		2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Family Practice		16,195	7	43.2	17,925
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
AMA	31.5	5	Surplus:	2	6
Two Mature HMO	45.6	7	Adequate	0	8
Adjusted FTE	42.6	7	Adequate	0	8
GMENAC	25.2	4	Surplus:	3	5
Kaiser Portland	16.7	3	Surplus:	4	2
7 Kaiser Plans	11.0	2	Surplus:	5	2
GHC Seattle					
Three HMOs	9.2	1	Surplus:	6	2
Goodman					
Hicks & Glenn	16.2	3	Surplus:	4	3
Solucient	22.5	4	Surplus:	3	4
Average Requirement	23.6	4	Surplus:	3	4

			2	008 Actual		2015 Projected
Physic	Physician Specialty  Gastroenterology		Population	Physicians 1	/100k	Population 17,925
Gastr			16,195		6.2	
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
	AMA	4.2	1	Adequate	0	1
	Two Mature HMO	3.1	1	Adequate	0	1
	Adjusted FTE					
	GMENAC	3.2	1	Adequate	0	1
	Kaiser Portland	1.7	0	Surplus:	1	0
	7 Kaiser Plans	1.7	0	Surplus:	1	0
	GHC Seattle					
	Three HMOs					
	Goodman	1.3	0	Surplus:	1	0
	Hicks & Glenn					
	Solucient	3.5	1	Adequate	0	1
	Average Requirement	2.4	0	Surplus:	1	0

			2	008 Actual		2015 Projected
Physician	Physician Specialty Internal Medicine		Population	Physicians	/100k	Population
Internal N			16,195	3	18.5	17,925
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
•	AMA	53.1	9	Deficit:	-6	10
	Two Mature HMO	21.4	3	Adequate	0	4
•	Adjusted FTE	20.0	3	Adequate	0	4
	GMENAC	28.8	5	Deficit:	-2	5
•	Kaiser Portland	28.1	5	Deficit:	-2	5
•	7 Kaiser Plans	30.3	5	Deficit:	-2	5
•	GHC Seattle					
	Three HMOs	16.7	3	Adequate	0	3
•	Goodman					
	Hicks & Glenn	11.3	2	Surplus:	1	2
	Solucient	19.0	3	Adequate	0	3
•	Average Requirement	22.0	4	Deficit:	-1	4

			2	008 Actual		2015 Projected
Physicia	Physician Specialty		Population	Physicians	/100k	Population
Pediatrio	Pediatrics		16,195	3	18.5	17,925
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
	AMA	24.9	4	Deficit:	-1	4
	Two Mature HMO	16.6	3	Adequate	0	3
	Adjusted FTE	15.5	3	Adequate	0	3
	GMENAC	12.4	2	Surplus:	1	2
	Kaiser Portland	11.9	2	Surplus:	1	3
	7 Kaiser Plans	16.0	3	Adequate	0	3
	GHC Seattle					
	Three HMOs	9.8	2	Surplus:	1	2
	Goodman					
	Hicks & Glenn	7.6	1	Surplus:	2	1
	Solucient	13.9	2	Surplus:	1	2
	Average Requirement	13.0	2	Surplus:	1	2

			2	008 Actual		2015 Projected
Physician	Physician Specialty Plastic Surgery		Population 16,195	Physicians <b>1</b>	/100k	Population 17,925
Plastic Su						
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
•	AMA	2.4	0	Surplus:	1	0
-	Two Mature HMO					
-	Adjusted FTE					
-	GMENAC	1.1	0	Surplus:	1	0
-	Kaiser Portland	0.3	0	Surplus:	1	
-	7 Kaiser Plans					
-	GHC Seattle	0.4	0	Surplus:	1	0
<del>-</del>	Three HMOs					
-	Goodman	1.1	0	Surplus:	1	0
-	Hicks & Glenn	2.3	0	Surplus:	1	0
-	Solucient	2.2	0	Surplus:	1	0
-	Average Requirement	1.2	0	Surplus:	1	0

			2	008 Actual		2015 Projected
Physici	Physician Specialty		Population	Physicians	/100k	Population
Psychia	Psychiatry		16,195	1	6.2	17,925
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
	AMA	13.6	2	Deficit:	-1	2
	Two Mature HMO	7.7	1	Adequate	0	1
	Adjusted FTE	7.2	1	Adequate	0	1
	GMENAC	15.4	2	Deficit:	-1	3
	Kaiser Portland	5.2	1	Adequate	0	1
	7 Kaiser Plans	4.1	1	Adequate	0	1
	GHC Seattle					
	Three HMOs					
	Goodman	7.2	1	Adequate	0	1
	Hicks & Glenn	3.9	1	Adequate	0	1
	Solucient	5.7	1	Adequate	0	1
	Average Requirement	7.1	1	Adequate	0	1

			2	008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population	
Radiology	/		16,195	1	6.2	17,925
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
-	AMA	11.4	2	Deficit:	-1	2
<del>-</del>	Two Mature HMO	13.6	2	Deficit:	-1	2
-	Adjusted FTE	13.7	2	Deficit:	-1	2
-	GMENAC	7.7	1	Adequate	0	1
-	Kaiser Portland	8.5	1	Adequate	0	1
-	7 Kaiser Plans	4.7	1	Adequate	0	1
-	GHC Seattle	7.7	1	Adequate	0	1
-	Three HMOs					
-	Goodman	8.0	1	Adequate	0	1
-	Hicks & Glenn					
-	Solucient					
-	Average Requirement	9.1	1	Adequate	0	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.

<sup>\*</sup>Standards are presented as rates per 100,000 population