

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Allergy & Immunology		720,076	1	0.1	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.4	10	Deficit: -9	11	
Two Mature HMO	1.5	11	Deficit: -10	12	
Adjusted FTE	1.4	10	Deficit: -9	11	
GMENAC	0.8	6	Deficit: -5	7	
Kaiser Portland	1.7	12	Deficit: -11	14	
7 Kaiser Plans	1.2	9	Deficit: -8	10	
GHC Seattle	1.1	8	Deficit: -7	9	
Three HMOs					
Goodman	1.3	9	Deficit: -8	11	
Hicks & Glenn					
Solucient	1.7	12	Deficit: -11	14	
Average Requirement	1.3	9	Deficit: -8	11	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Anesthesiology		720,076	38	5.3	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	101	Deficit: -63	115	
Two Mature HMO	9.7	70	Deficit: -32	80	
Adjusted FTE	9.1	66	Deficit: -28	75	
GMENAC	8.9	64	Deficit: -26	73	
Kaiser Portland	5.9	42	Deficit: -4	48	
7 Kaiser Plans	3.9	28	Surplus: 10	32	
GHC Seattle	9.0	65	Deficit: -27	74	
Three HMOs					
Goodman	7.0	50	Deficit: -12	57	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	55	Deficit: -17	62	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Cardiovascular Diseases		720,076	30	4.2	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	54	Deficit: -24	62	
Two Mature HMO	5.4	39	Deficit: -9	44	
Adjusted FTE	5.0	36	Deficit: -6	41	
GMENAC	3.1	22	Surplus: 8	25	
Kaiser Portland	3.0	22	Surplus: 8	25	
7 Kaiser Plans	1.8	13	Surplus: 17	15	
GHC Seattle	2.9	21	Surplus: 9	24	
Three HMOs					
Goodman	3.6	26	Surplus: 4	30	
Hicks & Glenn	2.6	19	Surplus: 11	21	
Solucient	4.2	30	Adequate 0	35	
Average Requirement	3.5	25	Surplus: 5	29	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Dermatology		720,076	17	2.4	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	27	Deficit: -10	30	
Two Mature HMO	2.8	20	Deficit: -3	23	
Adjusted FTE	2.6	19	Deficit: -2	21	
GMENAC	2.8	20	Deficit: -3	23	
Kaiser Portland	2.5	18	Deficit: -1	21	
7 Kaiser Plans	2.4	17	Adequate 0	20	
GHC Seattle	2.6	19	Deficit: -2	21	
Three HMOs	1.6	12	Surplus: 5	13	
Goodman	1.4	10	Surplus: 7	11	
Hicks & Glenn	2.1	15	Surplus: 2	17	
Solucient	3.1	23	Deficit: -6	26	
Average Requirement	2.4	17	Adequate 0	20	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		720,076	43	6.0	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	76	Deficit: -33	86	
Two Mature HMO	5.5	40	Surplus: 3	45	
Adjusted FTE	5.2	37	Surplus: 6	43	
GMENAC	5.4	39	Surplus: 4	44	
Kaiser Portland	6.7	48	Deficit: -5	55	
7 Kaiser Plans	5.3	38	Surplus: 5	44	
GHC Seattle					
Three HMOs					
Goodman	2.7	19	Surplus: 24	22	
Hicks & Glenn					
Solucient	12.4	89	Deficit: -46	102	
Average Requirement	6.2	45	Deficit: -2	51	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Endocrinology, Diabetes & Metabolism		720,076	9	1.2	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	13	Deficit: -4	15	
Two Mature HMO	1.1	8	Surplus: 1	9	
Adjusted FTE	1.0	7	Surplus: 2	8	
GMENAC	0.8	6	Surplus: 3	7	
Kaiser Portland	0.9	6	Surplus: 3	7	
7 Kaiser Plans	1.1	8	Surplus: 1	9	
GHC Seattle					
Three HMOs	0.6	4	Surplus: 5	5	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	6	Surplus: 3	7	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Family Practice		720,076	146	20.3	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	227	Deficit: -81	259	
Two Mature HMO	45.6	328	Deficit: -182	374	
Adjusted FTE	42.6	307	Deficit: -161	350	
GMENAC	25.2	181	Deficit: -35	207	
Kaiser Portland	16.7	120	Surplus: 26	137	
7 Kaiser Plans	11.0	79	Surplus: 67	90	
GHC Seattle					
Three HMOs	9.2	66	Surplus: 80	76	
Goodman					
Hicks & Glenn	16.2	117	Surplus: 29	133	
Solucient	22.5	162	Deficit: -16	185	
Average Requirement	23.6	170	Deficit: -24	194	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Gastroenterology		720,076	15	2.1	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	30	Deficit: -15	34	
Two Mature HMO	3.1	22	Deficit: -7	25	
Adjusted FTE					
GMENAC	3.2	23	Deficit: -8	26	
Kaiser Portland	1.7	12	Surplus: 3	14	
7 Kaiser Plans	1.7	12	Surplus: 3	14	
GHC Seattle					
Three HMOs					
Goodman	1.3	9	Surplus: 6	11	
Hicks & Glenn					
Solucient	3.5	25	Deficit: -10	29	
Average Requirement	2.4	17	Deficit: -2	20	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Infectious Disease		720,076	4	0.6	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	16	Deficit: -12	18	
Two Mature HMO	0.7	5	Deficit: -1	6	
Adjusted FTE	0.6	4	Adequate 0	5	
GMENAC	0.9	6	Deficit: -2	7	
Kaiser Portland	1.2	9	Deficit: -5	10	
7 Kaiser Plans	0.7	5	Deficit: -1	6	
GHC Seattle	0.6	4	Adequate 0	5	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	6	Deficit: -2	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Internal Medicine		720,076	138	19.2	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	382	Deficit: -244	436	
Two Mature HMO	21.4	154	Deficit: -16	176	
Adjusted FTE	20.0	144	Deficit: -6	164	
GMENAC	28.8	207	Deficit: -69	236	
Kaiser Portland	28.1	202	Deficit: -64	231	
7 Kaiser Plans	30.3	218	Deficit: -80	249	
GHC Seattle					
Three HMOs	16.7	120	Surplus: 18	137	
Goodman					
Hicks & Glenn	11.3	81	Surplus: 57	93	
Solucient	19.0	137	Surplus: 1	156	
Average Requirement	22.0	158	Deficit: -20	181	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Nephrology		720,076	12	1.7	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	19	Deficit: -7	21	
Two Mature HMO	1.4	10	Surplus: 2	11	
Adjusted FTE	1.3	9	Surplus: 3	11	
GMENAC	1.1	8	Surplus: 4	9	
Kaiser Portland	0.8	6	Surplus: 6	7	
7 Kaiser Plans	0.7	5	Surplus: 7	6	
GHC Seattle	0.9	6	Surplus: 6	7	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	5	Surplus: 7	6	
Average Requirement	1.0	7	Surplus: 5	8	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurological Surgery		720,076	5	0.7	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.9	14	Deficit: -9	16	
Two Mature HMO	1.1	8	Deficit: -3	9	
Adjusted FTE	1.0	7	Deficit: -2	8	
GMENAC	1.1	8	Deficit: -3	9	
Kaiser Portland	1.4	10	Deficit: -5	11	
7 Kaiser Plans					
GHC Seattle	0.4	3	Surplus: 2	3	
Three HMOs					
Goodman	0.7	5	Adequate 0	6	
Hicks & Glenn					
Solucient					
Average Requirement	1.0	7	Deficit: -2	8	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Neurology		720,076	14	1.9	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	36	Deficit: -22	41	
Two Mature HMO	2.4	17	Deficit: -3	20	
Adjusted FTE	2.3	17	Deficit: -3	19	
GMENAC	3.3	24	Deficit: -10	27	
Kaiser Portland	1.3	9	Surplus: 5	11	
7 Kaiser Plans	1.7	12	Surplus: 2	14	
GHC Seattle	1.2	9	Surplus: 5	10	
Three HMOs					
Goodman	2.1	15	Deficit: -1	17	
Hicks & Glenn	1.4	10	Surplus: 4	11	
Solucient	1.8	13	Surplus: 1	15	
Average Requirement	1.9	14	Adequate 0	16	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
OB/GYN		720,076	61	8.5	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	102	Deficit: -41	116	
Two Mature HMO	12.1	87	Deficit: -26	99	
Adjusted FTE	11.3	81	Deficit: -20	93	
GMENAC	9.9	71	Deficit: -10	81	
Kaiser Portland	11.6	84	Deficit: -23	95	
7 Kaiser Plans	11.5	83	Deficit: -22	94	
GHC Seattle	10.0	72	Deficit: -11	82	
Three HMOs	8.8	63	Deficit: -2	72	
Goodman	8.4	60	Surplus: 1	69	
Hicks & Glenn	8.0	58	Surplus: 3	66	
Solucient	10.2	73	Deficit: -12	83	
Average Requirement	10.2	73	Deficit: -12	84	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		720,076	14	1.9	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	43	Deficit: -29	49	
Two Mature HMO	5.9	42	Deficit: -28	48	
Adjusted FTE	5.5	40	Deficit: -26	45	
GMENAC	4.6	33	Deficit: -19	38	
Kaiser Portland	2.4	17	Deficit: -3	20	
7 Kaiser Plans	3.1	22	Deficit: -8	25	
GHC Seattle	5.0	36	Deficit: -22	41	
Three HMOs					
Goodman	3.5	25	Deficit: -11	29	
Hicks & Glenn	3.2	23	Deficit: -9	26	
Solucient	4.7	34	Deficit: -20	39	
Average Requirement	4.2	30	Deficit: -16	34	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		720,076	29	4.0	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	60	Deficit: -31	68	
Two Mature HMO	6.8	49	Deficit: -20	56	
Adjusted FTE	6.4	46	Deficit: -17	53	
GMENAC	6.0	43	Deficit: -14	49	
Kaiser Portland	5.9	42	Deficit: -13	48	
7 Kaiser Plans	4.2	30	Deficit: -1	34	
GHC Seattle	6.7	48	Deficit: -19	55	
Three HMOs	3.0	22	Surplus: 7	25	
Goodman	5.9	42	Deficit: -13	48	
Hicks & Glenn	4.2	30	Deficit: -1	34	
Solucient	6.1	44	Deficit: -15	50	
Average Requirement	5.5	40	Deficit: -11	45	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Otolaryngology		720,076	9	1.2	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	24	Deficit: -15	28	
Two Mature HMO	3.2	23	Deficit: -14	26	
Adjusted FTE					
GMENAC	3.2	23	Deficit: -14	26	
Kaiser Portland	3.4	24	Deficit: -15	28	
7 Kaiser Plans	2.4	17	Deficit: -8	20	
GHC Seattle	3.0	22	Deficit: -13	25	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	22	Deficit: -13	25	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pathology		720,076	7	1.0	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	45	Deficit: -38	52	
Two Mature HMO	1.9	14	Deficit: -7	16	
Adjusted FTE	1.8	13	Deficit: -6	15	
GMENAC	6.4	46	Deficit: -39	53	
Kaiser Portland	3.3	24	Deficit: -17	27	
7 Kaiser Plans	1.8	13	Deficit: -6	15	
GHC Seattle					
Three HMOs					
Goodman	4.1	30	Deficit: -23	34	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	23	Deficit: -16	26	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pediatrics		720,076	138	19.2	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	179	Deficit: -41	204	
Two Mature HMO	16.6	120	Surplus: 18	136	
Adjusted FTE	15.5	112	Surplus: 26	127	
GMENAC	12.4	89	Surplus: 49	102	
Kaiser Portland	11.9	86	Surplus: 52	98	
7 Kaiser Plans	16.0	115	Surplus: 23	131	
GHC Seattle					
Three HMOs	9.8	71	Surplus: 67	80	
Goodman					
Hicks & Glenn	7.6	55	Surplus: 83	62	
Solucient	13.9	100	Surplus: 38	114	
Average Requirement	13.0	94	Surplus: 44	107	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Plastic Surgery		720,076	12	1.7	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	17	Deficit: -5	20	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	8	Surplus: 4	9	
Kaiser Portland	0.3	2	Surplus: 10	2	
7 Kaiser Plans					
GHC Seattle	0.4	3	Surplus: 9	3	
Three HMOs					
Goodman	1.1	8	Surplus: 4	9	
Hicks & Glenn	2.3	17	Deficit: -5	19	
Solucient	2.2	16	Deficit: -4	18	
Average Requirement	1.2	9	Surplus: 3	10	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Psychiatry		720,076	43	6.0	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	98	Deficit: -55	112	
Two Mature HMO	7.7	55	Deficit: -12	63	
Adjusted FTE	7.2	52	Deficit: -9	59	
GMENAC	15.4	111	Deficit: -68	126	
Kaiser Portland	5.2	37	Surplus: 6	43	
7 Kaiser Plans	4.1	30	Surplus: 13	34	
GHC Seattle					
Three HMOs					
Goodman	7.2	52	Deficit: -9	59	
Hicks & Glenn	3.9	28	Surplus: 15	32	
Solucient	5.7	41	Surplus: 2	47	
Average Requirement	7.1	51	Deficit: -8	58	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pulmonary Diseases		720,076	12	1.7	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	25	Deficit: -13	29	
Two Mature HMO	2.0	14	Deficit: -2	16	
Adjusted FTE	1.9	14	Deficit: -2	16	
GMENAC	1.4	10	Surplus: 2	11	
Kaiser Portland	1.4	10	Surplus: 2	11	
7 Kaiser Plans	1.0	7	Surplus: 5	8	
GHC Seattle	1.4	10	Surplus: 2	11	
Three HMOs					
Goodman	1.4	10	Surplus: 2	11	
Hicks & Glenn					
Solucient	1.3	9	Surplus: 3	11	
Average Requirement	1.5	11	Surplus: 1	12	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		720,076	37	5.1	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	82	Deficit: -45	94	
Two Mature HMO	13.6	98	Deficit: -61	112	
Adjusted FTE	13.7	99	Deficit: -62	112	
GMENAC	7.7	55	Deficit: -18	63	
Kaiser Portland	8.5	61	Deficit: -24	70	
7 Kaiser Plans	4.7	34	Surplus: 3	39	
GHC Seattle	7.7	55	Deficit: -18	63	
Three HMOs					
Goodman	8.0	58	Deficit: -21	66	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	66	Deficit: -29	75	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Rheumatology		720,076	5	0.7	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	11	Deficit: -6	12	
Two Mature HMO	1.1	8	Deficit: -3	9	
Adjusted FTE	1.0	7	Deficit: -2	8	
GMENAC	0.7	5	Adequate 0	6	
Kaiser Portland	0.4	3	Surplus: 2	3	
7 Kaiser Plans	0.7	5	Adequate 0	6	
GHC Seattle	0.7	5	Adequate 0	6	
Three HMOs					
Goodman	0.4	3	Surplus: 2	3	
Hicks & Glenn					
Solucient	1.3	10	Deficit: -5	11	
Average Requirement	0.8	6	Deficit: -1	7	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
General Surgery		720,076	24	3.3	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	90	Deficit: -66	103	
Two Mature HMO	9.4	68	Deficit: -44	77	
Adjusted FTE	8.8	63	Deficit: -39	72	
GMENAC	9.7	70	Deficit: -46	80	
Kaiser Portland	7.0	50	Deficit: -26	57	
7 Kaiser Plans	6.2	45	Deficit: -21	51	
GHC Seattle	5.9	42	Deficit: -18	48	
Three HMOs	4.2	30	Deficit: -6	34	
Goodman	9.7	70	Deficit: -46	80	
Hicks & Glenn	4.1	30	Deficit: -6	34	
Solucient	6.0	43	Deficit: -19	49	
Average Requirement	7.1	51	Deficit: -27	58	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Thoracic Surgery		720,076	1	0.1	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	11	Deficit: -10	12	
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	6	Deficit: -5	7	
Kaiser Portland	0.1	1	Adequate 0	1	
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	4	Deficit: -3	4	

25 PCSA Physician Standard Report

Included Counties: Gwinnett

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	720,076	11	1.5	820,960
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	25	Deficit: -14	29
Two Mature HMO	3.5	25	Deficit: -14	29
Adjusted FTE	3.3	24	Deficit: -13	27
GMENAC	3.1	22	Deficit: -11	25
Kaiser Portland	3.3	24	Deficit: -13	27
7 Kaiser Plans	2.3	17	Deficit: -6	19
GHC Seattle	2.9	21	Deficit: -10	24
Three HMOs				
Goodman	2.6	19	Deficit: -8	21
Hicks & Glenn	1.9	14	Deficit: -3	16
Solucient	2.9	21	Deficit: -10	23
Average Requirement	2.9	21	Deficit: -10	24

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.
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