			2	008 Actual		2015 Projected
Physici	ian Specialty		Population	Physicians	/100k	Population
Anesth	hesiology		25,076	2	8.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
	AMA	14.0	4	Deficit:	-2	4
	Two Mature HMO	9.7	2	Adequate	0	3
	Adjusted FTE	9.1	2	Adequate	0	2
	GMENAC	8.9	2	Adequate	0	2
	Kaiser Portland	5.9	1	Surplus:	1	2
	7 Kaiser Plans	3.9	1	Surplus:	1	1
	GHC Seattle	9.0	2	Adequate	0	2
	Three HMOs					
	Goodman	7.0	2	Adequate	0	2
	Hicks & Glenn					
	Solucient					
	Average Requirement	7.6	2	Adequate	0	2

			2	008 Actual		2015 Projected
Physi	cian Specialty		Population	Physicians	/100k	Population
Derm	natology		25,076	2	8.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	3.7	1	Surplus:	1	1
	Two Mature HMO	2.8	1	Surplus:	1	1
	Adjusted FTE	2.6	1	Surplus:	1	1
	GMENAC	2.8	1	Surplus:	1	1
	Kaiser Portland	2.5	1	Surplus:	1	1
	7 Kaiser Plans	2.4	1	Surplus:	1	1
	GHC Seattle	2.6	1	Surplus:	1	1
	Three HMOs	1.6	0	Surplus:	2	0
	Goodman	1.4	0	Surplus:	2	0
	Hicks & Glenn	2.1	1	Surplus:	1	1
	Solucient	3.1	1	Surplus:	1	1
	Average Requirement	2.4	1	Surplus:	1	1

				2008 Actual		
Physicia	an Specialty		Population	Physicians	/100k	Population
Emerge	ency Medicine		25,076	2	8.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
	AMA	10.5	3	Deficit:	-1	3
	Two Mature HMO	5.5	1	Surplus:	1	1
	Adjusted FTE	5.2	1	Surplus:	1	1
	GMENAC	5.4	1	Surplus:	1	1
	Kaiser Portland	6.7	2	Adequate	0	2
	7 Kaiser Plans	5.3	1	Surplus:	1	1
	GHC Seattle					
	Three HMOs					
	Goodman	2.7	1	Surplus:	1	1
	Hicks & Glenn					
	Solucient	12.4	3	Deficit:	-1	3
	Average Requirement	6.2	2	Adequate	0	2

			2	008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population
Family	y Practice		25,076	5	19.9	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
	AMA	31.5	8	Deficit:	-3	8
	Two Mature HMO	45.6	11	Deficit:	-6	12
	Adjusted FTE	42.6	11	Deficit:	-6	11
	GMENAC	25.2	6	Deficit:	-1	7
	Kaiser Portland	16.7	4	Surplus:	1	5
	7 Kaiser Plans	11.0	3	Surplus:	2	3
	GHC Seattle					
	Three HMOs	9.2	2	Surplus:	3	2
	Goodman					
	Hicks & Glenn	16.2	4	Surplus:	1	4
	Solucient	22.5	6	Deficit:	-1	6
	Average Requirement	23.6	6	Deficit:	-1	6

		2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Internal Medicine		25,076	6	23.9	26,949
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	6	Physician Need
AMA	53.1	13	Deficit:	-7	14
Two Mature HMO	21.4	5	Surplus:	1	6
Adjusted FTE	20.0	5	Surplus:	1	5
GMENAC	28.8	7	Deficit:	-1	8
Kaiser Portland	28.1	7	Deficit:	-1	8
7 Kaiser Plans	30.3	8	Deficit:	-2	8
GHC Seattle					
Three HMOs	16.7	4	Surplus:	2	5
Goodman					
Hicks & Glenn	11.3	3	Surplus:	3	3
Solucient	19.0	5	Surplus:	1	5
Average Requirement	22.0	6	Adequate	0	6

			2	008 Actual		2015 Projected
Physician	Specialty		Population	Physicians	/100k	Population
OB/GYN			25,076	4	16.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
-	AMA	14.1	4	Adequate	0	4
-	Two Mature HMO	12.1	3	Surplus:	1	3
=	Adjusted FTE	11.3	3	Surplus:	1	3
-	GMENAC	9.9	2	Surplus:	2	3
-	Kaiser Portland	11.6	3	Surplus:	1	3
-	7 Kaiser Plans	11.5	3	Surplus:	1	3
-	GHC Seattle	10.0	3	Surplus:	1	3
-	Three HMOs	8.8	2	Surplus:	2	2
-	Goodman	8.4	2	Surplus:	2	2
-	Hicks & Glenn	8.0	2	Surplus:	2	2
=	Solucient	10.2	3	Surplus:	1	3
-	Average Requirement	10.2	3	Surplus:	1	3

			2	008 Actual		2015 Projected
Physician Spe	cialty		Population	Physicians	/100k	Population
Opthalmology	y		25,076	2	8.0	26,949
	tional Physician andards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AM	1A	6.0	2	Adequate	0	2
Tw	o Mature HMO	5.9	1	Surplus:	1	2
Ad	justed FTE	5.5	1	Surplus:	1	1
GN	MENAC	4.6	1	Surplus:	1	1
Ka	iser Portland	2.4	1	Surplus:	1	1
7 K	Caiser Plans	3.1	1	Surplus:	1	1
GH	IC Seattle	5.0	1	Surplus:	1	1
Th	ree HMOs					
Go	odman	3.5	1	Surplus:	1	1
Hic	cks & Glenn	3.2	1	Surplus:	1	1
So	lucient	4.7	1	Surplus:	1	1
Av	erage Requirement	4.2	1	Surplus:	1	1

			20	008 Actual		2015 Projected
Physic	ian Specialty		Population	Physicians	/100k	Population
Ortho	rthopedic Surgery		25,076	1	4.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	6	Physician Need
	AMA	8.3	2	Deficit:	-1	2
	Two Mature HMO	6.8	2	Deficit:	-1	2
	Adjusted FTE	6.4	2	Deficit:	-1	2
	GMENAC	6.0	2	Deficit:	-1	2
	Kaiser Portland	5.9	1	Adequate	0	2
	7 Kaiser Plans	4.2	1	Adequate	0	1
	GHC Seattle	6.7	2	Deficit:	-1	2
	Three HMOs	3.0	1	Adequate	0	1
	Goodman	5.9	1	Adequate	0	2
	Hicks & Glenn	4.2	1	Adequate	0	1
	Solucient	6.1	2	Deficit:	-1	2
	Average Requirement	5.5	1	Adequate	0	1

			2	008 Actual		2015 Projecte
Physic	cian Specialty		Population	Physicians	/100k	Population
Otolar	ryngology		25,076	1	4.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
	AMA	3.4	1	Adequate	0	1
	Two Mature HMO	3.2	1	Adequate	0	1
	Adjusted FTE					
	GMENAC	3.2	1	Adequate	0	1
	Kaiser Portland	3.4	1	Adequate	0	1
	7 Kaiser Plans	2.4	1	Adequate	0	1
	GHC Seattle	3.0	1	Adequate	0	1
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	3.0	1	Adequate	0	1

		2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Pathology		25,076	2	8.0	26,949
National Physicial Standards*	n Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	6.3	2	Adequate	0	2
Two Mature HMO	1.9	0	Surplus:	2	1
Adjusted FTE	1.8	0	Surplus:	2	0
GMENAC	6.4	2	Adequate	0	2
Kaiser Portland	3.3	1	Surplus:	1	1
7 Kaiser Plans	1.8	0	Surplus:	2	0
GHC Seattle					
Three HMOs					
Goodman	4.1	1	Surplus:	1	1
Hicks & Glenn					
Solucient					
Average Requirer	ment 3.2	1	Surplus:	1	1

			2	008 Actual		2015 Projected Population
Physicia	an Specialty		Population	Physicians	/100k	
Pediatr	ics		25,076	6	23.9	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	24.9	6	Adequate	0	7
	Two Mature HMO	16.6	4	Surplus:	2	4
	Adjusted FTE	15.5	4	Surplus:	2	4
	GMENAC	12.4	3	Surplus:	3	3
	Kaiser Portland	11.9	3	Surplus:	3	3
	7 Kaiser Plans	16.0	4	Surplus:	2	4
	GHC Seattle					
	Three HMOs	9.8	2	Surplus:	4	3
	Goodman					
	Hicks & Glenn	7.6	2	Surplus:	4	2
	Solucient	13.9	3	Surplus:	3	4
	Average Requirement	13.0	3	Surplus:	3	4

			2	008 Actual		2015 Projected
Physic	ian Specialty		Population	Physicians	/100k	Population
Psych	iatry		25,076	1	4.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	s	Physician Need
	AMA	13.6	3	Deficit:	-2	4
	Two Mature HMO	7.7	2	Deficit:	-1	2
	Adjusted FTE	7.2	2	Deficit:	-1	2
	GMENAC	15.4	4	Deficit:	-3	4
	Kaiser Portland	5.2	1	Adequate	0	1
	7 Kaiser Plans	4.1	1	Adequate	0	1
	GHC Seattle					
	Three HMOs					
	Goodman	7.2	2	Deficit:	-1	2
	Hicks & Glenn	3.9	1	Adequate	0	1
	Solucient	5.7	1	Adequate	0	2
	Average Requirement	7.1	2	Deficit:	-1	2

Physician Specialty			2008 Actual			2015 Projected
			Population	Physicians	/100k	Population
Pulmon	Pulmonary Diseases		25,076	1	4.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
	AMA	3.5	1	Adequate	0	1
	Two Mature HMO	2.0	1	Adequate	0	1
	Adjusted FTE	1.9	0	Surplus:	1	1
	GMENAC	1.4	0	Surplus:	1	0
	Kaiser Portland	1.4	0	Surplus:	1	0
	7 Kaiser Plans	1.0	0	Surplus:	1	0
	GHC Seattle	1.4	0	Surplus:	1	0
	Three HMOs					
	Goodman	1.4	0	Surplus:	1	0
	Hicks & Glenn					
	Solucient	1.3	0	Surplus:	1	0
	Average Requirement	1.5	0	Surplus:	1	0

			2008 Actual			2015 Projected Population
Physician Specialty		Population	Physicians	/100k		
Radiolog	Radiology		25,076	1	4.0	26,949
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	11.4	3	Deficit:	-2	3
	Two Mature HMO	13.6	3	Deficit:	-2	4
	Adjusted FTE	13.7	3	Deficit:	-2	4
	GMENAC	7.7	2	Deficit:	-1	2
	Kaiser Portland	8.5	2	Deficit:	-1	2
	7 Kaiser Plans	4.7	1	Adequate	0	1
	GHC Seattle	7.7	2	Deficit:	-1	2
	Three HMOs					
	Goodman	8.0	2	Deficit:	-1	2
	Hicks & Glenn					
	Solucient					
	Average Requirement	9.1	2	Deficit:	-1	2

Included Counties: Stephens

	2008 Actual			2015 Projected	
Physician Specialty	Population	Physicians	/100k	Population	
General Surgery	General Surgery			16.0	26,949
National Physi Standards*	cian Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	12.5	3	Surplus:	1	3
Two Mature HI	MO 9.4	2	Surplus:	2	3
Adjusted FTE	8.8	2	Surplus:	2	2
GMENAC	9.7	2	Surplus:	2	3
Kaiser Portland	d 7.0	2	Surplus:	2	2
7 Kaiser Plans	6.2	2	Surplus:	2	2
GHC Seattle	5.9	1	Surplus:	3	2
Three HMOs	4.2	1	Surplus:	3	1
Goodman	9.7	2	Surplus:	2	3
Hicks & Glenn	4.1	1	Surplus:	3	1
Solucient	6.0	2	Surplus:	2	2
Average Requ	irement 7.1	2	Surplus:	2	2

Report created by Georgia Board for Physician Workforce, State of Georgia

- (1) McClendon, B., R.Polizer, E. Christain, and E. Fernandez. 1997. Downsizing the Physician Workforce. Public Health Reports. May/June 112:231-239.
- (2) Graduate Medical Education National Advisory Committee Summary Report. 1981. Pub. No. (HRA) 81-651. Washington: Government Printing Office.
- (3) American Medical Association, 1996, Physician Characteristics and Distribution in the US: 1995/1996, Chicago.
- (4) American Osteopathic Association. 1993. 1994 Yearbook and Directory of Osteopathic Physicians. Chicago.
- (5) Hart, L., E. Wagner, J. Parzada, A.Nelson, and R.Rosenblah. 1997. Physician Staffing Ratios in Staff- Model HMO's: A Cautionary Tale, Health Affairs 16, no. 1:55-70.
- (6) Weiner, J.P. 1994 Forecasting the Effects of Health Reform on U.S. Physician Workforce Requirement. JAMA 272, no. 3:222-230.
- (7) Steinwachs, D., J.P. Weiner, S. Shapiro, et al. 1986. A Comparison of the Requirements for Primary Care Physicians in with Projections Made by the Graduate Medical National Advisory Committee. New England Journal of Medicine 314:217-222.
- (8) Kronick, R., D.C. Goodman, J. Wennberg, and E.Wagner. 1993. The Marketplace in Health Care Reform: The Demographic Limitations of Managed Competition. New England Journal of Medicine 328:1480152. See also, related NAPS Document 04998.
- (9) Vansdow, N.A. The Physician Workforce: Issues for Academic Medical Centers. Forum on the Future of Academic Medicine. December 2, 1996.
- (10) Forte, G.J., Dionne, M., Beaulieu, M., and Salsberg, E. Profile of New York State Physicians. Rensselaer, NY: Center for Health Workforce Studies, School of Public Health, SUNY Albany. April 2001.
- (11) A Review of Physician-to-Population Ratios. Merritt Hawkins & Associates. GMENAC, Goodman (Dec. 11, 1996 JAMA), Hicks & Glenn (1989 Journal of Health Care Management), Solucient (2003).
- (12) American Medical Association. Physician Characteristics and Distribution in the US, 2010 Edition; 2010.

^{*}Standards are presented as rates per 100,000 population