		2		2015 Projecte	
Physician Specialty		Population	Physicians	/100k	Population
Emergency Medicine		22,047	4	18.1	22,049
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	10.5	2	Surplus:	2	2
Two Mature HMO	5.5	1	Surplus:	3	1
Adjusted FTE	5.2	1	Surplus:	3	1
GMENAC	5.4	1	Surplus:	3	1
Kaiser Portland	6.7	1	Surplus:	3	1
7 Kaiser Plans	5.3	1	Surplus:	3	1
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Surplus:	3	1
Hicks & Glenn					
Solucient	12.4	3	Surplus:	1	3
Average Requirement	6.2	1	Surplus:	3	1

			2	008 Actual		2015 Projected
Physic	Physician Specialty		Population	Physicians	/100k	Population
Family	y Practice		22,047	7	31.8	22,049
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
	AMA	31.5	7	Adequate	0	7
	Two Mature HMO	45.6	10	Deficit:	-3	10
	Adjusted FTE	42.6	9	Deficit:	-2	9
	GMENAC	25.2	6	Surplus:	1	6
	Kaiser Portland	16.7	4	Surplus:	3	4
	7 Kaiser Plans	11.0	2	Surplus:	5	2
	GHC Seattle					
	Three HMOs	9.2	2	Surplus:	5	2
	Goodman					
	Hicks & Glenn	16.2	4	Surplus:	3	4
	Solucient	22.5	5	Surplus:	2	5
	Average Requirement	23.6	5	Surplus:	2	5

		2	008 Actual		2015 Projecte
Physician Specialty		Population	Physicians	/100k	Population
Internal Medicine		22,047	2	9.1	22,049
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA	53.1	12	Deficit:	-10	12
Two Mature HMO	21.4	5	Deficit:	-3	5
Adjusted FTE	20.0	4	Deficit:	-2	4
GMENAC	28.8	6	Deficit:	-4	6
Kaiser Portland	28.1	6	Deficit:	-4	6
7 Kaiser Plans	30.3	7	Deficit:	-5	7
GHC Seattle					
Three HMOs	16.7	4	Deficit:	-2	4
Goodman					
Hicks & Glenn	11.3	2	Adequate	0	2
Solucient	19.0	4	Deficit:	-2	4
Average Requiremer	nt 22.0	5	Deficit:	-3	5

			2	008 Actual		2015 Projecte
Physician	Specialty		Population	Physicians	/100k	Population
OB/GYN			22,047	2	9.1	22,049
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	S	Physician Need
-	AMA	14.1	3	Deficit:	-1	3
_	Two Mature HMO	12.1	3	Deficit:	-1	3
-	Adjusted FTE	11.3	2	Adequate	0	2
-	GMENAC	9.9	2	Adequate	0	2
-	Kaiser Portland	11.6	3	Deficit:	-1	3
-	7 Kaiser Plans	11.5	3	Deficit:	-1	3
-	GHC Seattle	10.0	2	Adequate	0	2
-	Three HMOs	8.8	2	Adequate	0	2
-	Goodman	8.4	2	Adequate	0	2
_	Hicks & Glenn	8.0	2	Adequate	0	2
_	Solucient	10.2	2	Adequate	0	2
_	Average Requirement	10.2	2	Adequate	0	2

		2	008 Actual		2015 Projecte
Physician Specialty		Population	Physicians	/100k	Population
Orthopedic Surgery		22,047	1	4.5	22,049
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	;	Physician Need
AMA	8.3	2	Deficit:	-1	2
Two Mature HMO	6.8	1	Adequate	0	1
Adjusted FTE	6.4	1	Adequate	0	1
GMENAC	6.0	1	Adequate	0	1
Kaiser Portland	5.9	1	Adequate	0	1
7 Kaiser Plans	4.2	1	Adequate	0	1
GHC Seattle	6.7	1	Adequate	0	1
Three HMOs	3.0	1	Adequate	0	1
Goodman	5.9	1	Adequate	0	1
Hicks & Glenn	4.2	1	Adequate	0	1
Solucient	6.1	1	Adequate	0	1
Average Requiremen	nt 5.5	1	Adequate	0	1

			2	008 Actual		2015 Projected
Physicia	n Specialty		Population	Physicians	/100k	Population
Pediatri	ics		22,047	1	4.5	22,049
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Statu	s	Physician Need
	AMA	24.9	5	Deficit:	-4	5
	Two Mature HMO	16.6	4	Deficit:	-3	4
	Adjusted FTE	15.5	3	Deficit:	-2	3
	GMENAC	12.4	3	Deficit:	-2	3
	Kaiser Portland	11.9	3	Deficit:	-2	3
	7 Kaiser Plans	16.0	4	Deficit:	-3	4
	GHC Seattle					
	Three HMOs	9.8	2	Deficit:	-1	2
	Goodman					
	Hicks & Glenn	7.6	2	Deficit:	-1	2
	Solucient	13.9	3	Deficit:	-2	3
	Average Requirement	13.0	3	Deficit:	-2	3

		2	008 Actual		2015 Projected
Physician Specialty	Population	Physicians	/100k	Population	
Psychiatry		22,047	5	22.7	22,049
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	6	Physician Need
AMA	13.6	3	Surplus:	2	3
Two Mature HMO	7.7	2	Surplus:	3	2
Adjusted FTE	7.2	2	Surplus:	3	2
GMENAC	15.4	3	Surplus:	2	3
Kaiser Portland	5.2	1	Surplus:	4	1
7 Kaiser Plans	4.1	1	Surplus:	4	1
GHC Seattle					
Three HMOs					
Goodman	7.2	2	Surplus:	3	2
Hicks & Glenn	3.9	1	Surplus:	4	1
Solucient	5.7	1	Surplus:	4	1
Average Requirement	7.1	2	Surplus:	3	2

				2008 Actual			
Physician Specialty			Population	Physicians	/100k	Population	
Radiology			22,047	2	9.1	22,049	
National Phy Standards*	/sician Phys/	Standard 100,000 Pop.	Physician Need	Status	3	Physician Need	
AMA		11.4	3	Deficit:	-1	3	
Two Mature	НМО	13.6	3	Deficit:	-1	3	
Adjusted FT	E	13.7	3	Deficit:	-1	3	
GMENAC		7.7	2	Adequate	0	2	
Kaiser Portla	and	8.5	2	Adequate	0	2	
7 Kaiser Pla	ns	4.7	1	Surplus:	1	1	
GHC Seattle)	7.7	2	Adequate	0	2	
Three HMOs	3						
Goodman		8.0	2	Adequate	0	2	
Hicks & Gler	าท						
Solucient							
Average Re	quirement	9.1	2	Adequate	0	2	

Included Counties: Emanuel

			2	008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Population	Physicians	/100k	Population
General Surgery			22,047	1	4.5	22,049
National Pl Standards*	nysician Phy	Standard rs/100,000 Pop.	Physician Need	Status	3	Physician Need
AMA		12.5	3	Deficit:	-2	3
Two Matur	e HMO	9.4	2	Deficit:	-1	2
Adjusted F	TE	8.8	2	Deficit:	-1	2
GMENAC		9.7	2	Deficit:	-1	2
Kaiser Port	land	7.0	2	Deficit:	-1	2
7 Kaiser Pl	ans	6.2	1	Adequate	0	1
GHC Seatt	le	5.9	1	Adequate	0	1
Three HMC	Os	4.2	1	Adequate	0	1
Goodman		9.7	2	Deficit:	-1	2
Hicks & Glo	enn	4.1	1	Adequate	0	1
Solucient		6.0	1	Adequate	0	1
Average R	equirement	7.1	2	Deficit:	-1	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