

Health Care Providers

The Office of Statewide Clinical Education Programs (OSCEP) at The University of Iowa Carver College of Medicine, the Iowa Department of Public Health, Board of Nursing, and the Bureau of Emergency Medical Services collect the health care provider data presented in this Iowa Health Fact Book.

The OSCEP provides an up-to-date inventory of physicians, physician assistants, nurse practitioners, pharmacists, and dentists, which facilitates tracking trends in Iowa health professionals and provides feedback to the health science colleges on progress of their programs.

The Board of Nursing enforces and regulates nursing education, nursing practice, and continuing education for nurses. It sets standards, provides evaluation and licensing, and investigates complaints about licensed practical nurses, registered nurses, and advanced registered nurse practitioners. Its mission is “to protect the public health, safety and welfare of Iowans by ensuring that nursing is practiced by competent licensed individuals within their practice field.” Data related to the nursing supply are housed within the Board of Nursing.

The Bureau of Emergency Medical Services (EMS) is a regulatory agency that establishes initial training, continuing education, and renewal requirements leading to certification of emergency medical care providers, including those presented here. The EMS Bureau is also responsible for the authorization and regulation of EMS service programs (levels First Responder through Paramedic), and a statewide trauma system. In addition, the Bureau has statewide programs dealing with system development initiatives, injury prevention, and emergency medical services for children.

Seventeen other licensing boards are housed at the Iowa Department of Public Health which collects data about practice, licensing/certification, and other supply information.

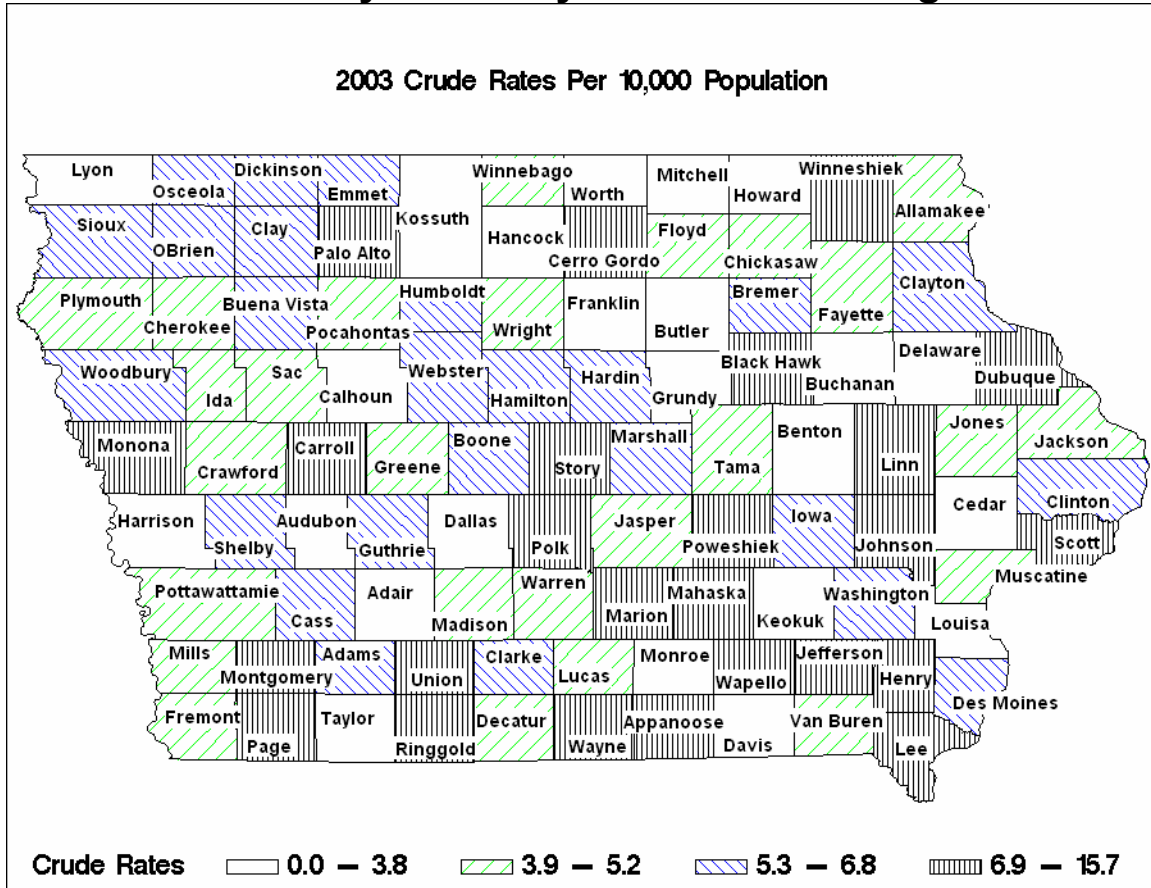
Primary Care Physicians Practicing³ - 2003

	Counties with Average Population < 10,000			Counties with Average Population 10,000 to 20,000			Counties with Average Population > 20,000			MSA Counties		
	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	2	2.5 (91)	Lucas	4	4.2 (70)						
	Adams	3	6.8 (26)	Monroe	3	3.8 (78)						
	Audubon	2	3.0 (87)	Osceola	4	5.9 (43)						
	Clarke	5	5.5 (45)	Pocahontas	4	4.8 (59)						
	Davis	3	3.5 (83)	Ringgold	5	9.4 (04)						
	Decatur	4	4.6 (65)	Taylor	1	1.4 (98)						
	Fremont	3	3.9 (75)	Van Buren	4	5.1 (53)						
	Howard	3	3.1 (86)	Wayne	6	9.0 (06)						
	Ida	4	5.2 (51)	Worth	0	0.0 (99)						
				Total	60	4.4						
Counties with Average Population 10,000 to 20,000	Allamakee	7	4.8 (60)	Humboldt	6	5.9 (42)						
	Appanoose	10	7.5 (19)	Iowa	10	6.3 (32)						
	Butler	3	2.0 (94)	Jefferson	11	6.9 (25)						
	Calhoun	4	3.7 (81)	Keokuk	2	1.8 (95)						
	Cass	9	6.3 (33)	Kossuth	6	3.6 (82)						
	Cedar	4	2.2 (93)	Louisa	3	2.4 (92)						
	Cherokee	6	4.7 (63)	Lyon	2	1.7 (96)						
	Chickasaw	6	4.7 (64)	Madison	6	4.1 (72)						
	Clay	11	6.4 (31)	Mills	7	4.8 (61)						
	Clayton	11	6.0 (40)	Mitchell	4	3.7 (79)						
	Crawford	8	4.7 (62)	Monona	7	7.1 (22)						
	Delaware	6	3.3 (84)	Montgomery	10	8.7 (09)						
	Dickinson	10	6.1 (37)	O'Brien	8	5.4 (49)						
	Emmet	6	5.6 (44)	Page	15	9.1 (05)						
	Floyd	8	4.8 (58)	Palo Alto	7	7.1 (23)						
	Franklin	4	3.7 (80)	Poweshiek	16	8.5 (11)						
	Greene	5	4.9 (57)	Sac	5	4.5 (66)						
	Grundy	4	3.2 (85)	Shelby	7	5.4 (48)						
	Guthrie	6	5.3 (50)	Tama	7	3.9 (74)						
	Hamilton	11	6.8 (28)	Union	10	8.3 (13)						
Hancock	2	1.7 (97)	Winnebago	5	4.3 (68)							
Hardin	11	6.0 (41)	Wright	7	5.0 (55)							
Harrison	4	2.6 (90)	Total	317	5.0							
Counties with Average Population > 20,000	Benton	7	2.7 (89)	Jones	8	3.9 (73)						
	Boone	16	6.1 (35)	Lee	29	7.9 (16)						
	Bremer	14	6.0 (39)	Mahaska	17	7.7 (18)						
	Buchanan	8	3.8 (77)	Marion	27	8.3 (12)						
	Buena Vista	11	5.4 (47)	Marshall	27	6.8 (27)						
	Carroll	17	8.1 (14)	Muscatine	18	4.3 (69)						
	Cerro Gordo	52	11.5 (02)	Plymouth	11	4.5 (67)						
	Clinton	27	5.4 (46)	Sioux	20	6.3 (34)						
	Des Moines	25	6.0 (38)	Story	59	7.3 (21)						
	Fayette	9	4.1 (71)	Wapello	32	8.9 (08)						
	Henry	15	7.5 (20)	Washington	14	6.6 (29)						
	Jackson	10	4.9 (56)	Webster	26	6.5 (30)						
	Jasper	19	5.1 (54)	Winneshiek	17	7.9 (15)						
				Total	535	6.5						
MSA Counties	Black Hawk	108	8.5 (10)	Polk	371	9.6 (03)						
	Dallas	12	2.7 (88)	Pottawattamie	46	5.2 (52)						
	Dubuque	80	8.9 (07)	Scott	123	7.7 (17)						
	Johnson	180	15.7 (01)	Warren	16	3.9 (76)						
	Linn	136	7.0 (24)	Woodbury	63	6.1 (36)						
				Total	1,135	8.4						
State Totals		2,047	7.0									

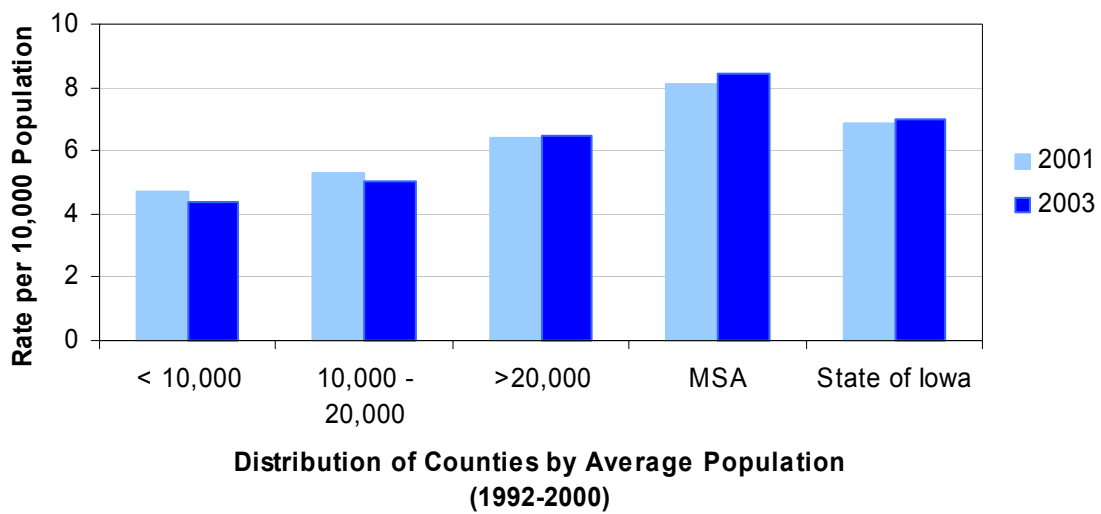
¹Rates per 10,000 population²Rank among 99 Iowa counties³Includes Family Practice, Internal Medicine, Pediatrics and Obstetrics/Gynecology Physicians

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Primary Care Physicians Practicing



Crude Rates, 2001 and 2003



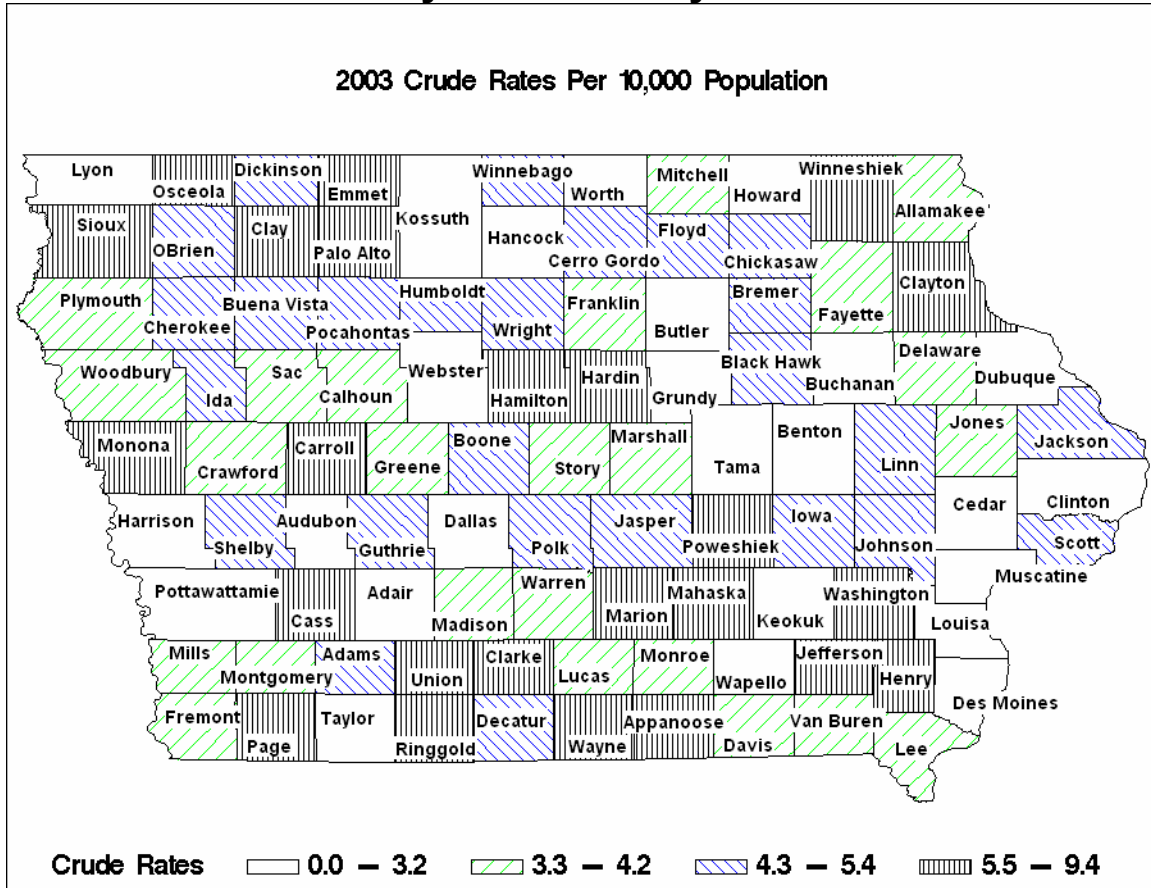
Family Practice Physicians - 2003

	County	#	Crude ¹	County	#	Crude ¹
Counties with Average Population < 10,000	Adair	2	2.5	Lucas	4	4.2
	Adams	2	4.6	Monroe	3	3.8
	Audubon	2	3.0	Osceola	4	5.9
	Clarke	5	5.5	Pocahontas	4	4.8
	Davis	3	3.5	Ringgold	5	9.4
	Decatur	4	4.6	Taylor	0	0.0
	Fremont	3	3.9	Van Buren	3	3.8
	Howard	3	3.1	Wayne	6	9.0
	Ida	4	5.2	Worth	0	0.0
				Total	57	4.2
Counties with Average Population 10,000 to 20,000	Allamakee	6	4.1	Humboldt	5	4.9
	Appanoose	8	6.0	Iowa	8	5.1
	Butler	3	2.0	Jefferson	10	6.3
	Calhoun	4	3.7	Keokuk	2	1.8
	Cass	9	6.3	Kossuth	5	3.0
	Cedar	4	2.2	Louisa	2	1.6
	Cherokee	6	4.7	Lyon	2	1.7
	Chickasaw	6	4.7	Madison	5	3.4
	Clay	11	6.4	Mills	5	3.4
	Clayton	11	6.0	Mitchell	4	3.7
	Crawford	7	4.1	Monona	6	6.1
	Delaware	6	3.3	Montgomery	4	3.5
	Dickinson	9	5.4	O'Brien	8	5.4
	Emmet	6	5.6	Page	12	7.3
	Floyd	8	4.8	Palo Alto	7	7.1
	Franklin	4	3.7	Poweshiek	12	6.3
	Greene	4	3.9	Sac	4	3.6
	Grundy	4	3.2	Shelby	7	5.4
	Guthrie	5	4.4	Tama	5	2.8
	Hamilton	9	5.5	Union	7	5.8
Hancock	2	1.7	Winnebago	5	4.3	
Hardin	11	6.0	Wright	7	5.0	
Harrison	4	2.6	Total	279	4.4	
Counties with Average Population > 20,000	Benton	6	2.3	Jones	8	3.9
	Boone	13	5.0	Lee	15	4.1
	Bremer	12	5.2	Mahaska	13	5.9
	Buchanan	6	2.9	Marion	18	5.5
	Buena Vista	10	4.9	Marshall	13	3.3
	Carroll	13	6.2	Muscatine	8	1.9
	Cerro Gordo	23	5.1	Plymouth	10	4.1
	Clinton	13	2.6	Sioux	20	6.3
	Des Moines	12	2.9	Story	28	3.5
	Fayette	8	3.7	Wapello	6	1.7
	Henry	12	6.0	Washington	12	5.7
	Jackson	10	4.9	Webster	12	3.0
	Jasper	16	4.3	Winneshiek	15	7.0
				Total	332	4.0
MSA Counties	Black Hawk	55	4.3	Polk	184	4.8
	Dallas	12	2.7	Pottawattamie	23	2.6
	Dubuque	23	2.6	Scott	68	4.3
	Johnson	60	5.2	Warren	16	3.9
	Linn	84	4.3	Woodbury	43	4.2
				Total	568	4.2
State Totals		1,236	4.2			

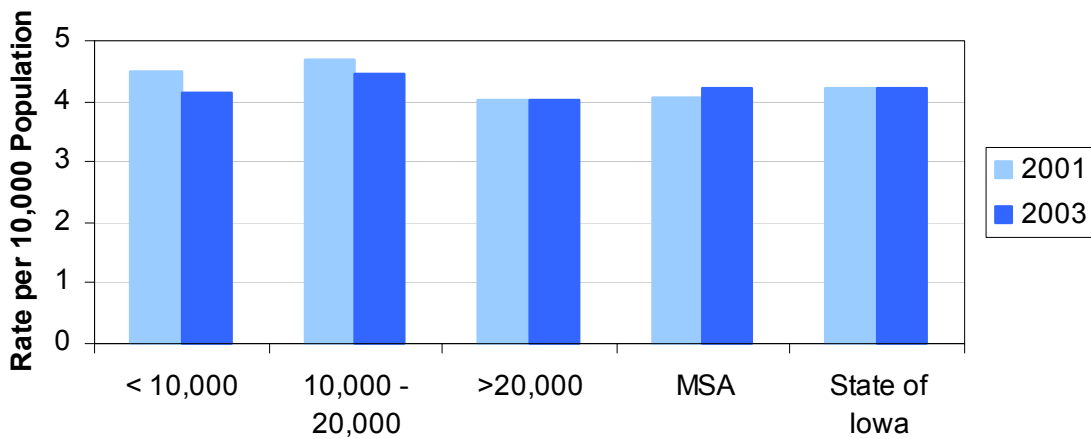
¹Rates per 10,000 population

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Family Practice Physicians

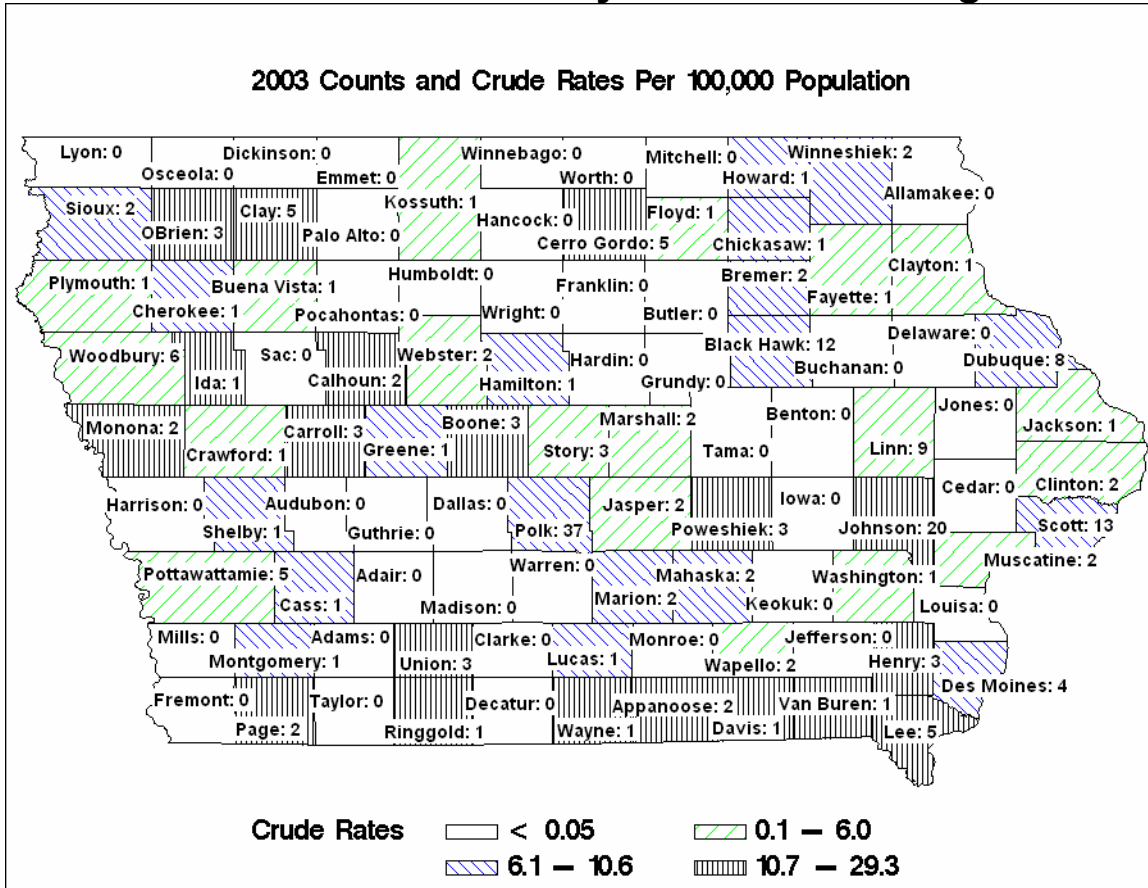


Crude Rates, 2001 and 2003

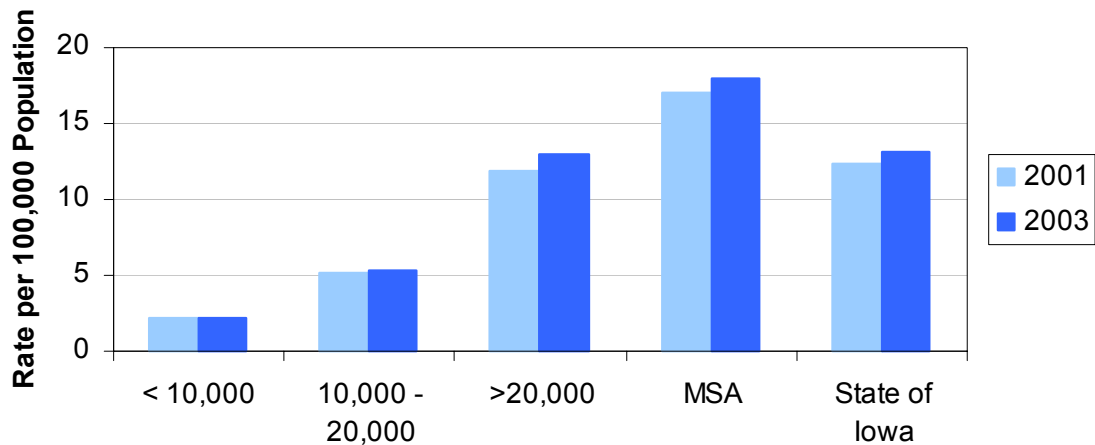


**Distribution of Counties by Average Population
(1992-2000)**

Internal Medicine Physicians Practicing



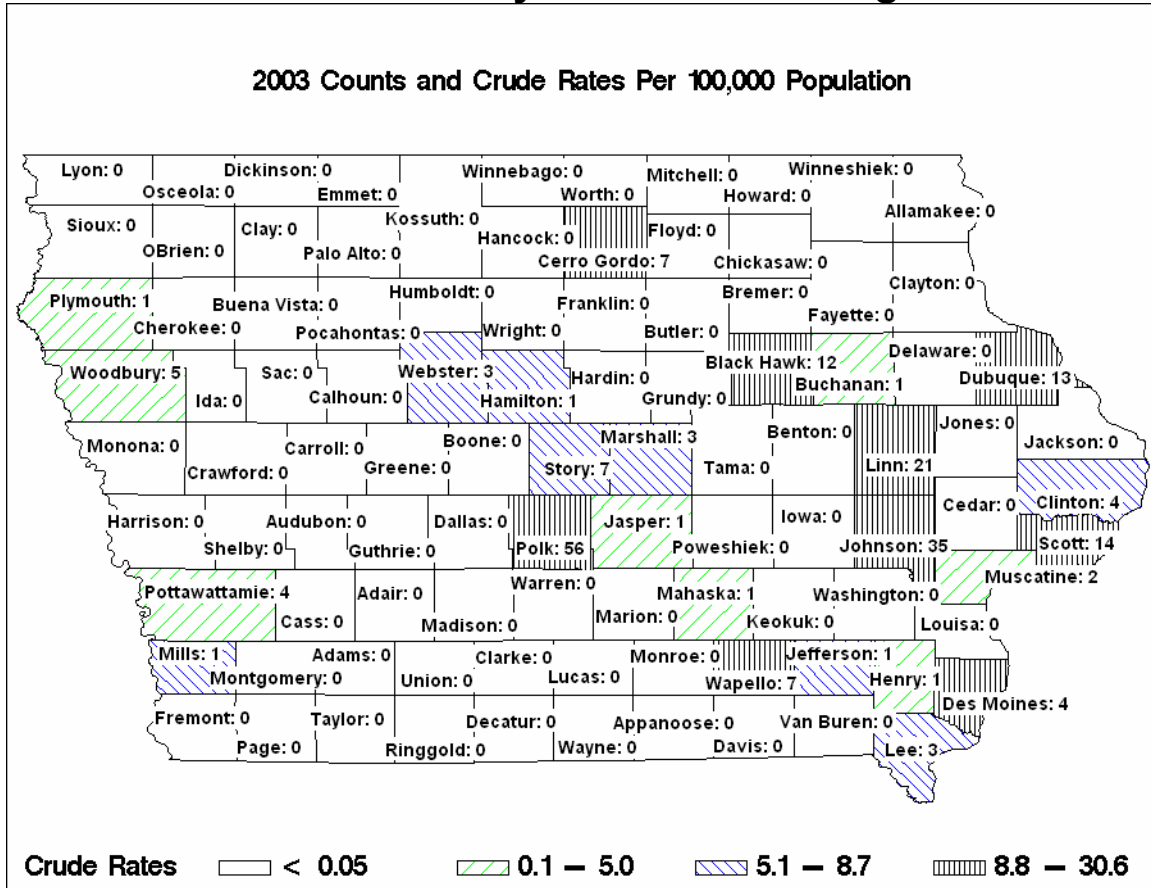
Crude Rates, 2001 and 2003



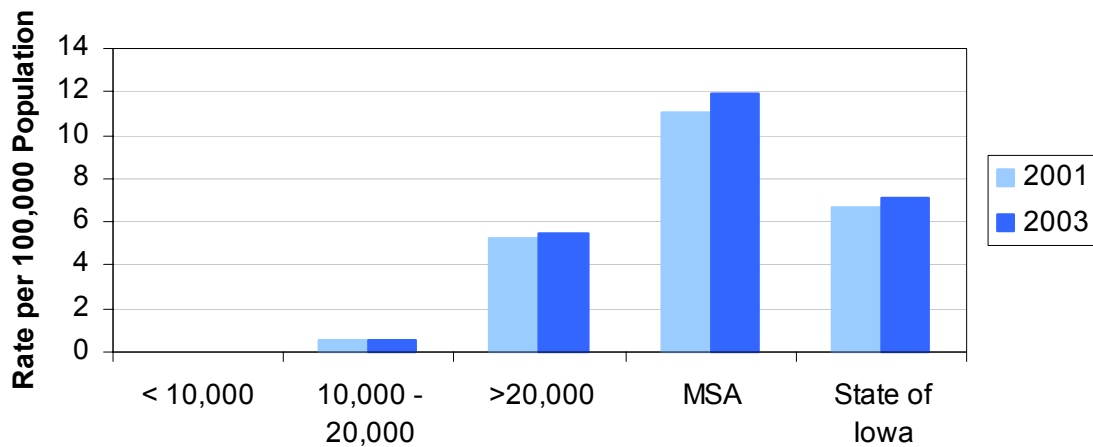
Distribution of Counties by Average Population (1992-2000)

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Pediatric Physicians Practicing



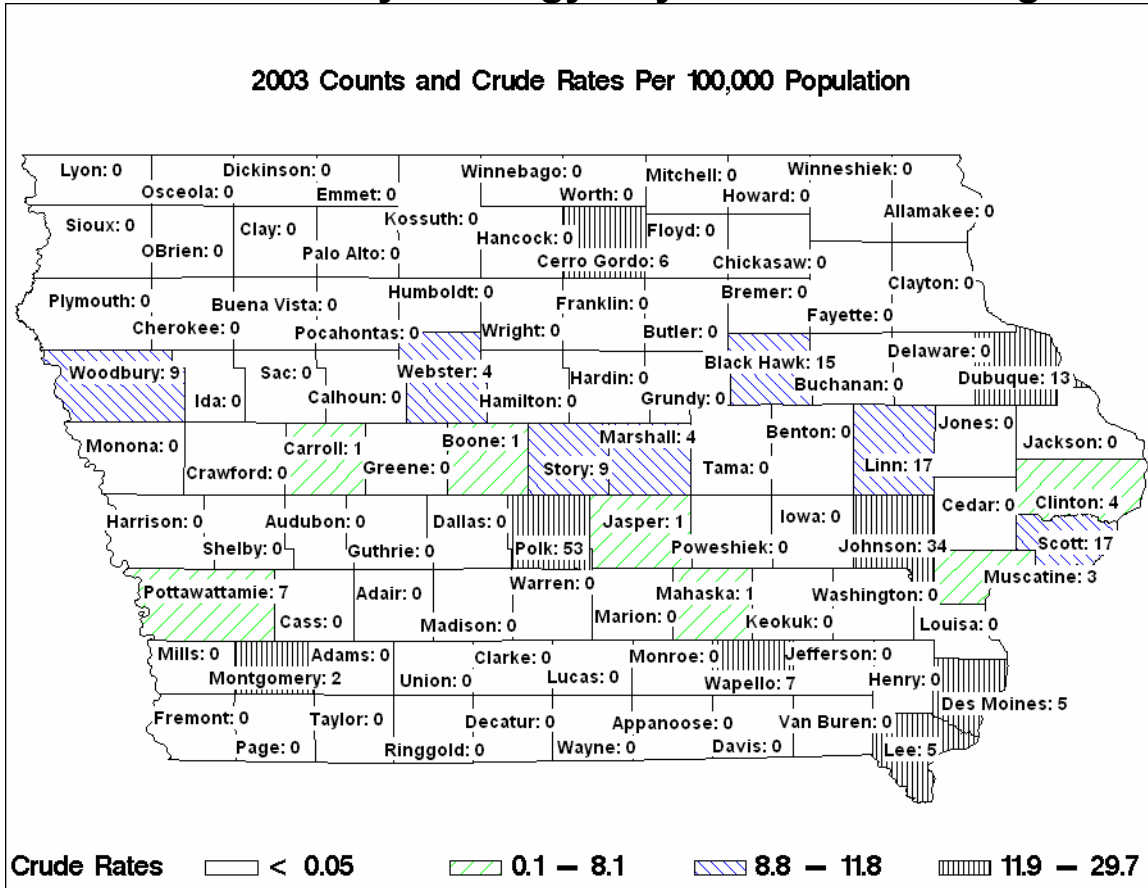
Crude Rates, 2001 and 2003



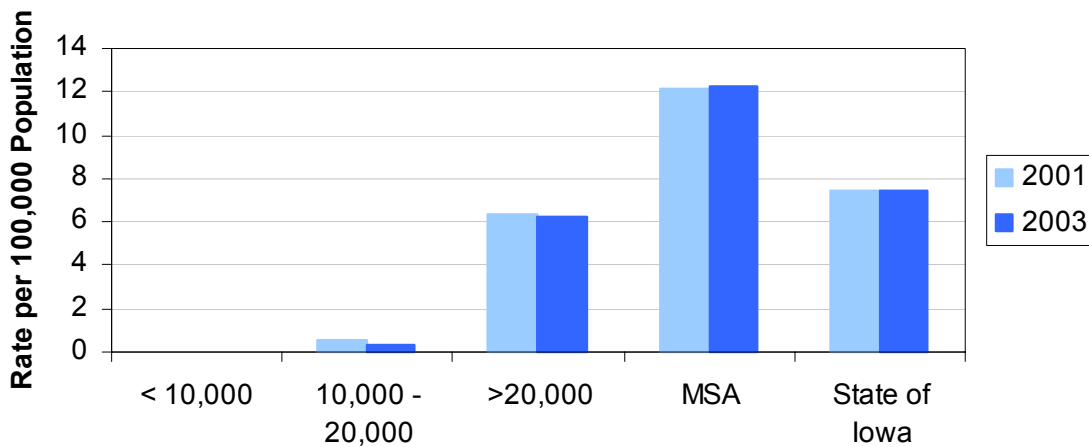
Distribution of Counties by Average Population (1992-2000)

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Obstetrics/Gynecology Physicians Practicing



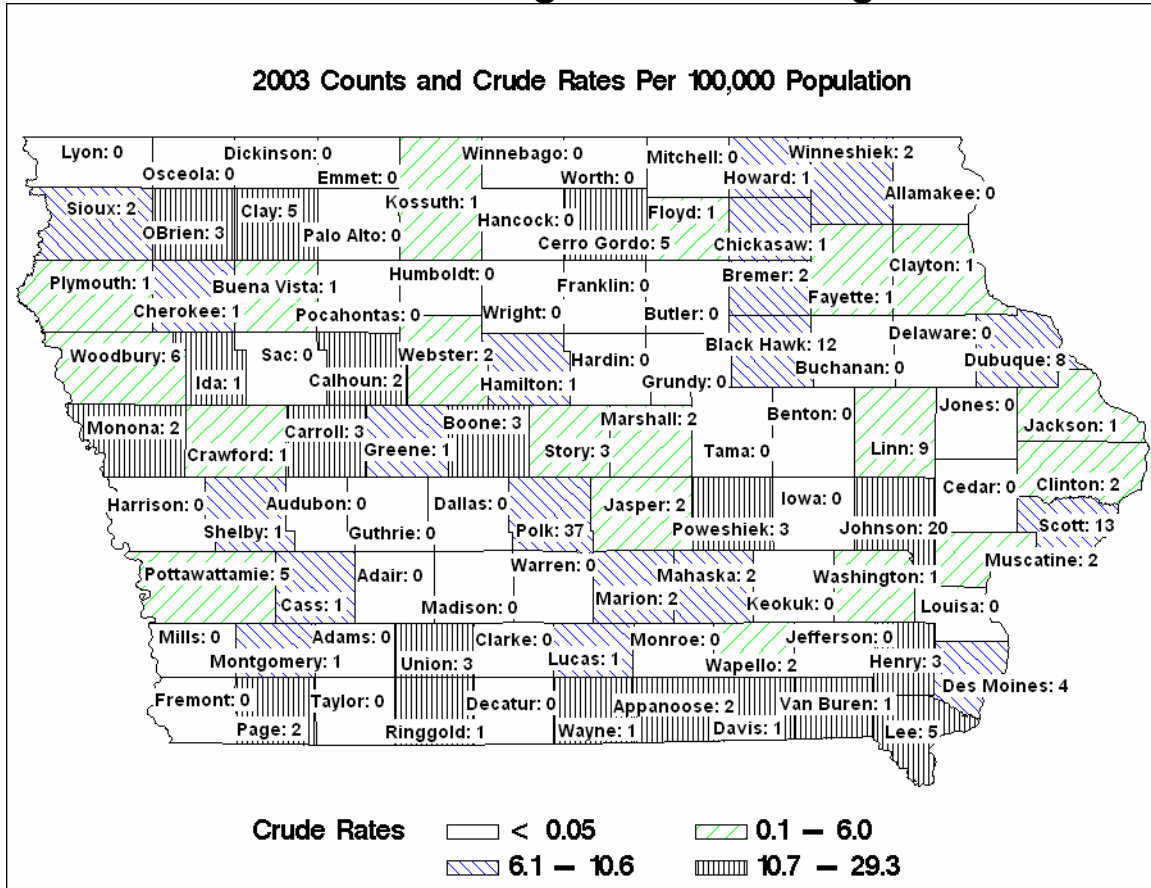
Crude Rates, 2001 and 2003



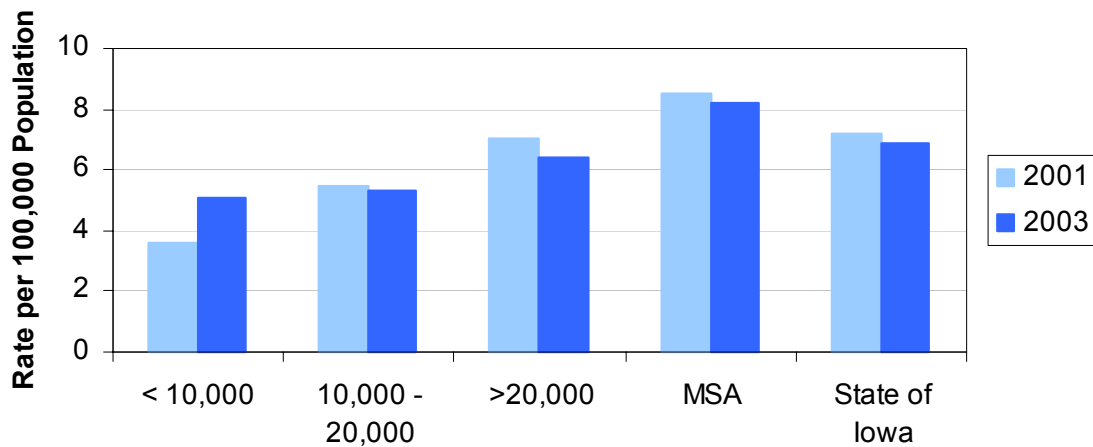
Distribution of Counties by Average Population (1992-2000)

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

General Surgeons Practicing



Crude Rates, 2001 and 2003



Distribution of Counties by Average Population (1992-2000)

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

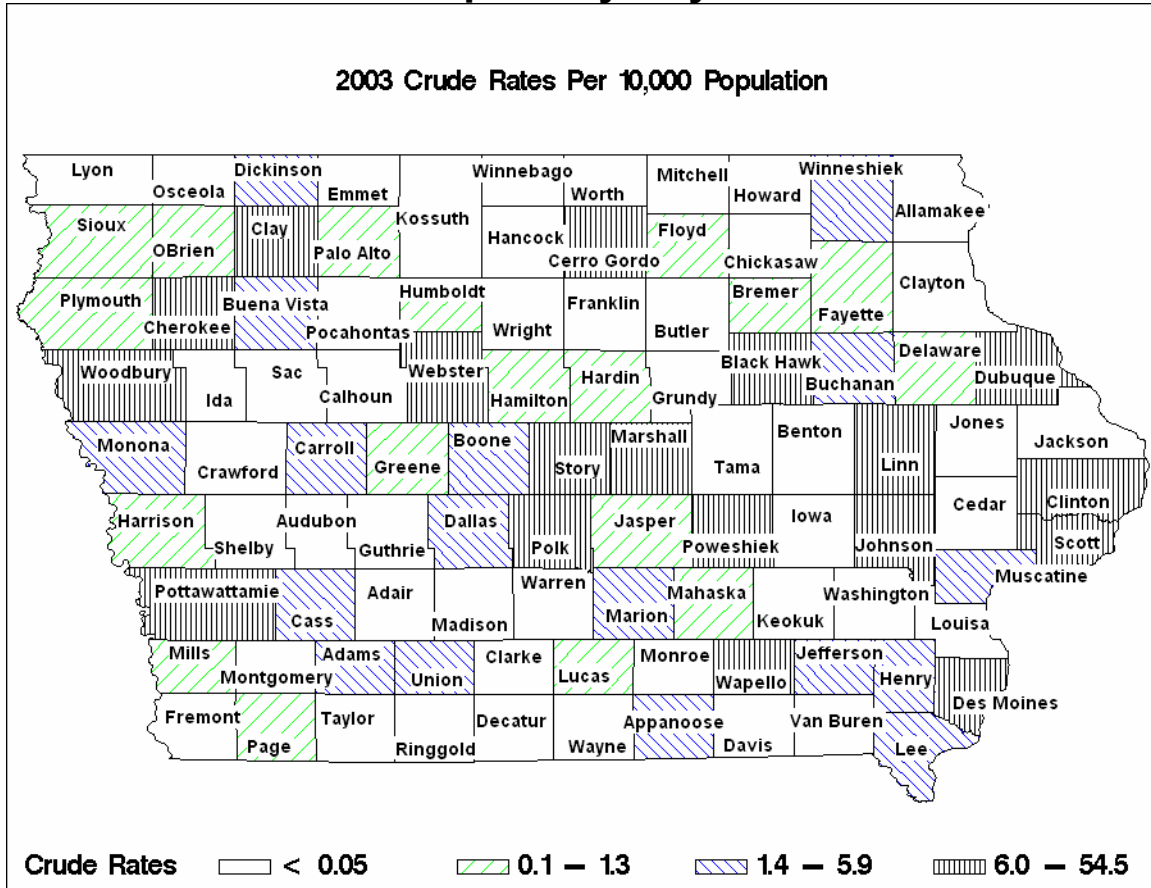
Other Specialty Physicians Practicing - 2003

	County			County		
	County	#	Crude ¹	County	#	Crude ¹
Counties with Average Population < 10,000	Adair	0	0.0	Lucas	1	1.1
	Adams	1	2.3	Monroe	0	0.0
	Audubon	0	0.0	Osceola	0	0.0
	Clarke	0	0.0	Pocahontas	0	0.0
	Davis	0	0.0	Ringgold	0	0.0
	Decatur	0	0.0	Taylor	0	0.0
	Fremont	0	0.0	Van Buren	0	0.0
	Howard	0	0.0	Wayne	0	0.0
	Ida	0	0.0	Worth	0	0.0
				Total	2	0.1
Counties with Average Population 10,000 to 20,000	Allamakee	0	0.0	Humboldt	1	1.0
	Appanoose	6	4.5	Iowa	0	0.0
	Butler	0	0.0	Jefferson	5	3.1
	Calhoun	0	0.0	Keokuk	0	0.0
	Cass	3	2.1	Kossuth	0	0.0
	Cedar	0	0.0	Louisa	0	0.0
	Cherokee	10	7.8	Lyon	0	0.0
	Chickasaw	0	0.0	Madison	0	0.0
	Clay	16	9.4	Mills	1	0.7
	Clayton	0	0.0	Mitchell	0	0.0
	Crawford	0	0.0	Monona	3	3.1
	Delaware	1	0.5	Montgomery	0	0.0
	Dickinson	3	1.8	O'Brien	1	0.7
	Emmet	0	0.0	Page	2	1.2
	Floyd	1	0.6	Palo Alto	1	1.0
	Franklin	0	0.0	Poweshiek	15	7.9
	Greene	1	1.0	Sac	0	0.0
	Grundy	0	0.0	Shelby	0	0.0
	Guthrie	0	0.0	Tama	0	0.0
	Hamilton	1	0.6	Union	2	1.7
Hancock	0	0.0	Winnebago	0	0.0	
Hardin	1	0.5	Wright	0	0.0	
Harrison	2	1.3	Total	76	1.2	
Counties with Average Population > 20,000	Benton	0	0.0	Jones	0	0.0
	Boone	4	1.5	Lee	18	4.9
	Bremer	2	0.9	Mahaska	2	0.9
	Buchanan	5	2.4	Marion	19	5.8
	Buena Vista	3	1.5	Marshall	26	6.6
	Carroll	12	5.7	Muscatine	10	2.4
	Cerro Gordo	88	19.4	Plymouth	1	0.4
	Clinton	34	6.8	Sioux	2	0.6
	Des Moines	50	12.1	Story	71	8.8
	Fayette	1	0.5	Wapello	48	13.4
	Henry	7	3.5	Washington	0	0.0
	Jackson	0	0.0	Webster	45	11.3
	Jasper	3	0.8	Winneshiek	6	2.8
				Total	457	5.6
MSA Counties	Black Hawk	142	11.1	Polk	596	15.5
	Dallas	6	1.4	Pottawattamie	58	6.6
	Dubuque	117	13.1	Scott	196	12.3
	Johnson	623	54.5	Warren	0	0.0
	Linn	228	11.7	Woodbury	121	11.7
				Total	2,087	15.5
State Totals	2,622	8.9				

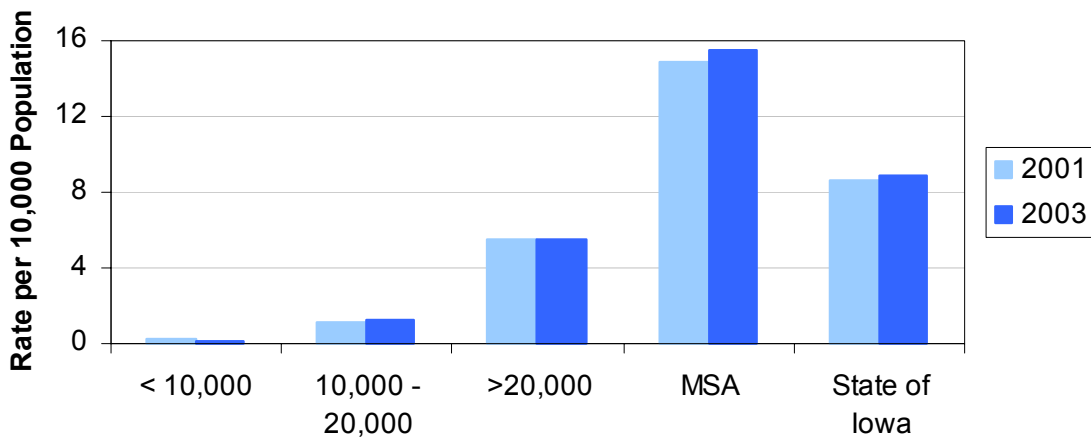
¹Rates per 10,000 population

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Other Specialty Physicians



Crude Rates, 2001 and 2003



Distribution of Counties by Average Population (1992-2000)

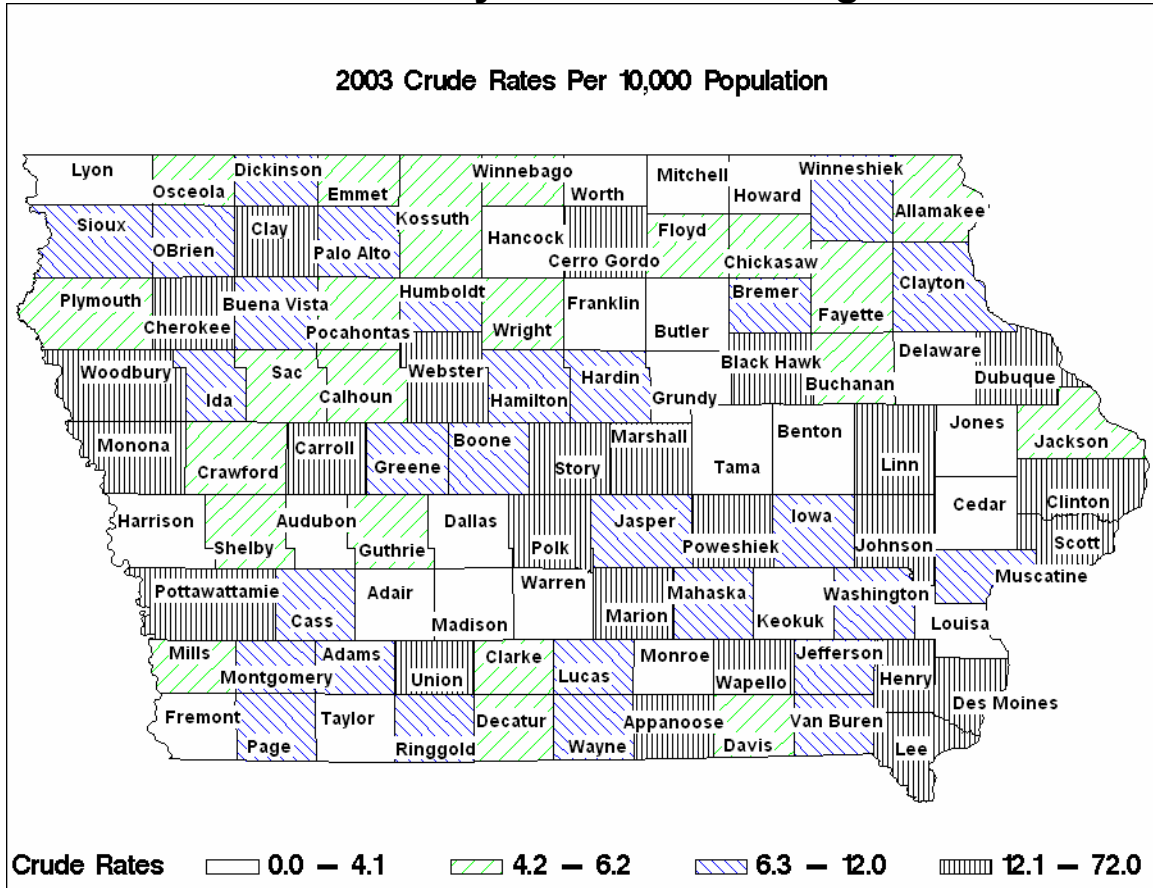
Total Physicians Practicing - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	2	2.5 (91)	Lucas	6	6.4 (52)
	Adams	4	9.1 (34)	Monroe	3	3.8 (84)
	Audubon	2	3.0 (89)	Osceola	4	5.9 (57)
	Clarke	5	5.5 (60)	Pocahontas	4	4.8 (69)
	Davis	4	4.7 (71)	Ringgold	6	11.3 (28)
	Decatur	4	4.6 (72)	Taylor	1	1.4 (98)
	Fremont	3	3.9 (81)	Van Buren	5	6.4 (51)
	Howard	4	4.1 (77)	Wayne	7	10.5 (29)
	Ida	5	6.5 (48)	Worth	0	0.0 (99)
				Total	69	5.0
Counties with Average Population 10,000 to 20,000	Allamakee	7	4.8 (70)	Humboldt	7	6.9 (46)
	Appanoose	18	13.4 (19)	Iowa	10	6.3 (53)
	Butler	3	2.0 (94)	Jefferson	16	10.0 (30)
	Calhoun	6	5.5 (59)	Keokuk	2	1.8 (95)
	Cass	13	9.1 (33)	Kossuth	7	4.2 (75)
	Cedar	4	2.2 (93)	Louisa	3	2.4 (92)
	Cherokee	17	13.3 (20)	Lyon	2	1.7 (96)
	Chickasaw	7	5.4 (63)	Madison	6	4.1 (76)
	Clay	32	18.8 (10)	Mills	8	5.4 (62)
	Clayton	12	6.5 (47)	Mitchell	4	3.7 (86)
	Crawford	9	5.3 (64)	Monona	12	12.2 (25)
	Delaware	7	3.8 (85)	Montgomery	11	9.6 (31)
	Dickinson	13	7.9 (39)	O'Brien	12	8.1 (37)
	Emmet	6	5.6 (58)	Page	19	11.5 (27)
	Floyd	10	6.0 (56)	Palo Alto	8	8.1 (36)
	Franklin	4	3.7 (87)	Poweshiek	34	18.0 (13)
	Greene	7	6.9 (45)	Sac	5	4.5 (73)
	Grundy	4	3.2 (88)	Shelby	8	6.2 (55)
	Guthrie	6	5.3 (65)	Tama	7	3.9 (80)
	Hamilton	13	8.0 (38)	Union	15	12.4 (23)
Hancock	2	1.7 (97)	Winnebago	5	4.3 (74)	
Hardin	12	6.5 (49)	Wright	7	5.0 (68)	
Harrison	6	3.8 (83)	Total	426	6.8	
Counties with Average Population > 20,000	Benton	7	2.7 (90)	Jones	8	3.9 (79)
	Boone	23	8.8 (35)	Lee	52	14.1 (17)
	Bremer	18	7.7 (40)	Mahaska	21	9.5 (32)
	Buchanan	13	6.2 (54)	Marion	48	14.7 (16)
	Buena Vista	15	7.4 (42)	Marshall	55	13.9 (18)
	Carroll	32	15.2 (15)	Muscatine	30	7.1 (43)
	Cerro Gordo	145	32.0 (02)	Plymouth	13	5.3 (66)
	Clinton	63	12.7 (21)	Sioux	24	7.5 (41)
	Des Moines	79	19.1 (09)	Story	133	16.5 (14)
	Fayette	11	5.1 (67)	Wapello	82	22.9 (05)
	Henry	25	12.4 (22)	Washington	15	7.1 (44)
	Jackson	11	5.4 (61)	Webster	73	18.3 (12)
	Jasper	24	6.4 (50)	Winneshiek	25	11.7 (26)
				Total	1,045	12.7
	MSA Counties	Black Hawk	262	20.6 (07)	Polk	1,004
Dallas		18	4.1 (78)	Pottawattamie	109	12.4 (24)
Dubuque		205	22.9 (04)	Scott	332	20.8 (06)
Johnson		823	72.0 (01)	Warren	16	3.9 (82)
Linn		373	19.1 (08)	Woodbury	190	18.4 (11)
				Total	3,332	24.7
State Totals		4,872	16.6			

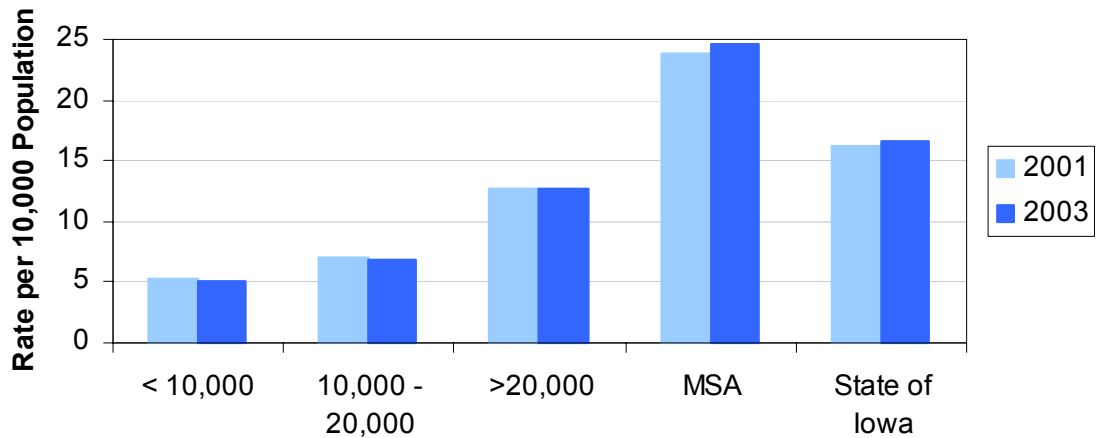
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Total Physicians Practicing

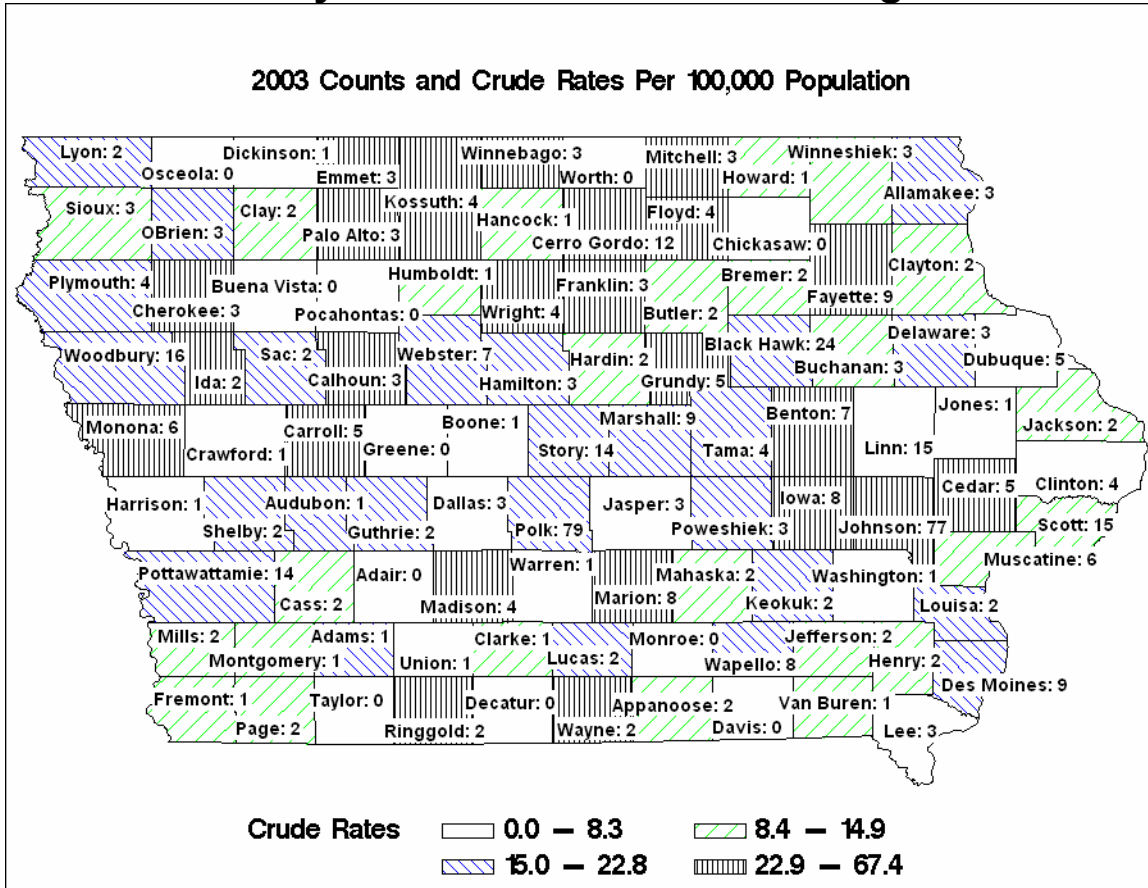


Crude Rates, 2001 and 2003

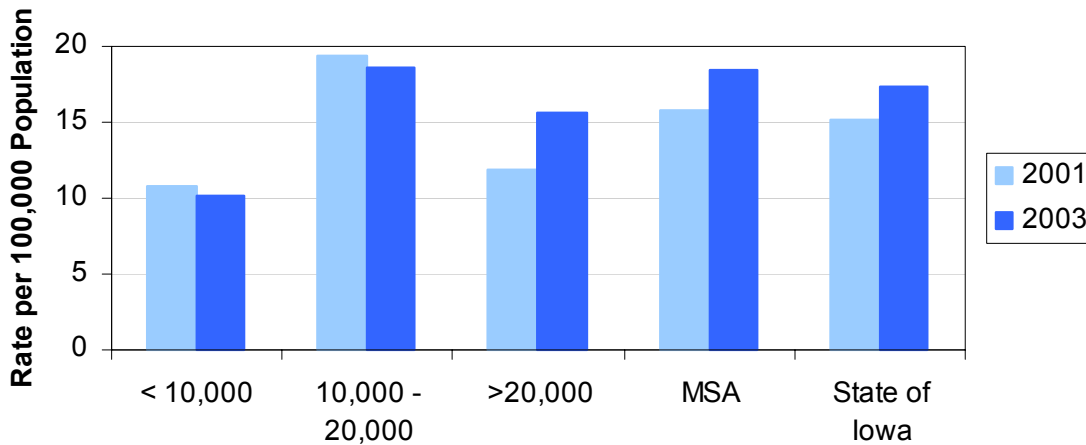


Distribution of Counties by Average Population (1992-2000)

Physician Assistants Practicing



Crude Rates, 2001 and 2003

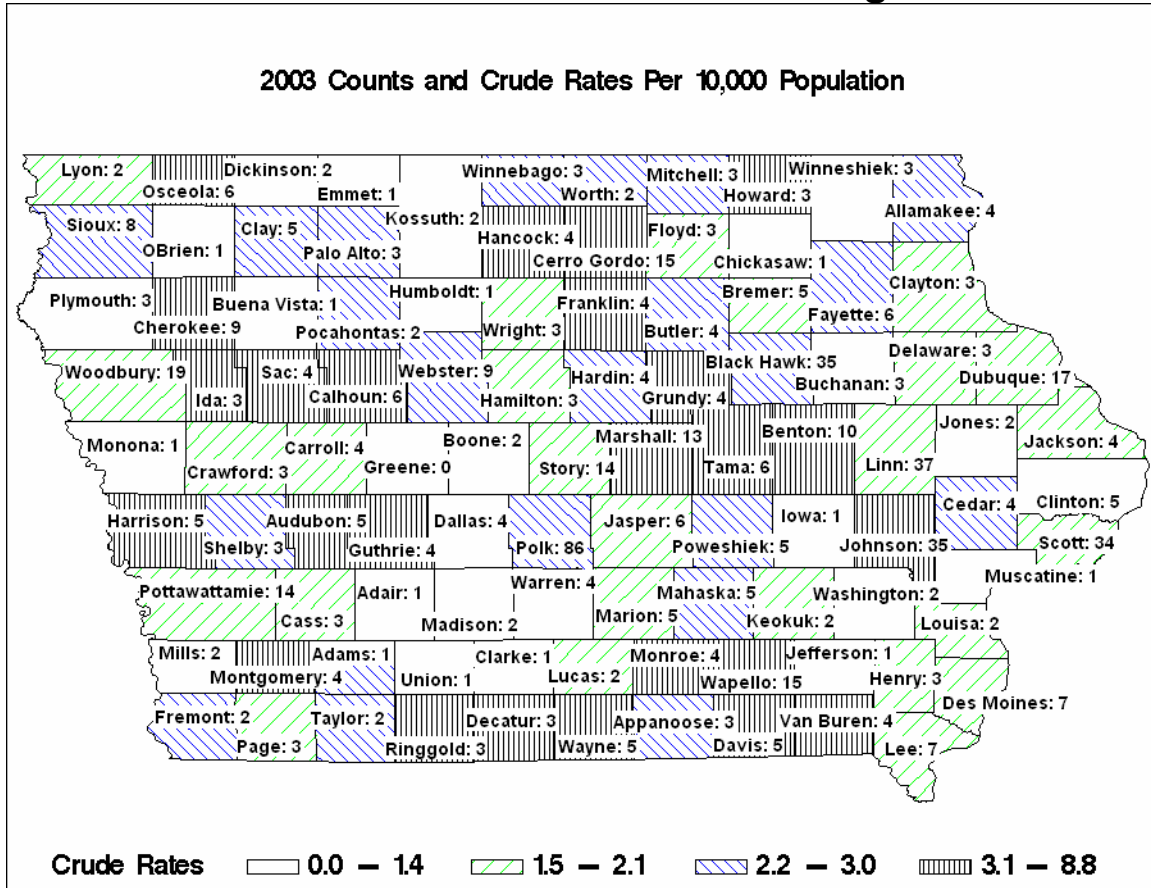


Distribution of Counties by Average Population (1992-2000)

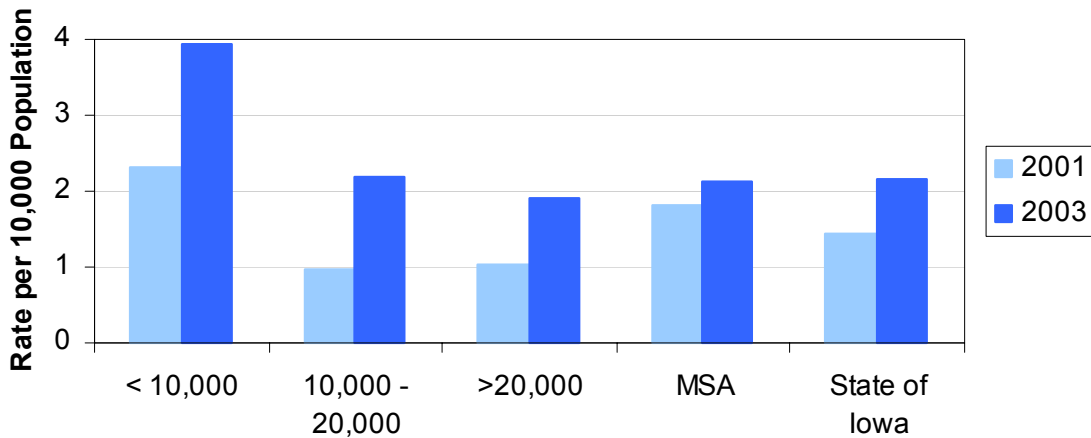
Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Nurse Practitioners Practicing

2003 Counts and Crude Rates Per 10,000 Population



Crude Rates, 2001 and 2003



Distribution of Counties by Average Population (1992-2000)

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

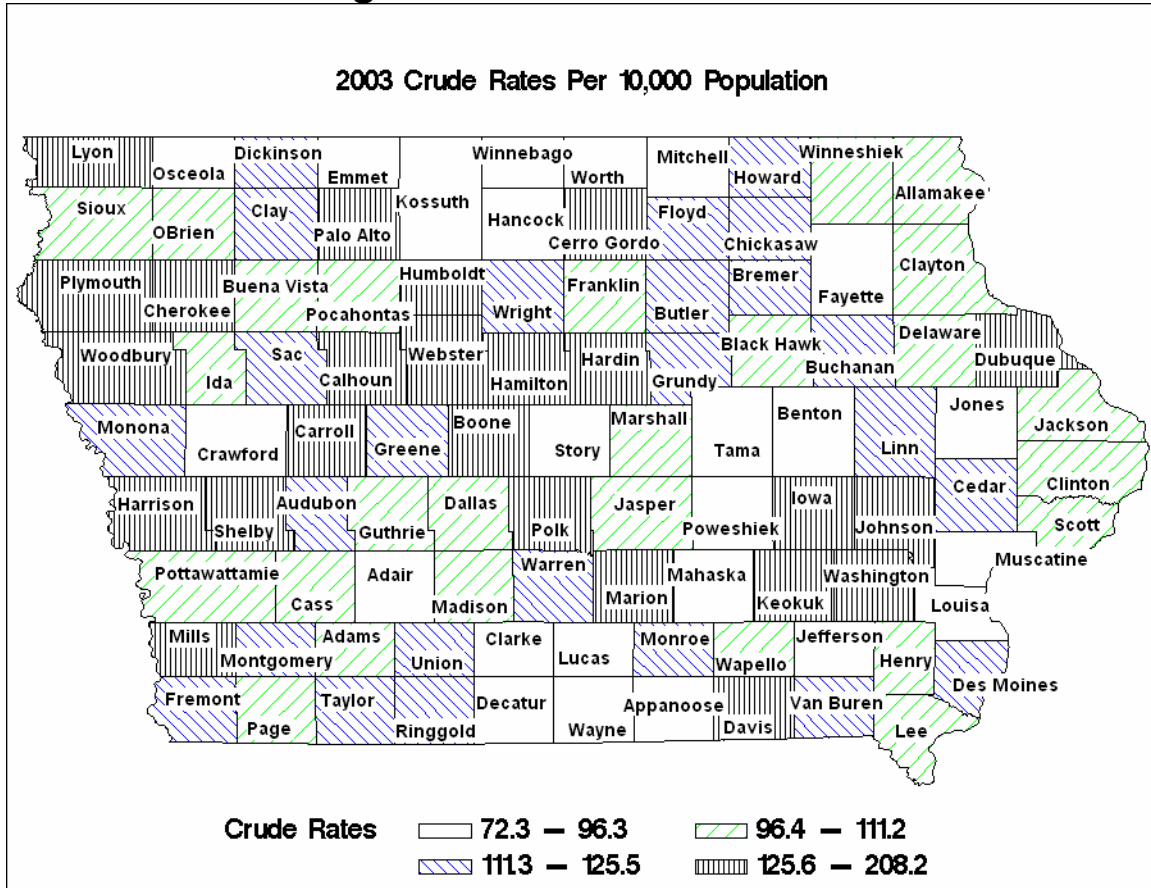
Registered Nurses Licensed - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	59	73.9 (96)	Lucas	81	85.8 (89)
	Adams	48	109.5 (54)	Monroe	93	118.7 (34)
	Audubon	77	115.8 (42)	Osceola	62	90.9 (83)
	Clarke	78	86.1 (87)	Pocahontas	88	105.6 (59)
	Davis	127	147.8 (05)	Ringgold	65	122.7 (28)
	Decatur	76	88.1 (85)	Taylor	78	113.0 (46)
	Fremont	88	113.6 (45)	Van Buren	90	115.4 (43)
	Howard	110	112.2 (48)	Wayne	56	84.2 (90)
	Ida	80	104.5 (61)	Worth	72	92.7 (80)
				Total	1,428	104.0
Counties with Average Population 10,000 to 20,000	Allamakee	151	103.5 (63)	Humboldt	140	137.8 (12)
	Appanoose	115	85.8 (88)	Iowa	212	134.1 (17)
	Butler	176	116.9 (39)	Jefferson	117	73.4 (97)
	Calhoun	183	169.2 (02)	Keokuk	176	154.1 (03)
	Cass	146	102.6 (66)	Kossuth	139	83.4 (91)
	Cedar	216	117.7 (36)	Louisa	100	81.7 (92)
	Cherokee	180	141.0 (09)	Lyon	156	133.3 (18)
	Chickasaw	145	112.5 (47)	Madison	151	104.1 (62)
	Clay	200	117.2 (38)	Mills	190	129.1 (22)
	Clayton	182	99.1 (69)	Mitchell	101	94.5 (78)
	Crawford	123	72.5 (98)	Monona	112	114.0 (44)
	Delaware	177	96.6 (74)	Montgomery	136	118.9 (33)
	Dickinson	199	120.4 (32)	O'Brien	156	105.1 (60)
	Emmet	99	92.3 (82)	Page	170	102.8 (65)
	Floyd	208	125.5 (25)	Palo Alto	133	134.5 (15)
	Franklin	107	99.9 (68)	Poweshiek	165	87.3 (86)
	Greene	127	125.1 (26)	Sac	135	121.6 (30)
	Grundy	146	117.5 (37)	Shelby	174	134.1 (16)
	Guthrie	124	109.6 (52)	Tama	162	90.3 (84)
	Hamilton	210	129.4 (21)	Union	146	120.5 (31)
Hancock	114	96.3 (76)	Winnebago	109	94.1 (79)	
Hardin	253	137.6 (14)	Wright	171	122.3 (29)	
Harrison	220	141.2 (08)	Total	7,052	112.2	
Counties with Average Population > 20,000	Benton	241	92.4 (81)	Jones	161	78.8 (94)
	Boone	335	128.0 (23)	Lee	363	98.4 (70)
	Bremer	291	125.0 (27)	Mahaska	172	77.4 (95)
	Buchanan	242	115.9 (41)	Marion	435	133.1 (19)
	Buena Vista	198	97.2 (73)	Marshall	428	108.4 (55)
	Carroll	277	131.2 (20)	Muscatine	304	72.3 (99)
	Cerro Gordo	631	139.2 (10)	Plymouth	342	138.9 (11)
	Clinton	529	106.5 (58)	Sioux	340	106.8 (57)
	Des Moines	464	111.9 (49)	Story	773	95.8 (77)
	Fayette	173	79.7 (93)	Wapello	392	109.5 (53)
	Henry	208	103.4 (64)	Washington	318	150.7 (04)
	Jackson	197	97.5 (72)	Webster	580	145.7 (06)
	Jasper	361	96.6 (75)	Winneshiek	214	99.9 (67)
				Total	8,969	109.0
MSA Counties	Black Hawk	1,245	97.7 (71)	Polk	4,919	127.5 (24)
	Dallas	476	107.6 (56)	Pottawattamie	980	111.2 (50)
	Dubuque	1,299	145.3 (07)	Scott	1,765	110.7 (51)
	Johnson	2,380	208.2 (01)	Warren	482	116.1 (40)
	Linn	2,308	118.4 (35)	Woodbury	1,423	137.7 (13)
				Total	17,277	128.1
State Total		34,726	118.2			

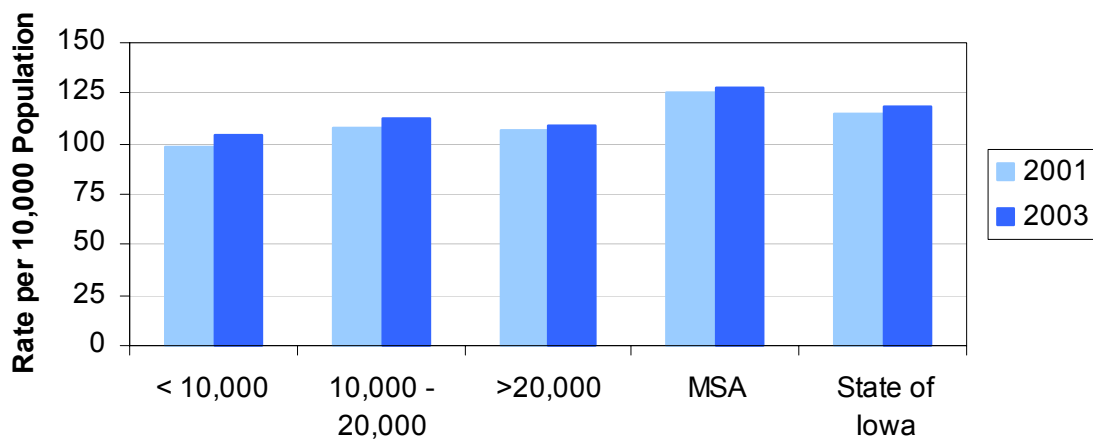
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Board of Nursing, Iowa Department of Public Health

Registered Nurses Licensed



Crude Rates, 2001 and 2003



**Distribution of Counties by Average Population
(1992-2000)**

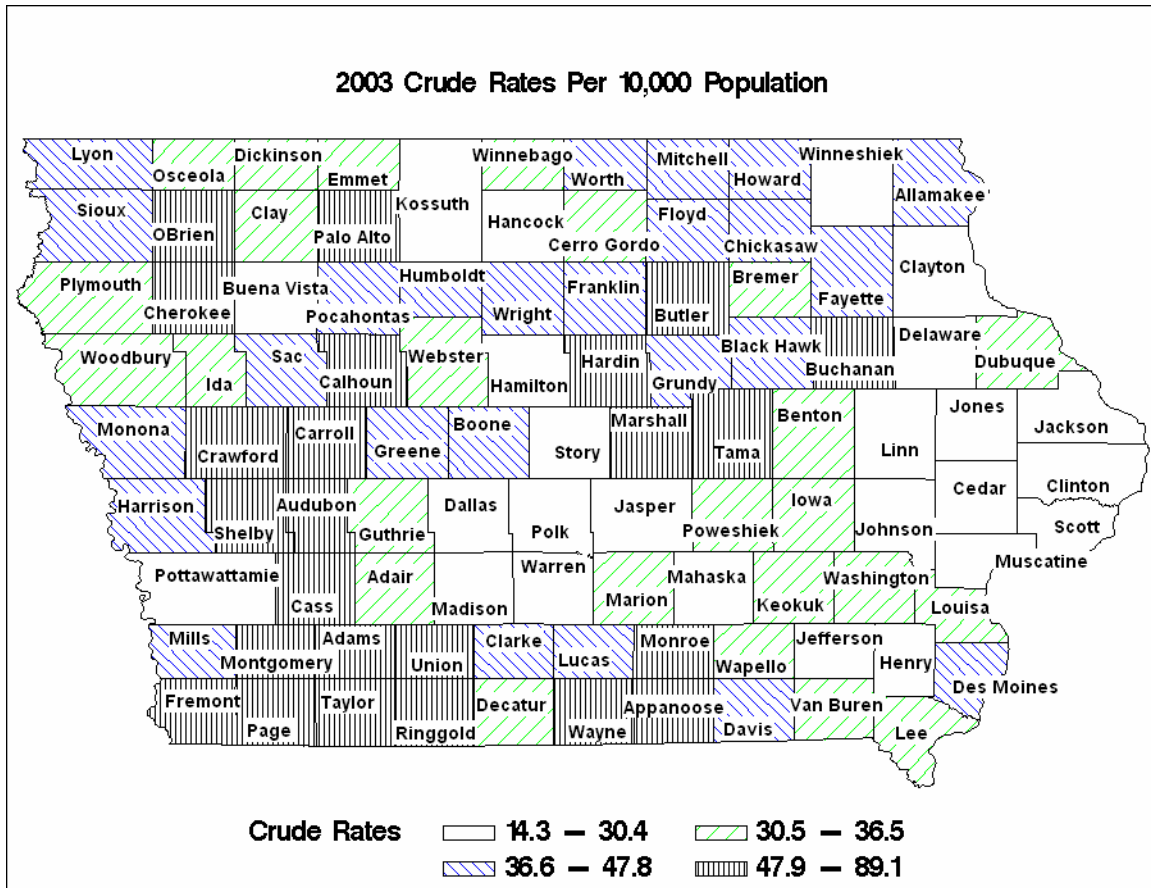
Licensed Practical Nurses - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	25	31.3 (73)	Lucas	42	44.5 (28)
	Adams	33	75.3 (05)	Monroe	51	65.1 (10)
	Audubon	52	78.2 (04)	Osceola	22	32.3 (66)
	Clarke	37	40.8 (34)	Pocahontas	39	46.8 (27)
	Davis	41	47.7 (26)	Ringgold	29	54.7 (18)
	Decatur	29	33.6 (62)	Taylor	45	65.2 (09)
	Fremont	69	89.1 (01)	Van Buren	25	32.1 (69)
	Howard	40	40.8 (36)	Wayne	54	81.2 (02)
	Ida	27	35.3 (55)	Worth	31	39.9 (41)
				Total	691	50.3
Counties with Average Population 10,000 to 20,000	Allamakee	60	41.1 (33)	Humboldt	39	38.4 (46)
	Appanoose	94	70.1 (06)	Iowa	49	31.0 (74)
	Butler	100	66.4 (08)	Jefferson	37	23.2 (88)
	Calhoun	53	49.0 (22)	Keokuk	41	35.9 (52)
	Cass	80	56.2 (17)	Kossuth	45	27.0 (81)
	Cedar	32	17.4 (96)	Louisa	42	34.3 (57)
	Cherokee	74	58.0 (16)	Lyon	49	41.9 (31)
	Chickasaw	52	40.3 (38)	Madison	43	29.7 (76)
	Clay	62	36.3 (51)	Mills	55	37.4 (48)
	Clayton	53	28.8 (78)	Mitchell	47	44.0 (29)
	Crawford	102	60.1 (14)	Monona	47	47.8 (25)
	Delaware	46	25.1 (83)	Montgomery	70	61.2 (13)
	Dickinson	59	35.7 (53)	O'Brien	81	54.6 (20)
	Emmet	37	34.5 (56)	Page	131	79.2 (03)
	Floyd	72	43.4 (30)	Palo Alto	48	48.6 (23)
	Franklin	43	40.1 (39)	Poweshiek	60	31.7 (71)
	Greene	39	38.4 (45)	Sac	46	41.4 (32)
	Grundy	49	39.4 (42)	Shelby	71	54.7 (19)
	Guthrie	40	35.3 (54)	Tama	93	51.8 (21)
	Hamilton	40	24.6 (84)	Union	82	67.7 (07)
Hancock	36	30.4 (75)	Winnebago	37	32.0 (70)	
Hardin	88	47.9 (24)	Wright	53	37.9 (47)	
Harrison	61	39.1 (43)	Total	2,638	42.0	
Counties with Average Population > 20,000	Benton	85	32.6 (64)	Jones	52	25.5 (82)
	Boone	105	40.1 (40)	Lee	125	33.9 (61)
	Bremer	85	36.5 (50)	Mahaska	65	29.3 (77)
	Buchanan	123	58.9 (15)	Marion	111	34.0 (59)
	Buena Vista	50	24.6 (85)	Marshall	250	63.3 (11)
	Carroll	133	63.0 (12)	Muscatine	88	20.9 (92)
	Cerro Gordo	146	32.2 (67)	Plymouth	79	32.1 (68)
	Clinton	116	23.4 (86)	Sioux	130	40.8 (35)
	Des Moines	152	36.7 (49)	Story	174	21.6 (91)
	Fayette	84	38.7 (44)	Wapello	113	31.6 (72)
	Henry	47	23.4 (87)	Washington	72	34.1 (58)
	Jackson	40	19.8 (93)	Webster	129	32.4 (65)
	Jasper	70	18.7 (94)	Winneshiek	59	27.5 (79)
				Total	2,683	32.6
MSA Counties	Black Hawk	516	40.5 (37)	Polk	659	17.1 (97)
	Dallas	80	18.1 (95)	Pottawattamie	239	27.1 (80)
	Dubuque	303	33.9 (60)	Scott	272	17.1 (98)
	Johnson	164	14.3 (99)	Warren	96	23.1 (89)
	Linn	443	22.7 (90)	Woodbury	341	33.0 (63)
				Total	3,113	23.1
State Totals		9,125	31.1			

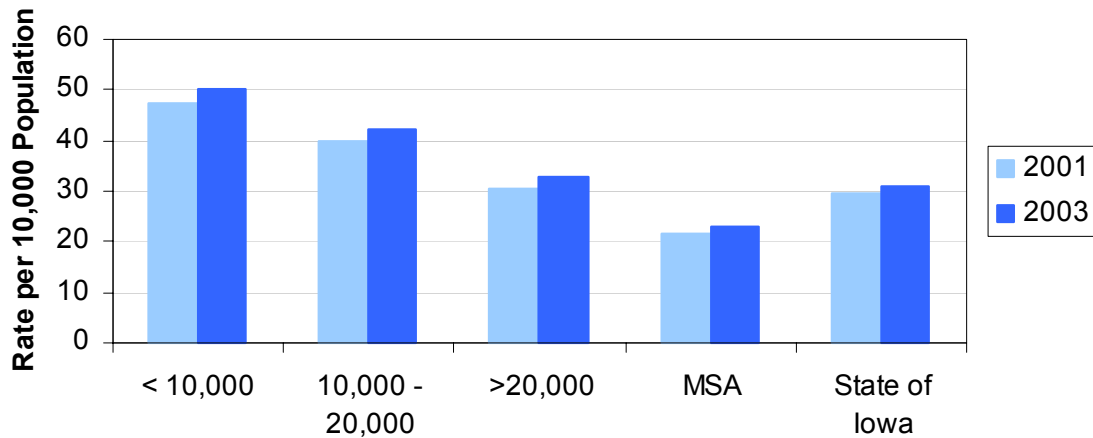
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Board of Nursing, Iowa Department of Public Health

Licensed Practical Nurses



Crude Rates, 2001 and 2003



Distribution of Counties by Average Population (1992-2000)

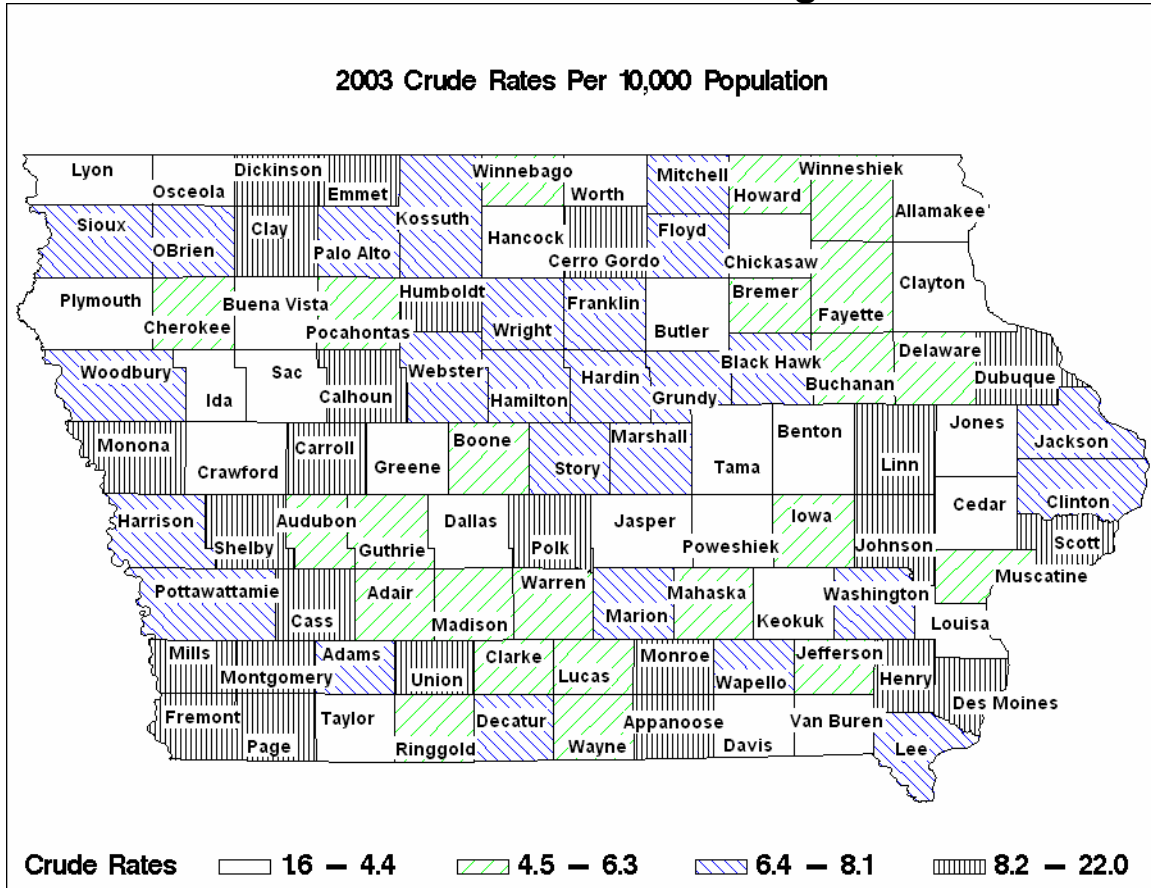
Pharmacists Practicing - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	4	5.0 (67)	Lucas	5	5.3 (65)
	Adams	3	6.8 (44)	Monroe	7	8.9 (18)
	Audubon	3	4.5 (73)	Osceola	3	4.4 (75)
	Clarke	5	5.5 (60)	Pocahontas	4	4.8 (69)
	Davis	3	3.5 (90)	Ringgold	3	5.7 (58)
	Decatur	7	8.1 (26)	Taylor	3	4.3 (77)
	Fremont	8	10.3 (05)	Van Buren	2	2.6 (97)
	Howard	5	5.1 (66)	Wayne	4	6.0 (57)
	Ida	3	3.9 (82)	Worth	2	2.6 (96)
				Total	74	5.4
Counties with Average Population 10,000 to 20,000	Allamakee	6	4.1 (80)	Humboldt	9	8.9 (19)
	Appanoose	12	9.0 (16)	Iowa	10	6.3 (51)
	Butler	4	2.7 (95)	Jefferson	10	6.3 (52)
	Calhoun	10	9.2 (14)	Keokuk	4	3.5 (89)
	Cass	15	10.5 (04)	Kossuth	12	7.2 (41)
	Cedar	6	3.3 (94)	Louisa	2	1.6 (99)
	Cherokee	8	6.3 (53)	Lyon	4	3.4 (92)
	Chickasaw	5	3.9 (84)	Madison	9	6.2 (54)
	Clay	15	8.8 (20)	Mills	12	8.2 (24)
	Clayton	8	4.4 (76)	Mitchell	7	6.5 (46)
	Crawford	7	4.1 (79)	Monona	10	10.2 (07)
	Delaware	9	4.9 (68)	Montgomery	11	9.6 (11)
	Dickinson	16	9.7 (10)	O'Brien	11	7.4 (36)
	Emmet	10	9.3 (13)	Page	17	10.3 (06)
	Floyd	12	7.2 (40)	Palo Alto	7	7.1 (43)
	Franklin	7	6.5 (47)	Poweshiek	8	4.2 (78)
	Greene	4	3.9 (81)	Sac	4	3.6 (88)
	Grundy	9	7.2 (39)	Shelby	13	10.0 (08)
	Guthrie	6	5.3 (64)	Tama	4	2.2 (98)
	Hamilton	11	6.8 (45)	Union	10	8.3 (22)
Hancock	4	3.4 (93)	Winnebago	7	6.0 (55)	
Hardin	14	7.6 (32)	Wright	9	6.4 (49)	
Harrison	10	6.4 (50)	Total	398	6.3	
Counties with Average Population > 20,000	Benton	9	3.4 (91)	Jones	8	3.9 (83)
	Boone	14	5.4 (63)	Lee	29	7.9 (28)
	Bremer	14	6.0 (56)	Mahaska	12	5.4 (62)
	Buchanan	10	4.8 (70)	Marion	26	8.0 (27)
	Buena Vista	9	4.4 (74)	Marshall	29	7.3 (37)
	Carroll	19	9.0 (15)	Muscatine	23	5.5 (61)
	Cerro Gordo	57	12.6 (03)	Plymouth	9	3.7 (86)
	Clinton	36	7.3 (38)	Sioux	25	7.9 (29)
	Des Moines	34	8.2 (23)	Story	52	6.4 (48)
	Fayette	12	5.5 (59)	Wapello	28	7.8 (31)
	Henry	18	8.9 (17)	Washington	15	7.1 (42)
	Jackson	15	7.4 (35)	Webster	30	7.5 (33)
	Jasper	14	3.7 (85)	Winneshiek	10	4.7 (71)
				Total	557	6.8
	MSA Counties	Black Hawk	95	7.5 (34)	Polk	485
Dallas		16	3.6 (87)	Pottawattamie	69	7.8 (30)
Dubuque		89	10.0 (09)	Scott	136	8.5 (21)
Johnson		252	22.0 (01)	Warren	19	4.6 (72)
Linn		184	9.4 (12)	Woodbury	84	8.1 (25)
				Total	1,429	10.6
State Totals		2,458	8.4			

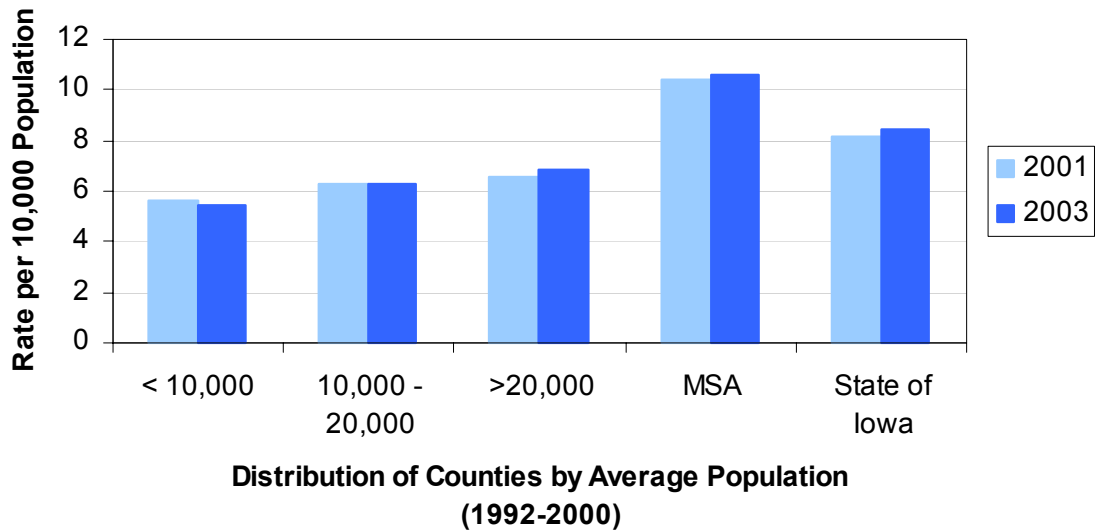
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Pharmacists Practicing



Crude Rates, 2001 and 2003



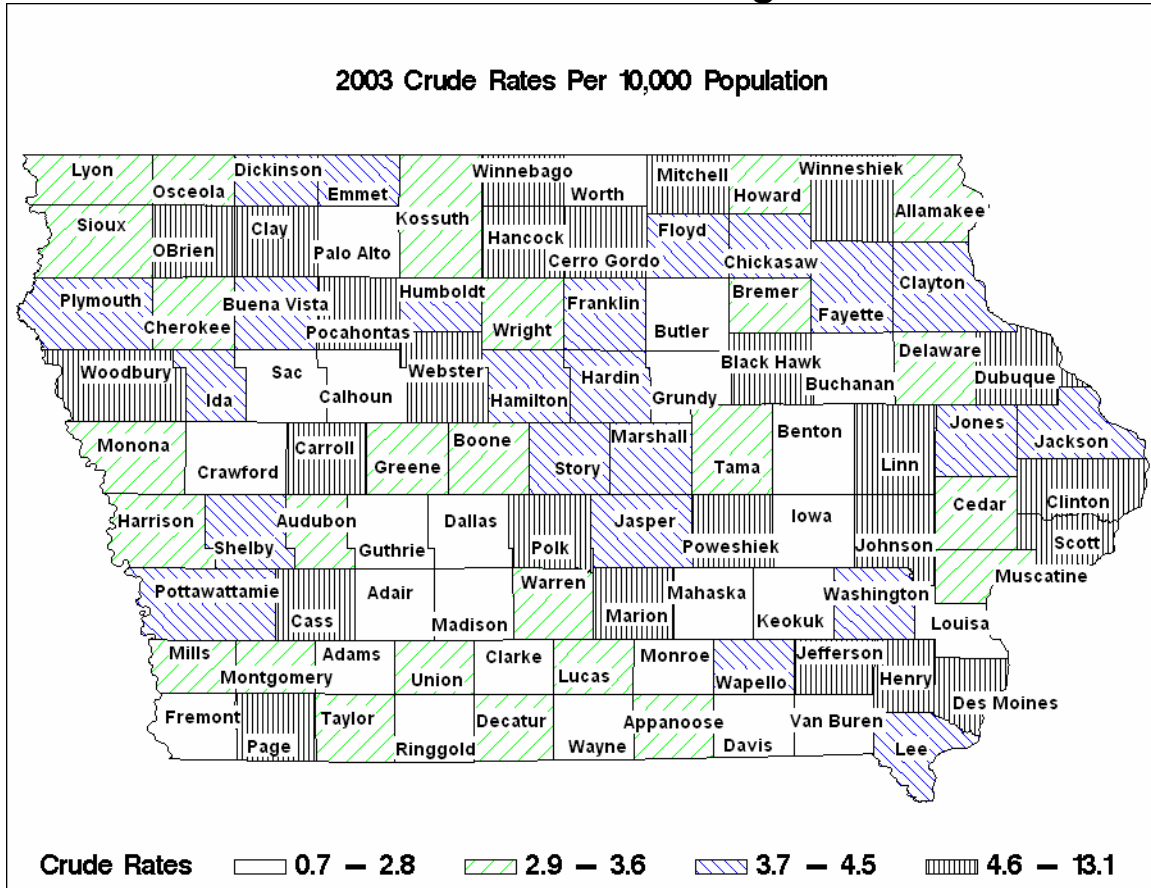
Dentists Practicing - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	2	2.5 (79)	Lucas	3	3.2 (64)
	Adams	1	2.3 (84)	Monroe	2	2.6 (77)
	Audubon	2	3.0 (69)	Osceola	2	2.9 (72)
	Clarke	2	2.2 (86)	Pocahontas	4	4.8 (20)
	Davis	1	1.2 (98)	Ringgold	1	1.9 (91)
	Decatur	3	3.5 (53)	Taylor	2	2.9 (73)
	Fremont	1	1.3 (95)	Van Buren	1	1.3 (97)
	Howard	3	3.1 (66)	Wayne	1	1.5 (94)
	Ida	3	3.9 (39)	Worth	1	1.3 (96)
				Total	35	2.5
Counties with Average Population 10,000 to 20,000	Allamakee	5	3.4 (56)	Humboldt	4	3.9 (37)
	Appanoose	4	3.0 (70)	Iowa	4	2.5 (78)
	Butler	1	0.7 (99)	Jefferson	8	5.0 (16)
	Calhoun	3	2.8 (75)	Keokuk	2	1.8 (93)
	Cass	7	4.9 (18)	Kossuth	6	3.6 (50)
	Cedar	6	3.3 (62)	Louisa	3	2.4 (80)
	Cherokee	4	3.1 (65)	Lyon	4	3.4 (57)
	Chickasaw	5	3.9 (41)	Madison	3	2.1 (87)
	Clay	12	7.0 (04)	Mills	5	3.4 (58)
	Clayton	7	3.8 (43)	Mitchell	5	4.7 (25)
	Crawford	4	2.4 (83)	Monona	3	3.1 (68)
	Delaware	6	3.3 (61)	Montgomery	4	3.5 (52)
	Dickinson	7	4.2 (30)	O'Brien	7	4.7 (24)
	Emmet	4	3.7 (48)	Page	13	7.9 (03)
	Floyd	7	4.2 (31)	Palo Alto	2	2.0 (89)
	Franklin	4	3.7 (47)	Poweshiek	9	4.8 (21)
	Greene	3	3.0 (71)	Sac	3	2.7 (76)
	Grundy	3	2.4 (81)	Shelby	5	3.9 (42)
	Guthrie	2	1.8 (92)	Tama	6	3.3 (59)
	Hamilton	7	4.3 (29)	Union	4	3.3 (60)
Hancock	6	5.1 (14)	Winnebago	10	8.6 (02)	
Hardin	7	3.8 (44)	Wright	4	2.9 (74)	
Harrison	5	3.2 (63)	Total	233	3.7	
Counties with Average Population > 20,000	Benton	5	1.9 (90)	Jones	8	3.9 (40)
	Boone	8	3.1 (67)	Lee	15	4.1 (33)
	Bremer	8	3.4 (55)	Mahaska	5	2.3 (85)
	Buchanan	5	2.4 (82)	Marion	17	5.2 (12)
	Buena Vista	8	3.9 (38)	Marshall	16	4.1 (35)
	Carroll	10	4.7 (23)	Muscatine	15	3.6 (51)
	Cerro Gordo	28	6.2 (06)	Plymouth	10	4.1 (34)
	Clinton	26	5.2 (11)	Sioux	11	3.5 (54)
	Des Moines	21	5.1 (15)	Story	36	4.5 (28)
	Fayette	9	4.1 (32)	Wapello	16	4.5 (27)
	Henry	10	5.0 (17)	Washington	8	3.8 (45)
	Jackson	8	4.0 (36)	Webster	22	5.5 (10)
	Jasper	14	3.7 (46)	Winneshiek	11	5.1 (13)
				Total	350	4.3
MSA Counties	Black Hawk	62	4.9 (19)	Polk	221	5.7 (09)
	Dallas	9	2.0 (88)	Pottawattamie	40	4.5 (26)
	Dubuque	52	5.8 (08)	Scott	100	6.3 (05)
	Johnson	150	13.1 (01)	Warren	15	3.6 (49)
	Linn	114	5.8 (07)	Woodbury	49	4.7 (22)
				Total	812	6.0
State Totals		1,430	4.9			

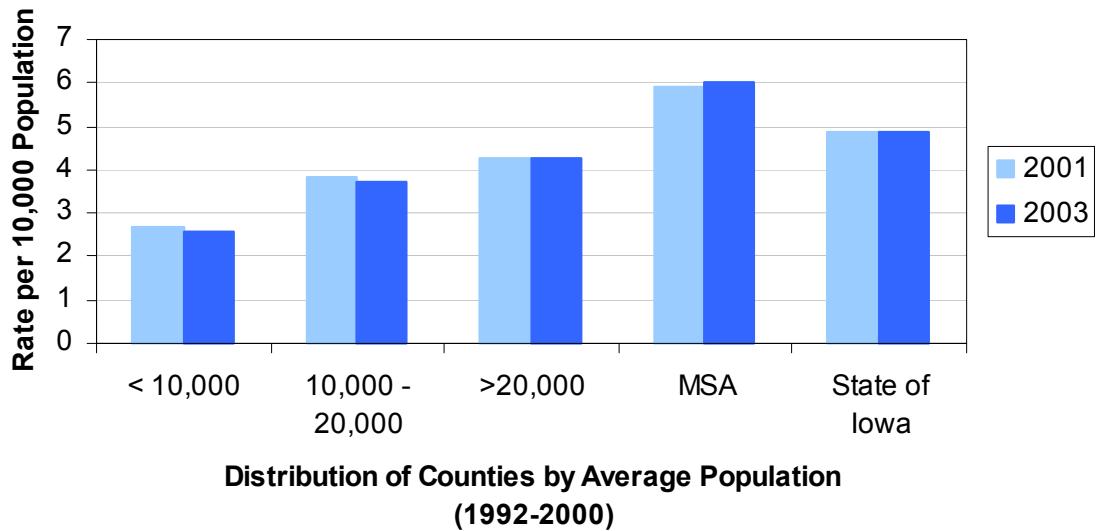
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Office of Statewide Clinical Education Programs, UI Carver College of Medicine

Dentists Practicing



Crude Rates, 2001 and 2003



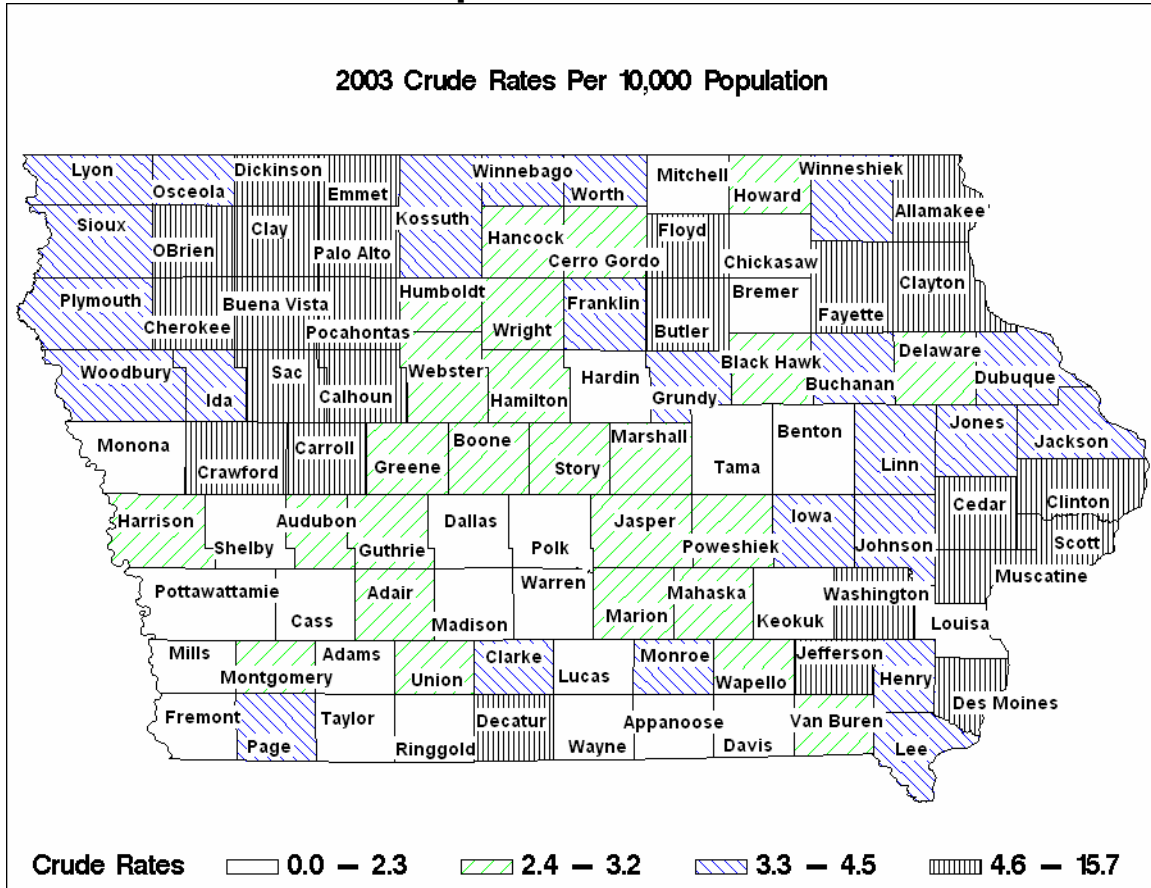
Chiropractors Licensed - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	2	2.5 (71)	Lucas	2	2.1 (83)
	Adams	1	2.3 (77)	Monroe	3	3.8 (39)
	Audubon	2	3.0 (56)	Osceola	3	4.4 (30)
	Clarke	4	4.4 (27)	Pocahontas	4	4.8 (21)
	Davis	2	2.3 (75)	Ringgold	1	1.9 (89)
	Decatur	4	4.6 (23)	Taylor	0	0.0 (99)
	Fremont	1	1.3 (98)	Van Buren	2	2.6 (69)
	Howard	3	3.1 (54)	Wayne	1	1.5 (96)
	Ida	3	3.9 (35)	Worth	3	3.9 (37)
				Total	41	3.0
Counties with Average Population 10,000 to 20,000	Allamakee	8	5.5 (15)	Humboldt	3	3.0 (58)
	Appanoose	3	2.2 (78)	Iowa	6	3.8 (40)
	Butler	9	6.0 (11)	Jefferson	12	7.5 (04)
	Calhoun	5	4.6 (24)	Keokuk	2	1.8 (91)
	Cass	3	2.1 (84)	Kossuth	6	3.6 (44)
	Cedar	11	6.0 (09)	Louisa	2	1.6 (94)
	Cherokee	7	5.5 (14)	Lyon	5	4.3 (31)
	Chickasaw	3	2.3 (76)	Madison	3	2.1 (85)
	Clay	10	5.9 (12)	Mills	2	1.4 (97)
	Clayton	11	6.0 (10)	Mitchell	2	1.9 (90)
	Crawford	8	4.7 (22)	Monona	2	2.0 (86)
	Delaware	5	2.7 (62)	Montgomery	3	2.6 (67)
	Dickinson	17	10.3 (02)	O'Brien	9	6.1 (08)
	Emmet	8	7.5 (05)	Page	6	3.6 (43)
	Floyd	11	6.6 (07)	Palo Alto	9	9.1 (03)
	Franklin	4	3.7 (42)	Poweshiek	6	3.2 (51)
	Greene	3	3.0 (57)	Sac	6	5.4 (16)
	Grundy	5	4.0 (33)	Shelby	2	1.5 (95)
	Guthrie	3	2.7 (66)	Tama	4	2.2 (79)
	Hamilton	4	2.5 (73)	Union	3	2.5 (72)
Hancock	3	2.5 (70)	Winnebago	4	3.5 (46)	
Hardin	4	2.2 (80)	Wright	4	2.9 (60)	
Harrison	5	3.2 (50)	Total	251	4.0	
Counties with Average Population > 20,000	Benton	5	1.9 (88)	Jones	9	4.4 (28)
	Boone	7	2.7 (65)	Lee	14	3.8 (41)
	Bremer	4	1.7 (92)	Mahaska	6	2.7 (63)
	Buchanan	8	3.8 (38)	Marion	10	3.1 (53)
	Buena Vista	10	4.9 (20)	Marshall	11	2.8 (61)
	Carroll	12	5.7 (13)	Muscatine	21	5.0 (19)
	Cerro Gordo	13	2.9 (59)	Plymouth	11	4.5 (26)
	Clinton	33	6.6 (06)	Sioux	14	4.4 (29)
	Des Moines	22	5.3 (17)	Story	19	2.4 (74)
	Fayette	10	4.6 (25)	Wapello	11	3.1 (52)
	Henry	7	3.5 (45)	Washington	11	5.2 (18)
	Jackson	8	4.0 (34)	Webster	12	3.0 (55)
	Jasper	10	2.7 (64)	Winneshiek	7	3.3 (49)
				Total	305	3.7
MSA Counties	Black Hawk	33	2.6 (68)	Polk	83	2.2 (82)
	Dallas	9	2.0 (87)	Pottawattamie	15	1.7 (93)
	Dubuque	30	3.4 (47)	Scott	251	15.7 (01)
	Johnson	38	3.3 (48)	Warren	9	2.2 (81)
	Linn	79	4.1 (32)	Woodbury	40	3.9 (36)
				Total	587	4.4
State Totals		1,184	4.0			

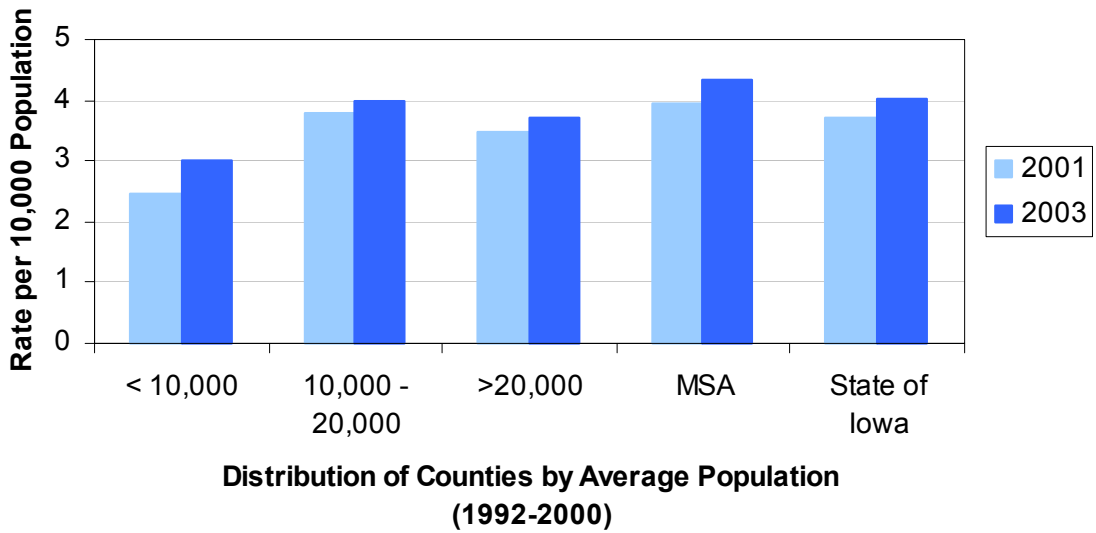
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Iowa Department of Public Health

Chiropractors Licensed



Crude Rates, 2001 and 2003



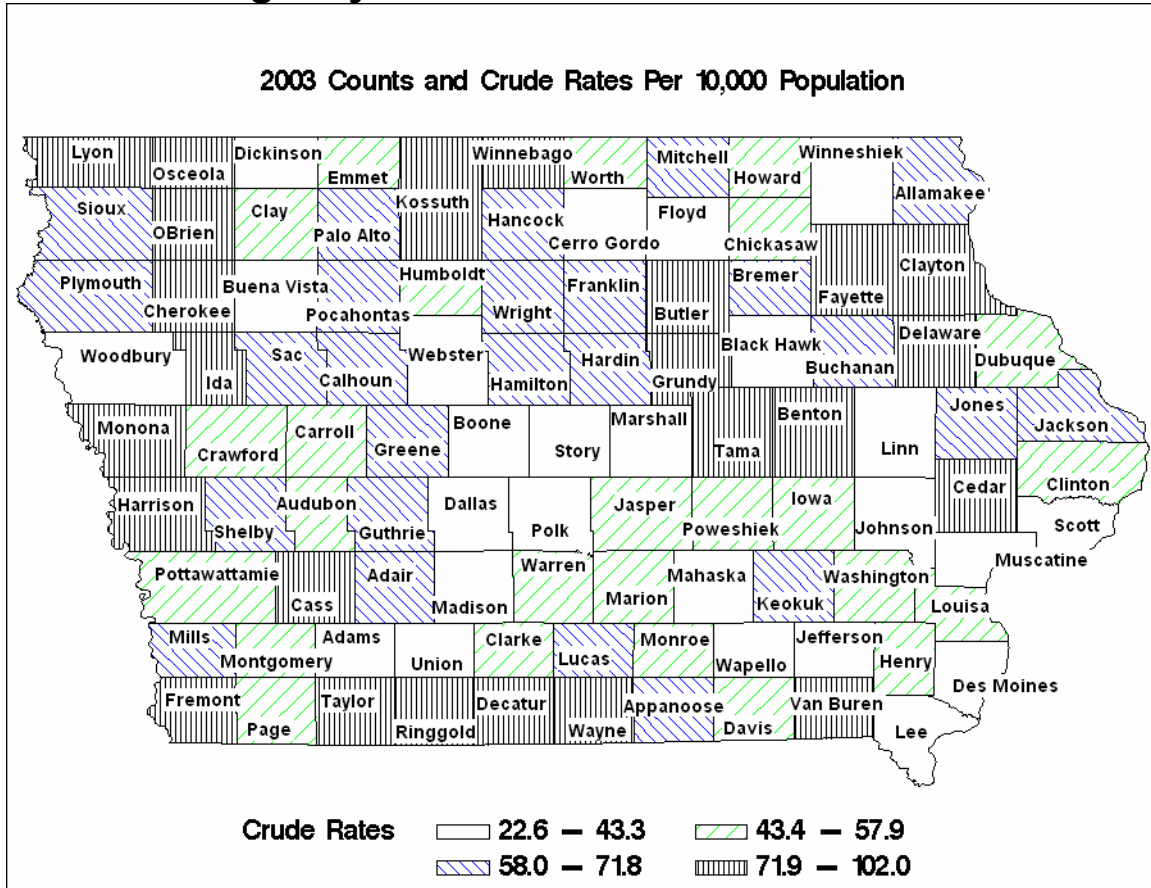
Emergency Care Providers - Total Licensed³ - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	55	68.9 (33)	Lucas	61	64.6 (41)
	Adams	19	43.3 (75)	Monroe	43	54.9 (57)
	Audubon	37	55.7 (56)	Osceola	50	73.3 (21)
	Clarke	43	47.5 (68)	Pocahontas	50	60.0 (45)
	Davis	45	52.4 (63)	Ringgold	51	96.3 (02)
	Decatur	66	76.5 (18)	Taylor	62	89.9 (05)
	Fremont	79	102.0 (01)	Van Buren	69	88.5 (07)
	Howard	44	44.9 (74)	Wayne	55	82.7 (12)
	Ida	68	88.8 (06)	Worth	45	57.9 (50)
				Total	942	68.6
Counties with Average Population 10,000 to 20,000	Allamakee	103	70.6 (28)	Humboldt	55	54.1 (59)
	Appanoose	86	64.2 (42)	Iowa	74	46.8 (70)
	Butler	120	79.7 (15)	Jefferson	36	22.6 (99)
	Calhoun	75	69.3 (31)	Keokuk	80	70.1 (29)
	Cass	104	73.1 (24)	Kossuth	151	90.6 (04)
	Cedar	156	85.0 (10)	Louisa	69	56.3 (54)
	Cherokee	103	80.7 (14)	Lyon	103	88.0 (09)
	Chickasaw	73	56.6 (53)	Madison	62	42.8 (77)
	Clay	84	49.2 (66)	Mills	88	59.8 (47)
	Clayton	149	81.1 (13)	Mitchell	70	65.5 (39)
	Crawford	93	54.8 (58)	Monona	72	73.3 (23)
	Delaware	137	74.8 (20)	Montgomery	59	51.6 (65)
	Dickinson	70	42.4 (78)	O'Brien	138	93.0 (03)
	Emmet	58	54.1 (60)	Page	79	47.8 (67)
	Floyd	68	41.0 (81)	Palo Alto	71	71.8 (25)
	Franklin	64	59.7 (48)	Poweshiek	85	45.0 (72)
	Greene	68	67.0 (37)	Sac	75	67.6 (35)
	Grundy	93	74.9 (19)	Shelby	93	71.7 (26)
	Guthrie	67	59.2 (49)	Tama	140	78.0 (17)
	Hamilton	110	67.8 (34)	Union	48	39.6 (83)
Hancock	82	69.3 (32)	Winnebago	102	88.1 (08)	
Hardin	124	67.4 (36)	Wright	91	65.1 (40)	
Harrison	130	83.4 (11)	Total	4,058	64.6	
Counties with Average Population > 20,000	Benton	206	78.9 (16)	Jones	126	61.7 (44)
	Boone	68	26.0 (97)	Lee	142	38.5 (85)
	Bremer	145	62.3 (43)	Mahaska	75	33.8 (93)
	Buchanan	125	59.8 (46)	Marion	169	51.7 (64)
	Buena Vista	85	41.7 (80)	Marshall	149	37.7 (88)
	Carroll	114	54.0 (61)	Muscatine	178	42.3 (79)
	Cerro Gordo	164	36.2 (92)	Plymouth	163	66.2 (38)
	Clinton	230	46.3 (71)	Sioux	221	69.4 (30)
	Des Moines	159	38.4 (87)	Story	294	36.5 (90)
	Fayette	159	73.3 (22)	Wapello	86	24.0 (98)
	Henry	116	57.6 (51)	Washington	120	56.9 (52)
	Jackson	143	70.8 (27)	Webster	155	38.9 (84)
	Jasper	177	47.4 (69)	Winneshiek	78	36.4 (91)
			Total	3,847	46.8	
MSA Counties	Black Hawk	374	29.4 (96)	Polk	1,159	30.0 (95)
	Dallas	170	38.4 (86)	Pottawattamie	396	44.9 (73)
	Dubuque	469	52.5 (62)	Scott	522	32.7 (94)
	Johnson	422	36.9 (89)	Warren	233	56.1 (55)
	Linn	797	40.9 (82)	Woodbury	443	42.9 (76)
			Total	4,985	37.0	
State Totals		13,832	47.1			

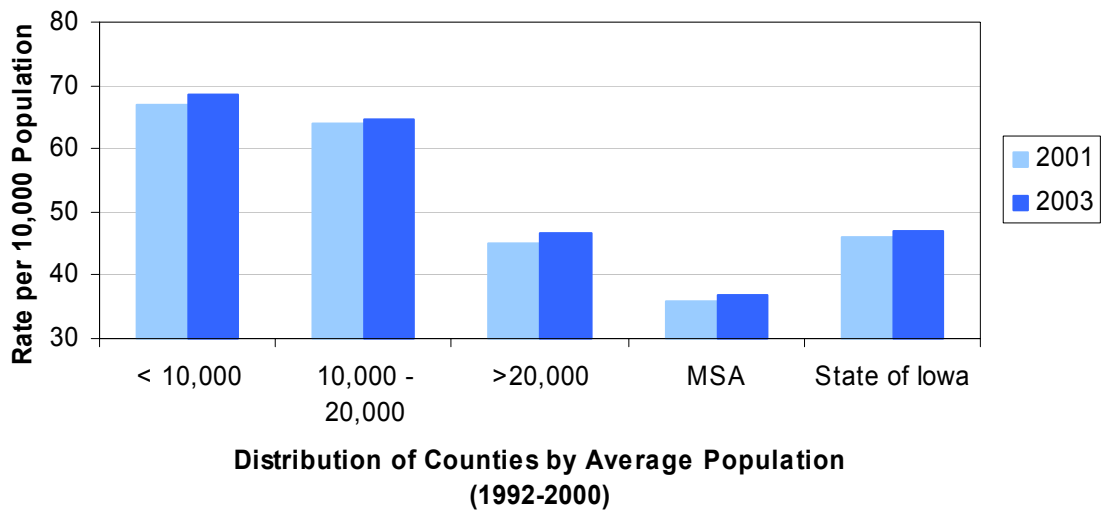
¹Rates per 10,000 population²Rank among 99 Iowa counties³Includes First Responders, all types of EMT, and Iowa Law Enforcement Emergency Care Providers

Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

Emergency Care Providers - Total Licensed



Crude Rates, 2001 and 2003



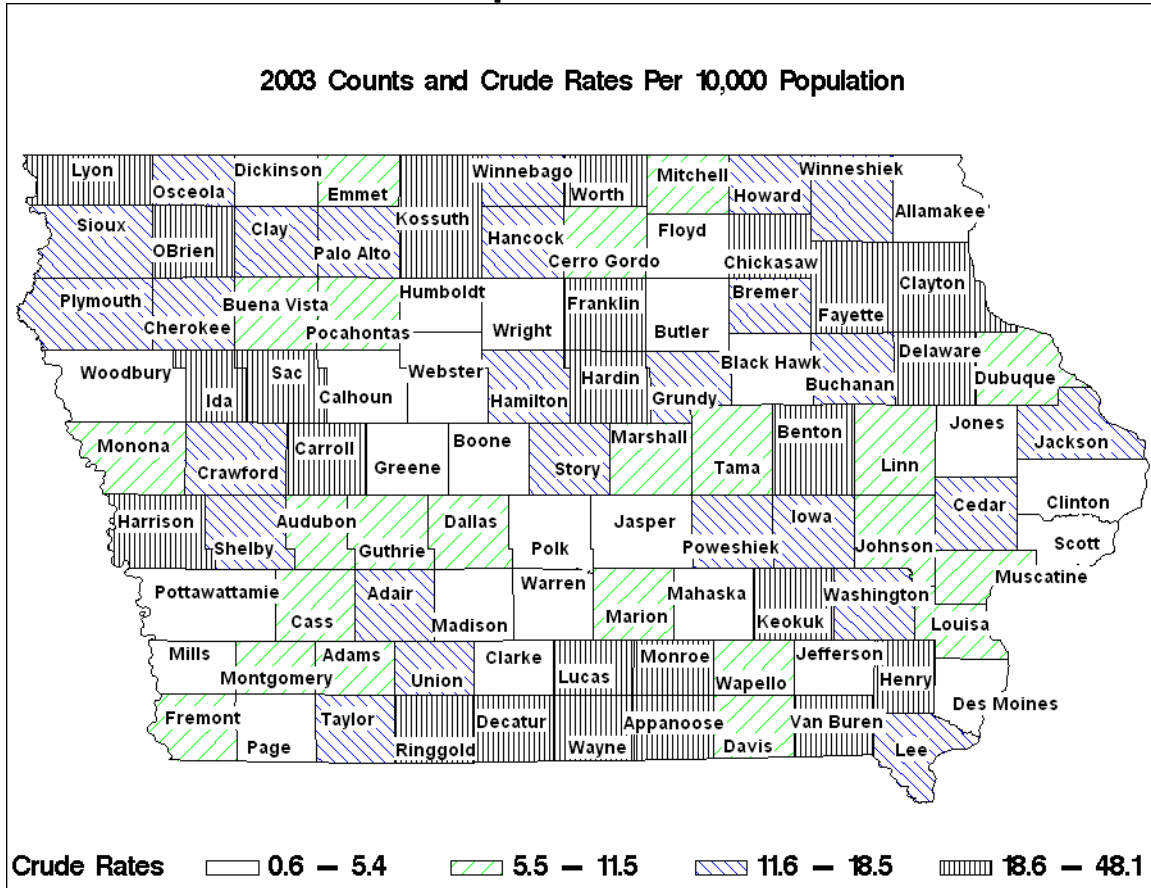
First Responders Licensed - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	13	16.3 (34)	Lucas	18	19.1 (24)
	Adams	4	9.1 (59)	Monroe	15	19.1 (23)
	Audubon	6	9.0 (60)	Osceola	12	17.6 (28)
	Clarke	3	3.3 (91)	Pocahontas	9	10.8 (52)
	Davis	7	8.1 (65)	Ringgold	15	28.3 (06)
	Decatur	18	20.9 (21)	Taylor	8	11.6 (49)
	Fremont	6	7.7 (67)	Van Buren	17	21.8 (17)
	Howard	13	13.3 (42)	Wayne	32	48.1 (01)
	Ida	23	30.0 (05)	Worth	20	25.8 (10)
				Total	239	17.4
Counties with Average Population 10,000 to 20,000	Allamakee	6	4.1 (85)	Humboldt	4	3.9 (87)
	Appanoose	29	21.6 (19)	Iowa	26	16.4 (33)
	Butler	8	5.3 (77)	Jefferson	7	4.4 (84)
	Calhoun	2	1.8 (96)	Keokuk	40	35.0 (03)
	Cass	15	10.5 (53)	Kossuth	53	31.8 (04)
	Cedar	24	13.1 (44)	Louisa	7	5.7 (72)
	Cherokee	22	17.2 (29)	Lyon	44	37.6 (02)
	Chickasaw	27	20.9 (20)	Madison	4	2.8 (93)
	Clay	29	17.0 (31)	Mills	2	1.4 (97)
	Clayton	41	22.3 (15)	Mitchell	10	9.4 (57)
	Crawford	31	18.3 (26)	Monona	10	10.2 (55)
	Delaware	51	27.8 (08)	Montgomery	8	7.0 (69)
	Dickinson	8	4.8 (81)	O'Brien	38	25.6 (11)
	Emmet	9	8.4 (63)	Page	1	0.6 (99)
	Floyd	9	5.4 (74)	Palo Alto	17	17.2 (30)
	Franklin	24	22.4 (14)	Poweshiek	25	13.2 (43)
	Greene	5	4.9 (80)	Sac	31	27.9 (07)
	Grundy	15	12.1 (48)	Shelby	23	17.7 (27)
	Guthrie	10	8.8 (61)	Tama	18	10.0 (56)
	Hamilton	25	15.4 (37)	Union	14	11.6 (50)
Hancock	15	12.7 (45)	Winnebago	18	15.5 (36)	
Hardin	46	25.0 (12)	Wright	1	0.7 (98)	
Harrison	36	23.1 (13)	Total	888	14.1	
Counties with Average Population > 20,000	Benton	58	22.2 (16)	Jones	8	3.9 (88)
	Boone	13	5.0 (79)	Lee	53	14.4 (40)
	Bremer	34	14.6 (39)	Mahaska	12	5.4 (76)
	Buchanan	35	16.8 (32)	Marion	24	7.3 (68)
	Buena Vista	13	6.4 (71)	Marshall	33	8.4 (64)
	Carroll	43	20.4 (22)	Muscatine	28	6.7 (70)
	Cerro Gordo	52	11.5 (51)	Plymouth	36	14.6 (38)
	Clinton	23	4.6 (83)	Sioux	50	15.7 (35)
	Des Moines	12	2.9 (92)	Story	101	12.5 (47)
	Fayette	47	21.7 (18)	Wapello	28	7.8 (66)
	Henry	52	25.8 (09)	Washington	39	18.5 (25)
	Jackson	29	14.4 (41)	Webster	19	4.8 (82)
	Jasper	15	4.0 (86)	Winneshiek	27	12.6 (46)
				Total	884	10.7
MSA Counties	Black Hawk	69	5.4 (75)	Polk	75	1.9 (95)
	Dallas	41	9.3 (58)	Pottawattamie	30	3.4 (90)
	Dubuque	91	10.2 (54)	Scott	62	3.9 (89)
	Johnson	98	8.6 (62)	Warren	11	2.6 (94)
	Linn	108	5.5 (73)	Woodbury	52	5.0 (78)
				Total	637	4.7
State Totals		2,648	9.0			

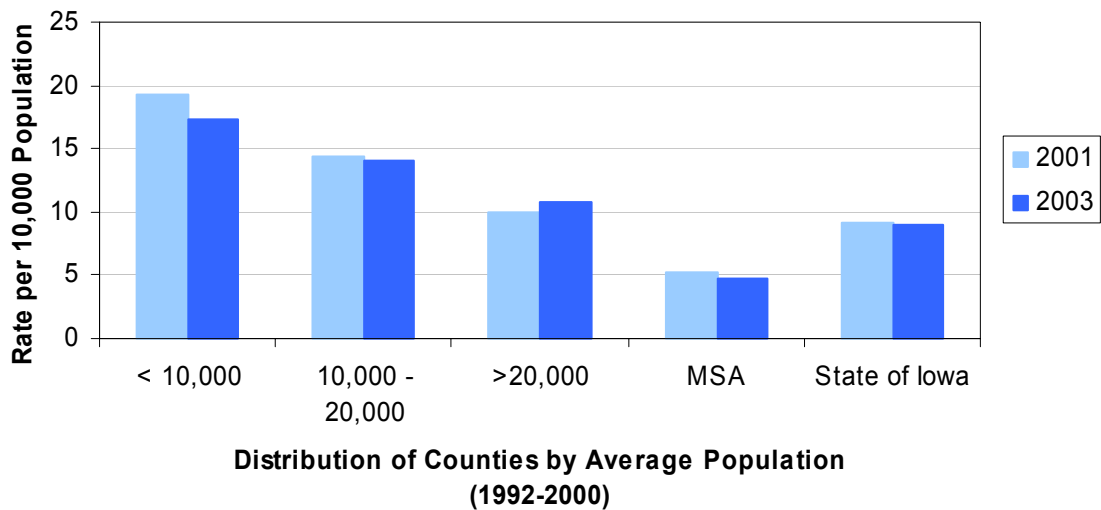
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

First Responders Licensed



Crude Rates, 2001 and 2003



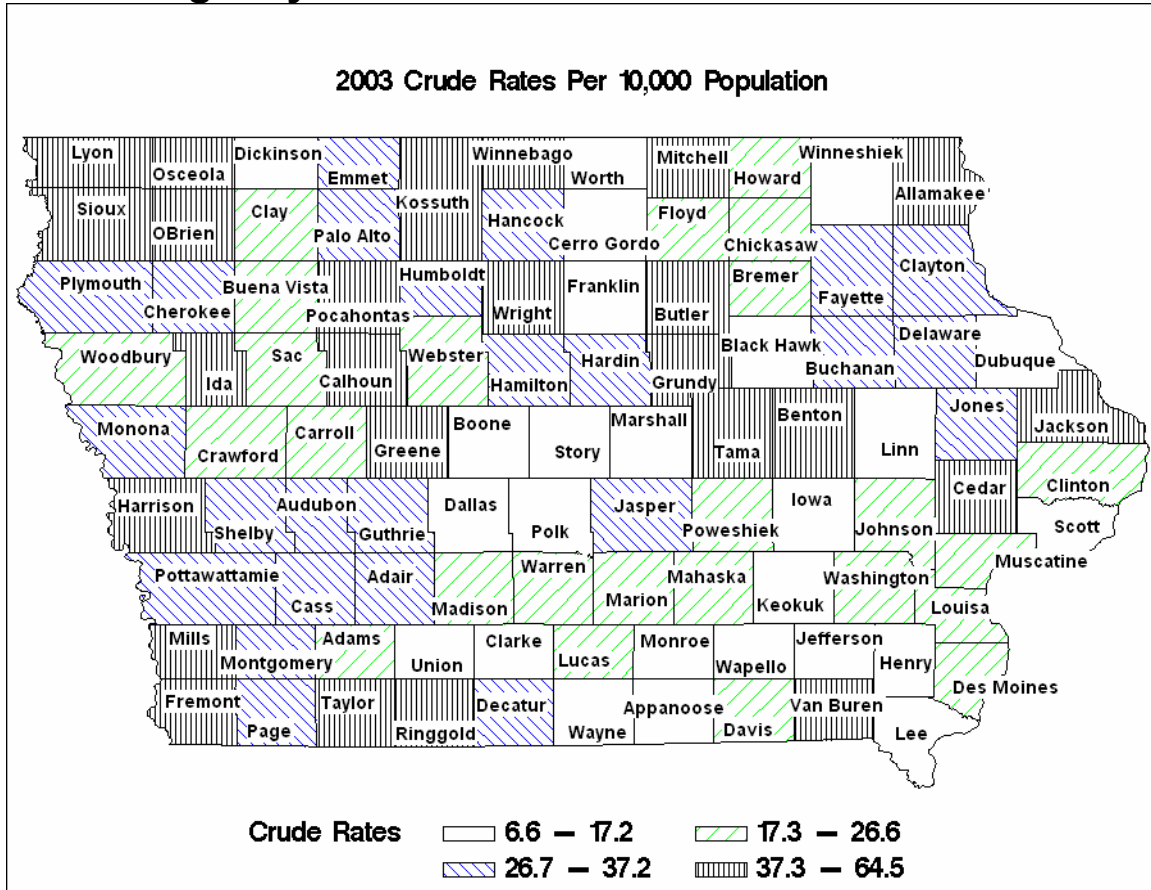
Emergency Medical Technicians - Basic Licensed - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
Counties with Average Population < 10,000	Adair	28	35.1 (32)	Lucas	20	21.2 (60)
	Adams	10	22.8 (55)	Monroe	7	8.9 (96)
	Audubon	19	28.6 (46)	Osceola	31	45.4 (14)
	Clarke	6	6.6 (99)	Pocahontas	32	38.4 (23)
	Davis	21	24.4 (51)	Ringgold	21	39.6 (20)
	Decatur	27	31.3 (38)	Taylor	34	49.3 (07)
	Fremont	50	64.5 (01)	Van Buren	43	55.1 (03)
	Howard	17	17.3 (74)	Wayne	6	9.0 (95)
	Ida	29	37.9 (25)	Worth	10	12.9 (87)
				Total	411	29.9
Counties with Average Population 10,000 to 20,000	Allamakee	74	50.7 (05)	Humboldt	37	36.4 (27)
	Appanoose	23	17.2 (75)	Iowa	26	16.4 (77)
	Butler	83	55.1 (04)	Jefferson	15	9.4 (94)
	Calhoun	53	49.0 (08)	Keokuk	14	12.3 (89)
	Cass	53	37.2 (26)	Kossuth	74	44.4 (15)
	Cedar	89	48.5 (10)	Louisa	25	20.4 (63)
	Cherokee	46	36.0 (29)	Lyon	54	46.2 (12)
	Chickasaw	26	20.2 (65)	Madison	33	22.8 (56)
	Clay	34	19.9 (67)	Mills	62	42.1 (19)
	Clayton	66	35.9 (30)	Mitchell	42	39.3 (22)
	Crawford	36	21.2 (59)	Monona	32	32.6 (36)
	Delaware	55	30.0 (43)	Montgomery	34	29.7 (44)
	Dickinson	27	16.3 (79)	O'Brien	84	56.6 (02)
	Emmet	29	27.0 (48)	Page	51	30.8 (40)
	Floyd	30	18.1 (73)	Palo Alto	34	34.4 (33)
	Franklin	15	14.0 (83)	Poweshiek	37	19.6 (68)
	Greene	44	43.4 (16)	Sac	25	22.5 (57)
	Grundy	53	42.7 (18)	Shelby	46	35.5 (31)
	Guthrie	37	32.7 (35)	Tama	89	49.6 (06)
	Hamilton	50	30.8 (41)	Union	14	11.6 (91)
Hancock	43	36.3 (28)	Winnebago	54	46.6 (11)	
Hardin	57	31.0 (39)	Wright	68	48.6 (09)	
Harrison	67	43.0 (17)	Total	2,040	32.5	
Counties with Average Population > 20,000	Benton	99	37.9 (24)	Jones	64	31.3 (37)
	Boone	26	9.9 (93)	Lee	39	10.6 (92)
	Bremer	56	24.1 (52)	Mahaska	46	20.7 (62)
	Buchanan	61	29.2 (45)	Marion	87	26.6 (50)
	Buena Vista	44	21.6 (58)	Marshall	67	17.0 (76)
	Carroll	40	18.9 (70)	Muscatine	85	20.2 (64)
	Cerro Gordo	63	13.9 (84)	Plymouth	81	32.9 (34)
	Clinton	116	23.4 (54)	Sioux	146	45.9 (13)
	Des Moines	76	18.3 (72)	Story	105	13.0 (85)
	Fayette	66	30.4 (42)	Wapello	24	6.7 (98)
	Henry	29	14.4 (82)	Washington	40	19.0 (69)
	Jackson	80	39.6 (21)	Webster	83	20.8 (61)
	Jasper	101	27.0 (49)	Winneshiek	35	16.3 (78)
				Total	1,759	21.4
MSA Counties	Black Hawk	109	8.6 (97)	Polk	472	12.2 (90)
	Dallas	66	14.9 (80)	Pottawattamie	247	28.0 (47)
	Dubuque	130	14.5 (81)	Scott	198	12.4 (88)
	Johnson	212	18.5 (71)	Warren	98	23.6 (53)
	Linn	252	12.9 (86)	Woodbury	207	20.0 (66)
				Total	1,991	14.8
State Totals		6,201	21.1			

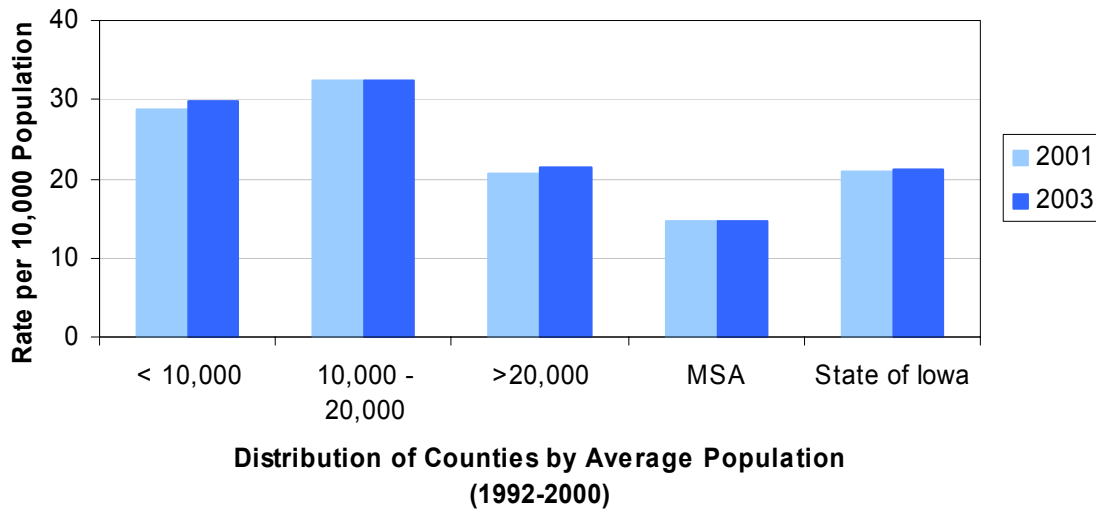
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

Emergency Medical Technicians - Basic Licensed



Crude Rates, 2001 and 2003



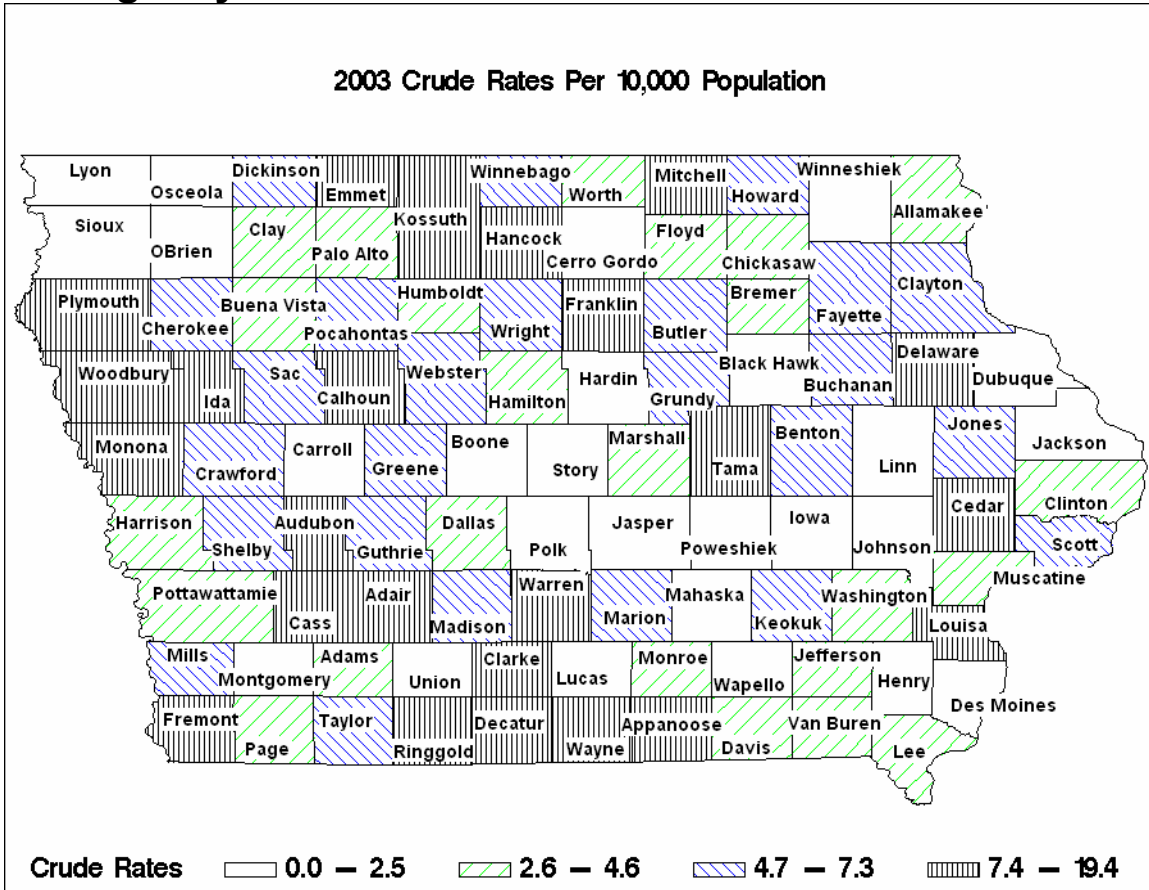
Emergency Medical Technicians - Intermediate Licensed - 2003

	County	#	Crude ¹ (Rank ²)	County	#	Crude ¹ (Rank ²)
	Counties with Average Population < 10,000	Adair	8	10.0 (11)	Lucas	1
	Adams	2	4.6 (51)	Monroe	2	2.6 (73)
	Audubon	5	7.5 (22)	Osceola	0	0.0 (98)
	Clarke	8	8.8 (16)	Pocahontas	4	4.8 (47)
	Davis	3	3.5 (64)	Ringgold	6	11.3 (08)
	Decatur	11	12.8 (05)	Taylor	5	7.2 (27)
	Fremont	15	19.4 (01)	Van Buren	3	3.8 (58)
	Howard	5	5.1 (46)	Wayne	7	10.5 (09)
	Ida	12	15.7 (03)	Worth	3	3.9 (57)
				Total	100	7.3
Counties with Average Population 10,000 to 20,000	Allamakee	6	4.1 (54)	Humboldt	4	3.9 (56)
	Appanoose	13	9.7 (13)	Iowa	4	2.5 (74)
	Butler	11	7.3 (25)	Jefferson	6	3.8 (59)
	Calhoun	8	7.4 (24)	Keokuk	7	6.1 (37)
	Cass	21	14.8 (04)	Kossuth	15	9.0 (15)
	Cedar	15	8.2 (21)	Louisa	14	11.4 (07)
	Cherokee	9	7.1 (29)	Lyon	0	0.0 (98)
	Chickasaw	4	3.1 (67)	Madison	8	5.5 (43)
	Clay	5	2.9 (69)	Mills	7	4.8 (48)
	Clayton	11	6.0 (38)	Mitchell	8	7.5 (23)
	Crawford	8	4.7 (49)	Monona	16	16.3 (02)
	Delaware	23	12.6 (06)	Montgomery	1	0.9 (95)
	Dickinson	12	7.3 (26)	O'Brien	2	1.3 (90)
	Emmet	11	10.3 (10)	Page	6	3.6 (61)
	Floyd	7	4.2 (53)	Palo Alto	4	4.0 (55)
	Franklin	10	9.3 (14)	Poweshiek	3	1.6 (89)
	Greene	7	6.9 (32)	Sac	7	6.3 (35)
	Grundy	8	6.4 (34)	Shelby	9	6.9 (30)
	Guthrie	7	6.2 (36)	Tama	15	8.4 (19)
	Hamilton	6	3.7 (60)	Union	2	1.7 (87)
	Hancock	10	8.5 (18)	Winnebago	8	6.9 (31)
	Hardin	3	1.6 (88)	Wright	8	5.7 (41)
	Harrison	7	4.5 (52)	Total	376	6.0
Counties with Average Population > 20,000	Benton	17	6.5 (33)	Jones	12	5.9 (40)
	Boone	2	0.8 (97)	Lee	13	3.5 (63)
	Bremer	8	3.4 (65)	Mahaska	5	2.3 (83)
	Buchanan	15	7.2 (28)	Marion	18	5.5 (44)
	Buena Vista	6	2.9 (68)	Marshall	14	3.5 (62)
	Carroll	5	2.4 (78)	Muscatine	12	2.9 (70)
	Cerro Gordo	10	2.2 (85)	Plymouth	24	9.7 (12)
	Clinton	23	4.6 (50)	Sioux	8	2.5 (75)
	Des Moines	10	2.4 (77)	Story	8	1.0 (94)
	Fayette	12	5.5 (42)	Wapello	4	1.1 (91)
	Henry	2	1.0 (93)	Washington	6	2.8 (71)
	Jackson	5	2.5 (76)	Webster	21	5.3 (45)
	Jasper	7	1.9 (86)	Winneshiek	5	2.3 (80)
				Total	272	3.3
MSA Counties	Black Hawk	29	2.3 (82)	Polk	91	2.4 (79)
	Dallas	14	3.2 (66)	Pottawattamie	24	2.7 (72)
	Dubuque	20	2.2 (84)	Scott	95	6.0 (39)
	Johnson	9	0.8 (96)	Warren	34	8.2 (20)
	Linn	45	2.3 (81)	Woodbury	91	8.8 (17)
				Total	452	3.4
State Totals		1,200	4.1			

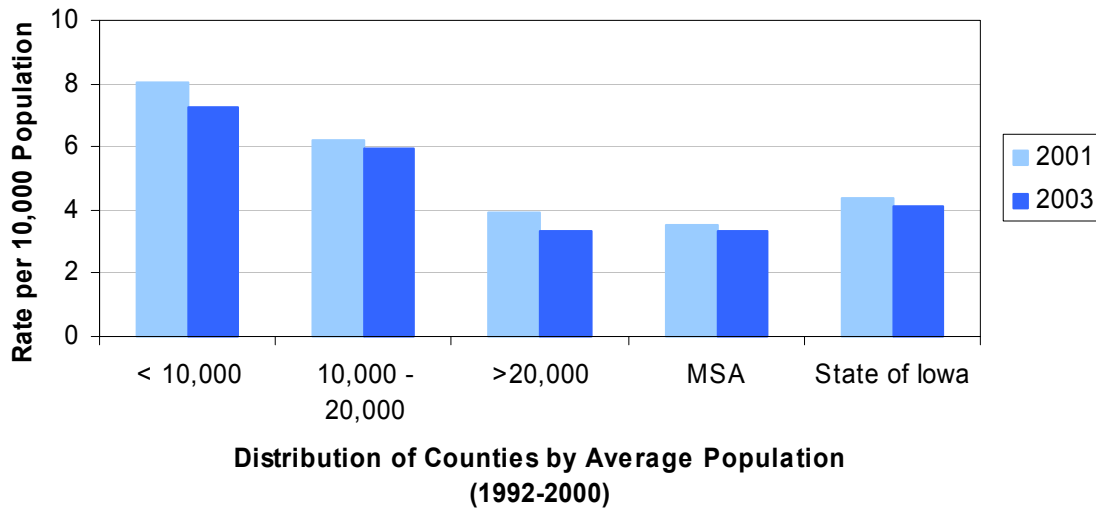
¹Rates per 10,000 population²Rank among 99 Iowa counties

Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

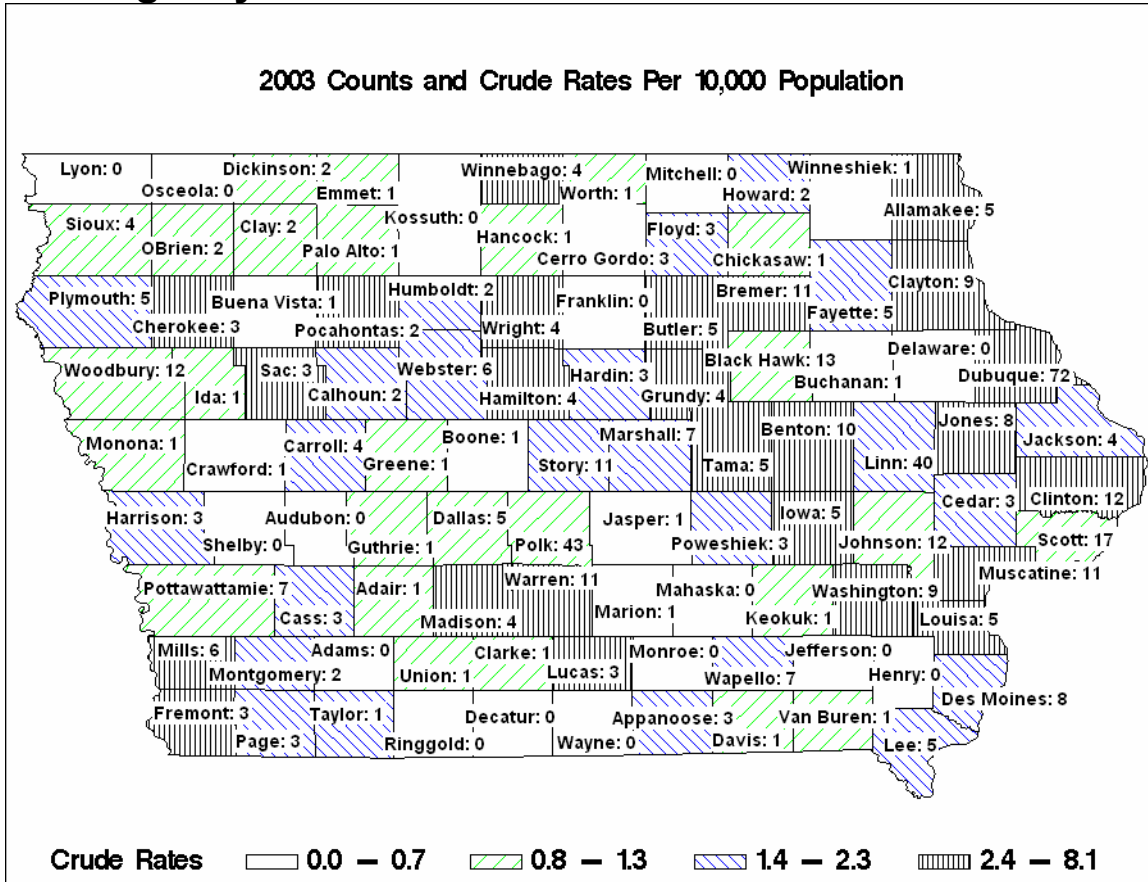
Emergency Medical Technicians - Intermediate Licensed



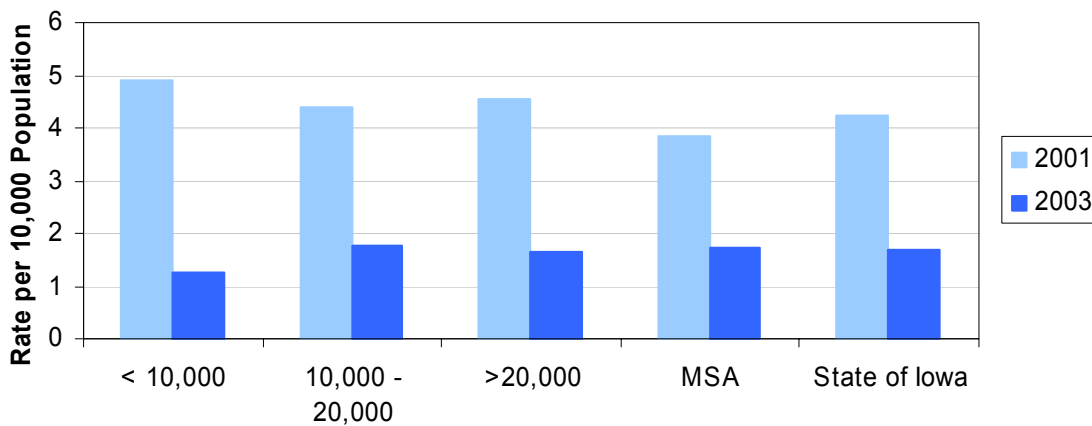
Crude Rates, 2001 and 2003



Emergency Medical Technicians - Paramedic Licensed



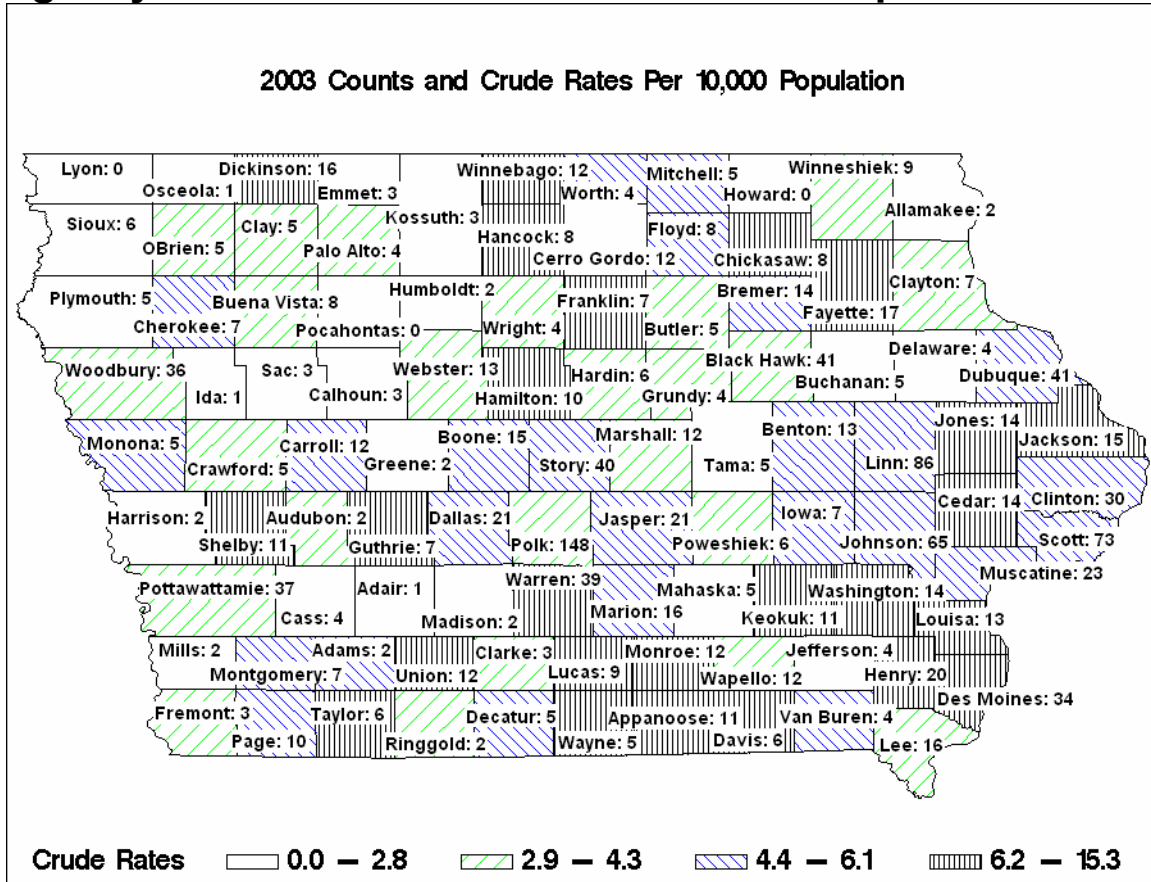
Crude Rates, 2001 and 2003



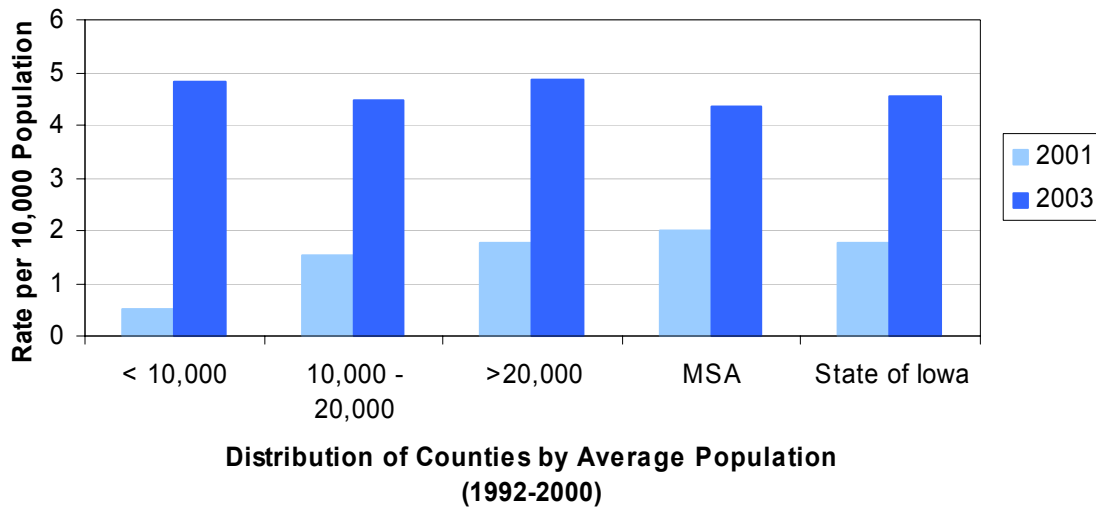
Distribution of Counties by Average Population (1992-2000)

Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

Emergency Medical Technicians - Paramedic Specialist Licensed

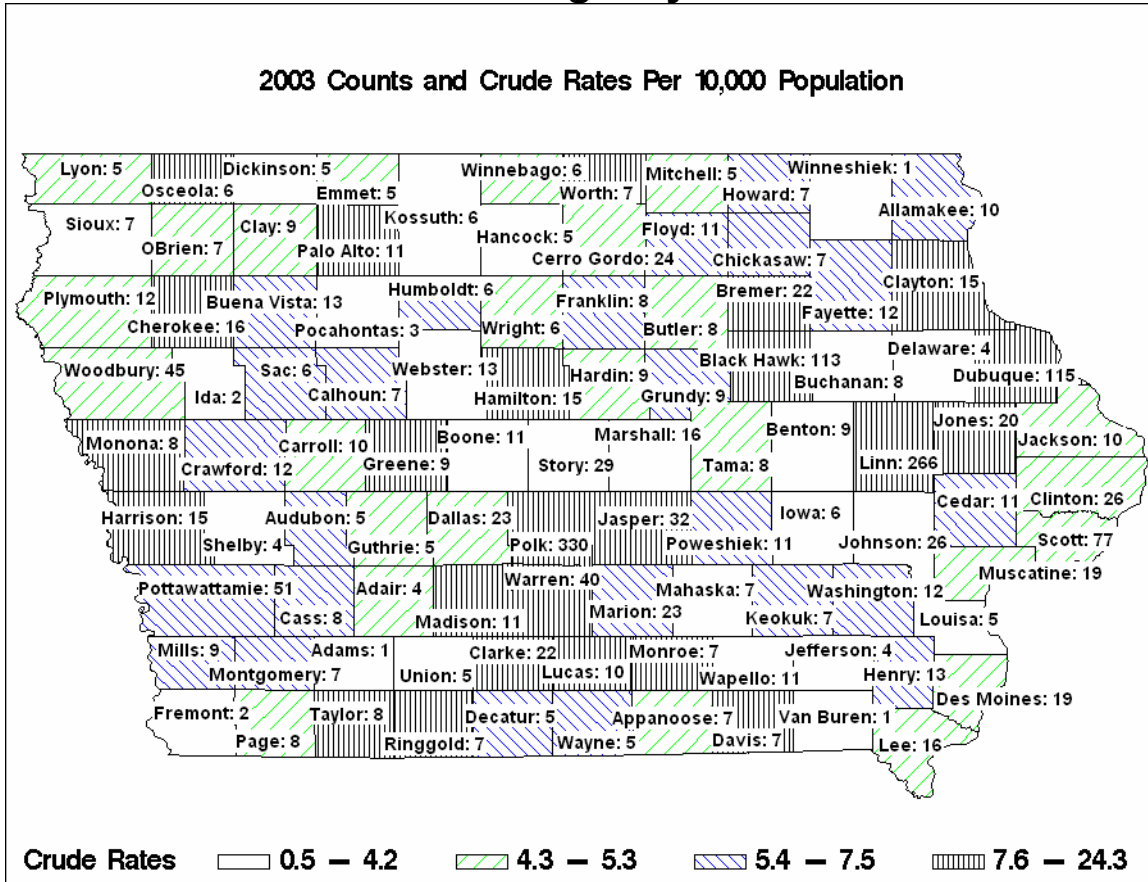


Crude Rates, 2001 and 2003

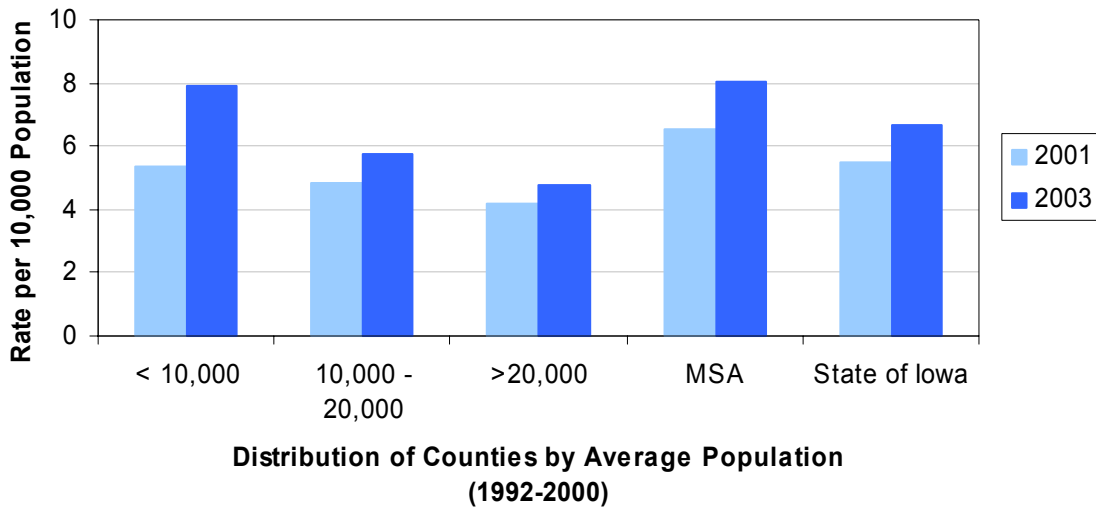


Source: Bureau of Emergency Medical Services, Iowa Department of Public Health

Iowa Law Enforcement Emergency Care Provider Licensed



Crude Rates, 2001 and 2003



Source: Bureau of Emergency Medical Services, Iowa Department of Public Health