/Clinical Pathology	4.4
5 Neurology		Neurology	3.9
.6 Gastroenterology		Gastroenterology	3.6
7 Dermatology		Dermatology	3.1
8 Urology	2.46	Urology	3.0
9 Otolaryngology		Pulmonary Disease	2.8
0 Radiology		Otolaryngology	2.7
1 Pulmonary Disease		Radiology	2.6
2 Plastic Surgery		Physical Med & Rehab	2.4
3 Physical Med & Rehab		Pediatric Cardiology**	2.1
4 Pediatric Cardiology**		Plastic Surgery	2.1
5 Neurological Surgery		Neurological Surgery	1.4
6 Thoracic Surgery		Unspecified	1.3
7 Allergy & Immunology		Thoracic Surgery	1.3
8 Radiation Oncology		Radiation Oncology	1.2
9 Unspecified		Allergy & Immunology	1.1
0 Other		Other	0.8
1 Occupational Medicine*		Occupational Medicine*	0.7
2 Colon & Rectal Surgery		General Preventive Medicine	0.4
3 General Preventive Medicine		Colon & Rectal Surgery	0.4
4 Nuclear Medicine		Nuclear Medicine	0.3
5 Aerospace Medicine		Forensic Pathology	0.1
6 Forensic Pathology		Medical Genetics	0.1
7 Medical Genetics		Publ Health & Gen Prev Med	0.0
88 Transplant Surgery		Aerospace Medicine	0.0
89 Publ Health & Gen Prev Med		Transplant Surgery	0.0
10 Vascular Medicine		Vascular Medicine	0.0

*Adult pop. (ages 18+); **Pediatric pop. (ages 0-17); ***Female pop. (ages 15+)

Sources: 2010 physician supply extracted from "Physician Characteristics and Distribution in the U.S., " 2012 2012 Edition, published by American Medical Association. U.S. and Texas population estimates, 2010, extracted from U.S. Census Bureau American Fact Finder Website.

<u>NOTE</u>: Vascular Medicine is a very small specialty with only 1 in Texas; 29 in U.S.

Prepared by: Medical Education Dept., Texas Medical Association, 2/2012.