	2008 Actual				2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Allergy & Immunology		227,879	2	0.9	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	1.4	3	Deficit:	-1	3
Two Mature HMO	1.5	3	Deficit:	-1	3
Adjusted FTE	1.4	3	Deficit:	-1	3
GMENAC	0.8	2	Adequate	0	2
Kaiser Portland	1.7	4	Deficit:	-2	4
7 Kaiser Plans	1.2	3	Deficit:	-1	3
GHC Seattle	1.1	3	Deficit:	-1	3
Three HMOs					
Goodman	1.3	3	Deficit:	-1	3
Hicks & Glenn					
Solucient	1.7	4	Deficit:	-2	4
Average Requirement	1.3	3	Deficit:	-1	3

			200	8 Actual		2015 Projected
Physician	Specialty		Population	Physician	/100k	Population
Anesthe	siology		227,879	30	13.2	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	14.0	32	Deficit:	-2	32
	Two Mature HMO	9.7	22	Surplus:	8	22
	Adjusted FTE	9.1	21	Surplus:	9	21
	GMENAC	8.9	20	Surplus:	10	20
	Kaiser Portland	5.9	13	Surplus:	17	13
	7 Kaiser Plans	3.9	9	Surplus:	21	9
	GHC Seattle	9.0	21	Surplus:	9	20
	Three HMOs					
	Goodman	7.0	16	Surplus:	14	16
	Hicks & Glenn					
	Solucient					
	Average Requirement	7.6	17	Surplus:	13	17

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Cardiovascular Diseases		227,879	26	11.4	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	tus	Physician Need
AMA	7.5	17	Surplus:	9	17
Two Mature HMO	5.4	12	Surplus:	14	12
Adjusted FTE	5.0	11	Surplus:	15	11
GMENAC	3.1	7	Surplus:	19	7
Kaiser Portland	3.0	7	Surplus:	19	7
7 Kaiser Plans	1.8	4	Surplus:	22	4
GHC Seattle	2.9	7	Surplus:	19	7
Three HMOs					
Goodman	3.6	8	Surplus:	18	8
Hicks & Glenn	2.6	6	Surplus:	20	6
Solucient	4.2	10	Surplus:	16	10
Average Requirement	3.5	8	Surplus:	18	8

ſ			200	8 Actual		2015 Projected
Physicia	an Specialty		Population	Physician	/100k	Population
Derma	tology		227,879	6	2.6	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	3.7	8	Deficit:	-2	8
	Two Mature HMO	2.8	6	Adequate	0	6
	Adjusted FTE	2.6	6	Adequate	0	6
	GMENAC	2.8	6	Adequate	0	6
	Kaiser Portland	2.5	6	Adequate	0	6
	7 Kaiser Plans	2.4	5	Surplus:	1	5
	GHC Seattle	2.6	6	Adequate	0	6
	Three HMOs	1.6	4	Surplus:	2	4
	Goodman	1.4	3	Surplus:	3	3
	Hicks & Glenn	2.1	5	Surplus:	1	5
	Solucient	3.1	7	Deficit:	-1	7
	Average Requirement	2.4	5	Surplus:	1	5

			200	8 Actual		2015 Projected
Physician Specialt	ту		Population	Physician	/100k	Population
Emergency Medic	cine		227,879	21	9.2	227,677
Nationa Standa	al Physician rds*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA		10.5	24	Deficit:	-3	24
Two Ma	ature HMO	5.5	13	Surplus:	8	13
Adjuste	ed FTE	5.2	12	Surplus:	9	12
GMEN	AC	5.4	12	Surplus:	9	12
Kaiser	Portland	6.7	15	Surplus:	6	15
7 Kaise	er Plans	5.3	12	Surplus:	9	12
GHC S	eattle					
Three I	HMOs					
Goodm	ıan	2.7	6	Surplus:	15	6
Hicks 8	Glenn					
Solucie	ent	12.4	28	Deficit:	-7	28
Averag	e Requirement	6.2	14	Surplus:	7	14

			200	8 Actual		2015 Projected
Physician Specialty	Physician Specialty		Population	Physician	/100k	Population
Endocrinology, Diabet	es & Metabolism		227,879	5	2.2	227,677
National Phys Standards*	sician Stand Phys/100,000 P		Physician Need	Stat	us	Physician Need
AMA		1.8	4	Surplus:	1	4
Two Mature H	HMO	1.1	3	Surplus:	2	3
Adjusted FTE		1.0	2	Surplus:	3	2
GMENAC		0.8	2	Surplus:	3	2
Kaiser Portla	nd	0.9	2	Surplus:	3	2
7 Kaiser Plan	S	1.1	3	Surplus:	2	3
GHC Seattle						
Three HMOs		0.6	1	Surplus:	4	1
Goodman						
Hicks & Glen	n					
Solucient						
Average Req	uirement	0.9	2	Surplus:	3	2

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Family Practice		227,879	85	37.3	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	31.5	72	Surplus:	13	72
Two Mature HMO	45.6	104	Deficit:	-19	104
Adjusted FTE	42.6	97	Deficit:	-12	97
GMENAC	25.2	57	Surplus:	28	57
Kaiser Portland	16.7	38	Surplus:	47	38
7 Kaiser Plans	11.0	25	Surplus:	60	25
GHC Seattle					
Three HMOs	9.2	21	Surplus:	64	21
Goodman					
Hicks & Glenn	16.2	37	Surplus:	48	37
Solucient	22.5	51	Surplus:	34	51
Average Requirement	23.6	54	Surplus:	31	54

			200	8 Actual		2015 Projected
Physician Specialty			Population	Physician	/100k	Population
Gastr	oenterology		227,879	13	5.7	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	4.2	10	Surplus:	3	10
	Two Mature HMO	3.1	7	Surplus:	6	7
	Adjusted FTE					
	GMENAC	3.2	7	Surplus:	6	7
	Kaiser Portland	1.7	4	Surplus:	9	4
	7 Kaiser Plans	1.7	4	Surplus:	9	4
	GHC Seattle					
	Three HMOs					
	Goodman	1.3	3	Surplus:	10	3
	Hicks & Glenn					
	Solucient	3.5	8	Surplus:	5	8
	Average Requirement	2.4	5	Surplus:	8	5

		200	8 Actual	2015 Project		
Physician Specialty		Population	Physician	/100k	Population 227,677	
Infectious Disease		227,879	4	1.8		
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	tus	Physician Need	
AMA	2.2	5	Deficit:	-1	5	
Two Mature HMO	0.7	2	Surplus:	2	2	
Adjusted FTE	0.6	1	Surplus:	3	1	
GMENAC	0.9	2	Surplus:	2	2	
Kaiser Portland	1.2	3	Surplus:	1	3	
7 Kaiser Plans	0.7	2	Surplus:	2	2	
GHC Seattle	0.6	1	Surplus:	3	1	
Three HMOs						
Goodman						
Hicks & Glenn						
Solucient						
Average Requiremer	nt 0.8	2	Surplus:	2	2	

			200	8 Actual		2015 Projected
Physic	ian Specialty		Population	Physician	/100k	Population
Intern	al Medicine		227,879	75	32.9	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	53.1	121	Deficit:	-46	121
	Two Mature HMO	21.4	49	Surplus:	26	49
	Adjusted FTE	20.0	46	Surplus:	29	46
	GMENAC	28.8	66	Surplus:	9	66
	Kaiser Portland	28.1	64	Surplus:	11	64
	7 Kaiser Plans	30.3	69	Surplus:	6	69
	GHC Seattle					
	Three HMOs	16.7	38	Surplus:	37	38
	Goodman					
	Hicks & Glenn	11.3	26	Surplus:	49	26
	Solucient	19.0	43	Surplus:	32	43
	Average Requirement	22.0	50	Surplus:	25	50

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Nephrology		227,879	11	4.8	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	2.6	6	Surplus:	5	6
Two Mature HMO	1.4	3	Surplus:	8	3
Adjusted FTE	1.3	3	Surplus:	8	3
GMENAC	1.1	3	Surplus:	8	3
Kaiser Portland	0.8	2	Surplus:	9	2
7 Kaiser Plans	0.7	2	Surplus:	9	2
GHC Seattle	0.9	2	Surplus:	9	2
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	2	Surplus:	9	2
Average Requirement	1.0	2	Surplus:	9	2

			200	8 Actual		2015 Projected
Physician Sp	Physician Specialty Neurological Surgery		Population	Physician	/100k	Population
Neurologica			227,879	10	4.4	227,677
1	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	1.9	4	Surplus:	6	4
	Two Mature HMO	1.1	3	Surplus:	7	3
	Adjusted FTE	1.0	2	Surplus:	8	2
	GMENAC	1.1	3	Surplus:	7	3
i	Kaiser Portland	1.4	3	Surplus:	7	3
	7 Kaiser Plans					
	GHC Seattle	0.4	1	Surplus:	9	1
	Three HMOs					
	Goodman	0.7	2	Surplus:	8	2
	Hicks & Glenn					
	Solucient					
	Average Requirement	1.0	2	Surplus:	8	2

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Neurology		227,879	12	5.3	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Sta	tus	Physician Need
AMA	5.0	11	Surplus:	1	11
Two Mature HMO	2.4	5	Surplus:	7	5
Adjusted FTE	2.3	5	Surplus:	7	5
GMENAC	3.3	8	Surplus:	4	8
Kaiser Portland	1.3	3	Surplus:	9	3
7 Kaiser Plans	1.7	4	Surplus:	8	4
GHC Seattle	1.2	3	Surplus:	9	3
Three HMOs					
Goodman	2.1	5	Surplus:	7	5
Hicks & Glenn	1.4	3	Surplus:	9	3
Solucient	1.8	4	Surplus:	8	4
Average Requirement	1.9	4	Surplus:	8	4

			200	8 Actual		2015 Projected
Physician Specialty			Population	Physician	/100k	Population
OB/GYN			227,879	35	15.4	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
-	AMA	14.1	32	Surplus:	3	32
-	Two Mature HMO	12.1	28	Surplus:	7	28
-	Adjusted FTE	11.3	26	Surplus:	9	26
-	GMENAC	9.9	23	Surplus:	12	23
=	Kaiser Portland	11.6	26	Surplus:	9	26
-	7 Kaiser Plans	11.5	26	Surplus:	9	26
-	GHC Seattle	10.0	23	Surplus:	12	23
_	Three HMOs	8.8	20	Surplus:	15	20
-	Goodman	8.4	19	Surplus:	16	19
_	Hicks & Glenn	8.0	18	Surplus:	17	18
_	Solucient	10.2	23	Surplus:	12	23
-	Average Requirement	10.2	23	Surplus:	12	23

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Opthalmology		227,879	20	8.8	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	6.0	14	Surplus:	6	14
Two Mature HMO	5.9	13	Surplus:	7	13
Adjusted FTE	5.5	13	Surplus:	7	13
GMENAC	4.6	10	Surplus:	10	10
Kaiser Portland	2.4	5	Surplus:	15	5
7 Kaiser Plans	3.1	7	Surplus:	13	7
GHC Seattle	5.0	11	Surplus:	9	11
Three HMOs					
Goodman	3.5	8	Surplus:	12	8
Hicks & Glenn	3.2	7	Surplus:	13	7
Solucient	4.7	11	Surplus:	9	11
Average Requirement	4.2	10	Surplus:	10	10

			200	8 Actual		2015 Projected
Physicia	Physician Specialty		Population	Physician	/100k	Population
Orthope	edic Surgery		227,879	23	10.1	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	8.3	19	Surplus:	4	19
	Two Mature HMO	6.8	15	Surplus:	8	15
	Adjusted FTE	6.4	15	Surplus:	8	15
	GMENAC	6.0	14	Surplus:	9	14
	Kaiser Portland	5.9	13	Surplus:	10	13
	7 Kaiser Plans	4.2	10	Surplus:	13	10
	GHC Seattle	6.7	15	Surplus:	8	15
	Three HMOs	3.0	7	Surplus:	16	7
	Goodman	5.9	13	Surplus:	10	13
	Hicks & Glenn	4.2	10	Surplus:	13	10
	Solucient	6.1	14	Surplus:	9	14
	Average Requirement	5.5	13	Surplus:	10	13

		200	2015 Projected		
Physician Specialty	Physician Specialty		Physician	/100k	Population
Otolaryngology		227,879	10	4.4	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	3.4	8	Surplus:	2	8
Two Mature HMO	3.2	7	Surplus:	3	7
Adjusted FTE					
GMENAC	3.2	7	Surplus:	3	7
Kaiser Portland	3.4	8	Surplus:	2	8
7 Kaiser Plans	2.4	5	Surplus:	5	5
GHC Seattle	3.0	7	Surplus:	3	7
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	7	Surplus:	3	7

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Pathology		227,879	14	6.1	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	6.3	14	Adequate	0	14
Two Mature HMO	1.9	4	Surplus:	10	4
Adjusted FTE	1.8	4	Surplus:	10	4
GMENAC	6.4	15	Deficit:	-1	15
Kaiser Portland	3.3	8	Surplus:	6	8
7 Kaiser Plans	1.8	4	Surplus:	10	4
GHC Seattle					
Three HMOs					
Goodman	4.1	9	Surplus:	5	9
Hicks & Glenn					
Solucient					
Average Requiremen	nt 3.2	7	Surplus:	7	7

		200	8 Actual	2015 Projected	
Physician Specialty		Population	Physician	/100k	Population
Pediatrics		227,879	39	17.1	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	24.9	57	Deficit:	-18	57
Two Mature HMO	16.6	38	Surplus:	1	38
Adjusted FTE	15.5	35	Surplus:	4	35
GMENAC	12.4	28	Surplus:	11	28
Kaiser Portland	11.9	27	Surplus:	12	27
7 Kaiser Plans	16.0	36	Surplus:	3	36
GHC Seattle					
Three HMOs	9.8	22	Surplus:	17	22
Goodman					
Hicks & Glenn	7.6	17	Surplus:	22	17
Solucient	13.9	32	Surplus:	7	32
Average Requirement	13.0	30	Surplus:	9	30

			200	8 Actual		2015 Projected
Physiciar	Physician Specialty		Population	Physician	/100k	Population
Plastic S	urgery		227,879	10	4.4	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
	AMA	2.4	5	Surplus:	5	5
	Two Mature HMO					
	Adjusted FTE					
	GMENAC	1.1	3	Surplus:	7	3
	Kaiser Portland	0.3	1	Surplus:	9	1
	7 Kaiser Plans					
	GHC Seattle	0.4	1	Surplus:	9	1
	Three HMOs					
	Goodman	1.1	3	Surplus:	7	3
	Hicks & Glenn	2.3	5	Surplus:	5	5
	Solucient	2.2	5	Surplus:	5	5
	Average Requirement	1.2	3	Surplus:	7	3

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Psychiatry		227,879	30	13.2	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	tus	Physician Need
AMA	13.6	31	Deficit:	-1	31
Two Mature HMO	7.7	18	Surplus:	12	18
Adjusted FTE	7.2	16	Surplus:	14	16
GMENAC	15.4	35	Deficit:	-5	35
Kaiser Portland	5.2	12	Surplus:	18	12
7 Kaiser Plans	4.1	9	Surplus:	21	9
GHC Seattle					
Three HMOs					
Goodman	7.2	16	Surplus:	14	16
Hicks & Glenn	3.9	9	Surplus:	21	9
Solucient	5.7	13	Surplus:	17	13
Average Requirement	7.1	16	Surplus:	14	16

			200	8 Actual		2015 Projected
Physician Spec	Physician Specialty		Population	Physician	/100k	Population
Pulmonary Dis	eases		227,879	10	4.4	227,677
Nati Star	onal Physician ndards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	4	3.5	8	Surplus:	2	8
Two	Mature HMO	2.0	5	Surplus:	5	5
Adju	sted FTE	1.9	4	Surplus:	6	4
GMI	ENAC	1.4	3	Surplus:	7	3
Kais	er Portland	1.4	3	Surplus:	7	3
7 Ka	aiser Plans	1.0	2	Surplus:	8	2
GHO	C Seattle	1.4	3	Surplus:	7	3
Thre	ee HMOs					
Goo	dman	1.4	3	Surplus:	7	3
Hick	s & Glenn					
Solu	ıcient	1.3	3	Surplus:	7	3
Ave	rage Requirement	1.5	3	Surplus:	7	3

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Radiology		227,879	37	16.2	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	11.4	26	Surplus:	11	26
Two Mature HMO	13.6	31	Surplus:	6	31
Adjusted FTE	13.7	31	Surplus:	6	31
GMENAC	7.7	18	Surplus:	19	18
Kaiser Portland	8.5	19	Surplus:	18	19
7 Kaiser Plans	4.7	11	Surplus:	26	11
GHC Seattle	7.7	18	Surplus:	19	18
Three HMOs					
Goodman	8.0	18	Surplus:	19	18
Hicks & Glenn					
Solucient					
Average Requirement	9.1	21	Surplus:	16	21

		200	8 Actual		2015 Projected
Physician Specialty		Population	Physician	/100k	Population
Rheumatology		227,879	4	1.8	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Stat	us	Physician Need
AMA	1.5	3	Surplus:	1	3
Two Mature HMO	1.1	3	Surplus:	1	3
Adjusted FTE	1.0	2	Surplus:	2	2
GMENAC	0.7	2	Surplus:	2	2
Kaiser Portland	0.4	1	Surplus:	3	1
7 Kaiser Plans	0.7	2	Surplus:	2	2
GHC Seattle	0.7	2	Surplus:	2	2
Three HMOs					
Goodman	0.4	1	Surplus:	3	1
Hicks & Glenn					
Solucient	1.3	3	Surplus:	1	3
Average Requirement	0.8	2	Surplus:	2	2

		200	8 Actual	2015 Projected	
Physician Specialty		Population	Physician	/100k	Population
General Surgery		227,879	27	11.8	227,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	12.5	28	Deficit:	-1	28
Two Mature HMO	9.4	21	Surplus:	6	21
Adjusted FTE	8.8	20	Surplus:	7	20
GMENAC	9.7	22	Surplus:	5	22
Kaiser Portland	7.0	16	Surplus:	11	16
7 Kaiser Plans	6.2	14	Surplus:	13	14
GHC Seattle	5.9	13	Surplus:	14	13
Three HMOs	4.2	10	Surplus:	17	10
Goodman	9.7	22	Surplus:	5	22
Hicks & Glenn	4.1	9	Surplus:	18	9
Solucient	6.0	14	Surplus:	13	14
Average Requirement	7.1	16	Surplus:	11	16

		200	8 Actual	2015 Projected	
Physician Specialty		Population 227,879	Physician 4	/100k 1.8	Population 227,677
Thoracic Surgery					
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	1.5	3	Surplus:	1	3
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	2	Surplus:	2	2
Kaiser Portland	0.1	0	Surplus:	4	0
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirem	ent 0.5	1	Surplus:	3	1

Included Counties: Bibb, Crawford, Jones, Monroe, Twiggs

	2008 Actual					2015 Projected
Physician Specialty		Population	Physician	/100k	Population	
Urology			227,879	8	3.5	227,677
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
,	AMA	3.5	8	Adequate	0	8
•	Two Mature HMO	3.5	8	Adequate	0	8
•	Adjusted FTE	3.3	8	Adequate	0	8
	GMENAC	3.1	7	Surplus:	1	7
,	Kaiser Portland	3.3	8	Adequate	0	8
,	7 Kaiser Plans	2.3	5	Surplus:	3	5
	GHC Seattle	2.9	7	Surplus:	1	7
	Three HMOs					
,	Goodman	2.6	6	Surplus:	2	6
	Hicks & Glenn	1.9	4	Surplus:	4	4
	Solucient	2.9	7	Surplus:	1	7
	Average Requirement	2.9	7	Surplus:	1	7

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

*Standards are presented as rates per 100,000 population

- (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.