				2008 Actual		2015 Projected
Physician	Physician Specialty		Population	Physicians	/100k	Population
Allergy &	Allergy & Immunology		1,902,253	18	0.9	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
_	AMA	1.4	27	Deficit:	-9	31
_	Two Mature HMO	1.5	29	Deficit:	-11	33
_	Adjusted FTE	1.4	27	Deficit:	-9	31
-	GMENAC	0.8	15	Surplus:	3	18
-	Kaiser Portland	1.7	32	Deficit:	-14	37
-	7 Kaiser Plans	1.2	23	Deficit:	-5	26
=	GHC Seattle	1.1	21	Deficit:	-3	24
-	Three HMOs					
-	Goodman	1.3	25	Deficit:	-7	28
-	Hicks & Glenn					
_	Solucient	1.7	33	Deficit:	-15	38
_	Average Requirement	1.3	25	Deficit:	-7	28

			2	2008 Actual		2015 Projected
Physic	Physician Specialty		Population	Physicians	/100k	Population
Anest	thesiology		1,902,253	131	6.9	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	14.0	266	Deficit:	-135	307
	Two Mature HMO	9.7	185	Deficit:	-54	213
	Adjusted FTE	9.1	173	Deficit:	-42	199
	GMENAC	8.9	169	Deficit:	-38	195
	Kaiser Portland	5.9	112	Surplus:	19	129
	7 Kaiser Plans	3.9	74	Surplus:	57	85
	GHC Seattle	9.0	171	Deficit:	-40	197
	Three HMOs					
	Goodman	7.0	133	Deficit:	-2	153
	Hicks & Glenn					
	Solucient					
	Average Requirement	7.6	145	Deficit:	-14	167

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Cardiovascular Diseases		1,902,253	97	5.1	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	7.5	143	Deficit:	-46	164
Two Mature HMO	5.4	103	Deficit:	-6	118
Adjusted FTE	5.0	95	Surplus:	2	110
GMENAC	3.1	59	Surplus:	38	68
Kaiser Portland	3.0	57	Surplus:	40	66
7 Kaiser Plans	1.8	34	Surplus:	63	39
GHC Seattle	2.9	55	Surplus:	42	64
Three HMOs					
Goodman	3.6	68	Surplus:	29	79
Hicks & Glenn	2.6	49	Surplus:	48	57
Solucient	4.2	80	Surplus:	17	92
Average Requirement	3.5	67	Surplus:	30	77

			2	2008 Actual		2015 Projected
Physicia	Physician Specialty		Population	Physicians	/100k	Population
Dermat	:ology		1,902,253	45	2.4	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	3.7	70	Deficit:	-25	81
	Two Mature HMO	2.8	53	Deficit:	-8	61
	Adjusted FTE	2.6	49	Deficit:	-4	57
	GMENAC	2.8	53	Deficit:	-8	61
	Kaiser Portland	2.5	48	Deficit:	-3	55
	7 Kaiser Plans	2.4	46	Deficit:	-1	53
	GHC Seattle	2.6	49	Deficit:	-4	57
	Three HMOs	1.6	30	Surplus:	15	35
	Goodman	1.4	27	Surplus:	18	31
	Hicks & Glenn	2.1	40	Surplus:	5	46
	Solucient	3.1	60	Deficit:	-15	69
	Average Requirement	2.4	46	Deficit:	-1	53

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Emergency Medicine		1,902,253	129	6.8	2,191,708
National Phys Standards*	ician Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	10.5	200	Deficit:	-71	230
Two Mature H	IMO 5.5	105	Surplus:	24	121
Adjusted FTE	5.2	99	Surplus:	30	114
GMENAC	5.4	103	Surplus:	26	118
Kaiser Portlan	nd 6.7	127	Surplus:	2	147
7 Kaiser Plans	5.3	101	Surplus:	28	116
GHC Seattle					
Three HMOs					
Goodman	2.7	51	Surplus:	78	59
Hicks & Glenr	1				
Solucient	12.4	236	Deficit:	-107	272
Average Requ	uirement 6.2	118	Surplus:	11	136

			2	2008 Actual		2015 Projected
Physicia	Physician Specialty		Population	Physicians	/100k	Population
Endocri	nology, Diabetes & Me	etabolism	1,902,253	14	0.7	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	1.8	34	Deficit:	-20	39
	Two Mature HMO	1.1	21	Deficit:	-7	24
	Adjusted FTE	1.0	19	Deficit:	-5	22
	GMENAC	0.8	15	Deficit:	-1	18
	Kaiser Portland	0.9	17	Deficit:	-3	20
	7 Kaiser Plans	1.1	21	Deficit:	-7	24
	GHC Seattle					
	Three HMOs	0.6	11	Surplus:	3	13
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	0.9	17	Deficit:	-3	20

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Family Practice		1,902,253	519	27.3	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	31.5	599	Deficit:	-80	690
Two Mature HMO	45.6	867	Deficit:	-348	999
Adjusted FTE	42.6	810	Deficit:	-291	934
GMENAC	25.2	479	Surplus:	40	552
Kaiser Portland	16.7	318	Surplus:	201	366
7 Kaiser Plans	11.0	209	Surplus:	310	241
GHC Seattle					
Three HMOs	9.2	175	Surplus:	344	202
Goodman					
Hicks & Glenn	16.2	308	Surplus:	211	355
Solucient	22.5	429	Surplus:	90	494
Average Requirement	t 23.6	449	Surplus:	70	517

			2	2008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population
Gastro	penterology		1,902,253	49	2.6	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	4.2	80	Deficit:	-31	92
	Two Mature HMO	3.1	59	Deficit:	-10	68
	Adjusted FTE					
	GMENAC	3.2	61	Deficit:	-12	70
	Kaiser Portland	1.7	32	Surplus:	17	37
	7 Kaiser Plans	1.7	32	Surplus:	17	37
	GHC Seattle					
	Three HMOs					
	Goodman	1.3	25	Surplus:	24	28
	Hicks & Glenn					
	Solucient	3.5	67	Deficit:	-18	77
	Average Requirement	2.4	46	Surplus:	3	53

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Hematology/Oncology		1,902,253	2	0.1	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	67	Deficit:	-65	77
Two Mature HMO	2.5	48	Deficit:	-46	55
Adjusted FTE	2.4	46	Deficit:	-44	53
GMENAC	3.6	68	Deficit:	-66	79
Kaiser Portland	2.3	44	Deficit:	-42	50
7 Kaiser Plans	1.8	34	Deficit:	-32	39
GHC Seattle	1.6	30	Deficit:	-28	35
Three HMOs	2.6	49	Deficit:	-47	57
Goodman	1.2	23	Deficit:	-21	26
Hicks & Glenn					
Solucient	1.1	21	Deficit:	-19	24
Average Requirement	nt 2.1	40	Deficit:	-38	46

			2	2008 Actual		2015 Projected
Physici	Physician Specialty		Population	Physicians	/100k	Population
Infection	ous Disease		1,902,253	20	1.1	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	2.2	42	Deficit:	-22	48
	Two Mature HMO	0.7	13	Surplus:	7	15
	Adjusted FTE	0.6	11	Surplus:	9	13
	GMENAC	0.9	17	Surplus:	3	20
	Kaiser Portland	1.2	23	Deficit:	-3	26
	7 Kaiser Plans	0.7	13	Surplus:	7	15
	GHC Seattle	0.6	11	Surplus:	9	13
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	0.8	15	Surplus:	5	18

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Internal Medicine		1,902,253	371	19.5	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	1,010	Deficit:	-639	1,164
Two Mature HMO	21.4	407	Deficit:	-36	469
Adjusted FTE	20.0	380	Deficit:	-9	438
GMENAC	28.8	548	Deficit:	-177	631
Kaiser Portland	28.1	535	Deficit:	-164	616
7 Kaiser Plans	30.3	576	Deficit:	-205	664
GHC Seattle					
Three HMOs	16.7	318	Surplus:	53	366
Goodman					
Hicks & Glenn	11.3	215	Surplus:	156	248
Solucient	19.0	362	Surplus:	9	417
Average Requiremer	nt 22.0	418	Deficit:	-47	482

			2	2008 Actual		2015 Projected
Physicia	Physician Specialty		Population	Physicians	/100k	Population
Nephro	logy		1,902,253	33	1.7	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	2.6	49	Deficit:	-16	57
	Two Mature HMO	1.4	27	Surplus:	6	31
	Adjusted FTE	1.3	25	Surplus:	8	28
	GMENAC	1.1	21	Surplus:	12	24
	Kaiser Portland	0.8	15	Surplus:	18	18
	7 Kaiser Plans	0.7	13	Surplus:	20	15
	GHC Seattle	0.9	17	Surplus:	16	20
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient	0.7	14	Surplus:	19	16
	Average Requirement	1.0	19	Surplus:	14	22

			2	2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Population	Physicians	/100k	Population
Neurological Surge	ery		1,902,253	13	0.7	2,191,708
National Standard	Physician ds*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA		1.9	36	Deficit:	-23	42
Two Mat	ure HMO	1.1	21	Deficit:	-8	24
Adjusted	FTE	1.0	19	Deficit:	-6	22
GMENA	С	1.1	21	Deficit:	-8	24
Kaiser P	ortland	1.4	27	Deficit:	-14	31
7 Kaiser	Plans					
GHC Se	attle	0.4	8	Surplus:	5	9
Three HI	MOs					
Goodma	n	0.7	13	Adequate	0	15
Hicks &	Glenn					
Solucien	t					
Average	Requirement	1.0	19	Deficit:	-6	22

			2	2008 Actual		2015 Projected
Physician S	Physician Specialty		Population	Physicians	/100k	Population
Neurology			1,902,253	37	1.9	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	5.0	95	Deficit:	-58	110
	Two Mature HMO	2.4	46	Deficit:	-9	53
	Adjusted FTE	2.3	44	Deficit:	-7	50
	GMENAC	3.3	63	Deficit:	-26	72
	Kaiser Portland	1.3	25	Surplus:	12	28
	7 Kaiser Plans	1.7	32	Surplus:	5	37
_	GHC Seattle	1.2	23	Surplus:	14	26
	Three HMOs					
	Goodman	2.1	40	Deficit:	-3	46
	Hicks & Glenn	1.4	27	Surplus:	10	31
	Solucient	1.8	34	Surplus:	3	39
	Average Requirement	1.9	36	Surplus:	1	42

				2008 Actual		2015 Projected
Physician	Specialty		Population	Physicians	/100k	Population
OB/GYN			1,902,253	157	8.3	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
•	AMA	14.1	268	Deficit:	-111	309
•	Two Mature HMO	12.1	230	Deficit:	-73	265
-	Adjusted FTE	11.3	215	Deficit:	-58	248
-	GMENAC	9.9	188	Deficit:	-31	217
-	Kaiser Portland	11.6	221	Deficit:	-64	254
-	7 Kaiser Plans	11.5	219	Deficit:	-62	252
-	GHC Seattle	10.0	190	Deficit:	-33	219
-	Three HMOs	8.8	167	Deficit:	-10	193
-	Goodman	8.4	160	Deficit:	-3	184
-	Hicks & Glenn	8.0	152	Surplus:	5	175
-	Solucient	10.2	193	Deficit:	-36	223
-	Average Requirement	10.2	194	Deficit:	-37	224

			2	2008 Actual		2015 Projected
Physic	ian Specialty		Population	Physicians	/100k	Population
Optha	lmology		1,902,253	64	3.4	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	6.0	114	Deficit:	-50	132
	Two Mature HMO	5.9	112	Deficit:	-48	129
	Adjusted FTE	5.5	105	Deficit:	-41	121
	GMENAC	4.6	88	Deficit:	-24	101
	Kaiser Portland	2.4	46	Surplus:	18	53
	7 Kaiser Plans	3.1	59	Surplus:	5	68
	GHC Seattle	5.0	95	Deficit:	-31	110
	Three HMOs					
	Goodman	3.5	67	Deficit:	-3	77
	Hicks & Glenn	3.2	61	Surplus:	3	70
	Solucient	4.7	90	Deficit:	-26	103
	Average Requirement	4.2	80	Deficit:	-16	92

			2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Physicians	/100k	Population
Orthopedic Surgery		1,902,253	114	6.0	2,191,708
National Physic Standards*	ian Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	8.3	158	Deficit:	-44	182
Two Mature HM	10 6.8	129	Deficit:	-15	149
Adjusted FTE	6.4	122	Deficit:	-8	140
GMENAC	6.0	114	Adequate	0	132
Kaiser Portland	5.9	112	Surplus:	2	129
7 Kaiser Plans	4.2	80	Surplus:	34	92
GHC Seattle	6.7	127	Deficit:	-13	147
Three HMOs	3.0	57	Surplus:	57	66
Goodman	5.9	112	Surplus:	2	129
Hicks & Glenn	4.2	80	Surplus:	34	92
Solucient	6.1	116	Deficit:	-2	134
Average Requir	ement 5.5	105	Surplus:	9	121

			2	2008 Actual		2015 Projected
Physic	cian Specialty		Population	Physicians	/100k	Population 2,191,708
Otolar	ryngology		1,902,253	52	2.7	
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	3.4	65	Deficit:	-13	75
	Two Mature HMO	3.2	61	Deficit:	-9	70
	Adjusted FTE					
	GMENAC	3.2	61	Deficit:	-9	70
	Kaiser Portland	3.4	65	Deficit:	-13	75
	7 Kaiser Plans	2.4	46	Surplus:	6	53
	GHC Seattle	3.0	57	Deficit:	-5	66
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	3.0	57	Deficit:	-5	66

				2008 Actual		2015 Projected
Physician Specialty	/		Population	Physicians	/100k	Population
Pathology			1,902,253	42	2.2	2,191,708
Nationa Standar	l Physician ds*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA		6.3	120	Deficit:	-78	138
Two Ma	ture HMO	1.9	36	Surplus:	6	42
Adjusted	d FTE	1.8	34	Surplus:	8	39
GMENA	C	6.4	122	Deficit:	-80	140
Kaiser F	Portland	3.3	63	Deficit:	-21	72
7 Kaisei	Plans	1.8	34	Surplus:	8	39
GHC Se	attle					
Three H	MOs					
Goodma	an	4.1	78	Deficit:	-36	90
Hicks &	Glenn					
Solucie	nt					
Average	Requirement	3.2	61	Deficit:	-19	70

				2008 Actual		2015 Projected
Physician Specialty	Physician Specialty		Population	Physicians	/100k	Population
Pediatrics			1,902,253	253	13.3	2,191,708
National Ph Standards*	ysician Pr	Standard nys/100,000 Pop.	Physician Need	Status		Physician Need
AMA		24.9	474	Deficit:	-221	546
Two Mature	e HMO	16.6	316	Deficit:	-63	364
Adjusted F	ГЕ	15.5	295	Deficit:	-42	340
GMENAC		12.4	236	Surplus:	17	272
Kaiser Port	land	11.9	226	Surplus:	27	261
7 Kaiser Pl	ans	16.0	304	Deficit:	-51	351
GHC Seatt	е					
Three HMC)s	9.8	186	Surplus:	67	215
Goodman						
Hicks & Gle	enn	7.6	145	Surplus:	108	167
Solucient		13.9	264	Deficit:	-11	305
Average R	equirement	13.0	247	Surplus:	6	285

			2008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Plastic Surgery		1,902,253	33	1.7	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.4	46	Deficit:	-13	53
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	21	Surplus:	12	24
Kaiser Portland	0.3	6	Surplus:	27	7
7 Kaiser Plans					
GHC Seattle	0.4	8	Surplus:	25	9
Three HMOs					
Goodman	1.1	21	Surplus:	12	24
Hicks & Glenn	2.3	44	Deficit:	-11	50
Solucient	2.2	42	Deficit:	-9	49
Average Requireme	ent 1.2	23	Surplus:	10	26

				2008 Actual		2015 Projected
Physician Sp	Physician Specialty		Population	Physicians	/100k	Population
Psychiatry			1,902,253	137	7.2	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	13.6	259	Deficit:	-122	298
7	Two Mature HMO	7.7	146	Deficit:	-9	169
	Adjusted FTE	7.2	137	Adequate	0	158
	GMENAC	15.4	293	Deficit:	-156	338
	Kaiser Portland	5.2	99	Surplus:	38	114
7	' Kaiser Plans	4.1	78	Surplus:	59	90
	GHC Seattle					
Т	Three HMOs					
	Goodman	7.2	137	Adequate	0	158
	Hicks & Glenn	3.9	74	Surplus:	63	85
	Solucient	5.7	109	Surplus:	28	126
	Average Requirement	7.1	135	Surplus:	2	156

			2008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Pulmonary Diseases		1,902,253	47	2.5	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	67	Deficit:	-20	77
Two Mature HMO	2.0	38	Surplus:	9	44
Adjusted FTE	1.9	36	Surplus:	11	42
GMENAC	1.4	27	Surplus:	20	31
Kaiser Portland	1.4	27	Surplus:	20	31
7 Kaiser Plans	1.0	19	Surplus:	28	22
GHC Seattle	1.4	27	Surplus:	20	31
Three HMOs					
Goodman	1.4	27	Surplus:	20	31
Hicks & Glenn					
Solucient	1.3	25	Surplus:	22	28
Average Requirement	1.5	29	Surplus:	18	33

			2	2008 Actual		2015 Projected
Physician	Specialty		Population	Physicians	/100k	Population
Radiology	у		1,902,253	109	5.7	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
•	AMA	11.4	217	Deficit: -10)8	250
-	Two Mature HMO	13.6	259	Deficit: -15	50	298
-	Adjusted FTE	13.7	261	Deficit: -15	52	300
-	GMENAC	7.7	146	Deficit: -3	37	169
-	Kaiser Portland	8.5	162	Deficit: -5	53	186
-	7 Kaiser Plans	4.7	89	Surplus: 2	20	103
-	GHC Seattle	7.7	146	Deficit: -3	37	169
-	Three HMOs					
-	Goodman	8.0	152	Deficit: -4	13	175
-	Hicks & Glenn					
-	Solucient					
-	Average Requirement	9.1	173	Deficit: -6	64	199

			2008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population
Rheumatology		1,902,253	8	0.4	2,191,708
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	1.5	29	Deficit:	-21	33
Two Mature HMO	1.1	21	Deficit:	-13	24
Adjusted FTE	1.0	19	Deficit:	-11	22
GMENAC	0.7	13	Deficit:	-5	15
Kaiser Portland	0.4	8	Adequate	0	9
7 Kaiser Plans	0.7	13	Deficit:	-5	15
GHC Seattle	0.7	13	Deficit:	-5	15
Three HMOs					
Goodman	0.4	8	Adequate	0	9
Hicks & Glenn					
Solucient	1.3	25	Deficit:	-17	29
Average Requirement	0.8	15	Deficit:	-7	18

			2	2008 Actual		2015 Projected
Physician Specialty			Population	Physicians	/100k	Population
Genera	General Surgery		1,902,253	97	5.1	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	12.5	238	Deficit:	-141	274
	Two Mature HMO	9.4	179	Deficit:	-82	206
	Adjusted FTE	8.8	167	Deficit:	-70	193
	GMENAC	9.7	185	Deficit:	-88	213
	Kaiser Portland	7.0	133	Deficit:	-36	153
	7 Kaiser Plans	6.2	118	Deficit:	-21	136
	GHC Seattle	5.9	112	Deficit:	-15	129
	Three HMOs	4.2	80	Surplus:	17	92
	Goodman	9.7	185	Deficit:	-88	213
	Hicks & Glenn	4.1	78	Surplus:	19	90
	Solucient	6.0	114	Deficit:	-17	132
	Average Requirement	7.1	135	Deficit:	-38	156

				2008 Actual		2015 Projected
Physician	Physician Specialty		Population	Physicians	/100k	Population
Thoracic	Thoracic Surgery		1,902,253	11	0.6	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
	AMA	1.5	29	Deficit:	-18	33
	Two Mature HMO					
	Adjusted FTE					
	GMENAC	0.8	15	Deficit:	-4	18
	Kaiser Portland	0.1	2	Surplus:	9	2
	7 Kaiser Plans					
	GHC Seattle					
	Three HMOs					
	Goodman					
	Hicks & Glenn					
	Solucient					
	Average Requirement	0.5	10	Surplus:	1	11

			2	2008 Actual		2015 Projected
Physician Specialty		Population	Physicians	/100k	Population	
Urology			1,902,253	44	2.3	2,191,708
	National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
•	AMA	3.5	67	Deficit:	-23	77
	Two Mature HMO	3.5	67	Deficit:	-23	77
•	Adjusted FTE	3.3	63	Deficit:	-19	72
-	GMENAC	3.1	59	Deficit:	-15	68
	Kaiser Portland	3.3	63	Deficit:	-19	72
	7 Kaiser Plans	2.3	44	Adequate	0	50
	GHC Seattle	2.9	55	Deficit:	-11	64
	Three HMOs					
	Goodman	2.6	49	Deficit:	-5	57
	Hicks & Glenn	1.9	36	Surplus:	8	42
	Solucient	2.9	54	Deficit:	-10	63
-	Average Requirement	2.9	55	Deficit:	-11	64

Included Counties: Bartow, Catoosa, Chattooga, Cherokee, Cobb, Dade, Dawson, Douglas, Fannin, Floyd, Forsyth, Gilmer, Gordon, Haralson, Murray, Paulding, Pickens, Polk, Walker, Whitfield

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.