

IOWA DENTIST TRACKING SYSTEM

Advisory Committee Meeting

2021

IOWA PRIVATE PRACTICE DENTISTS

Annual Workforce Report

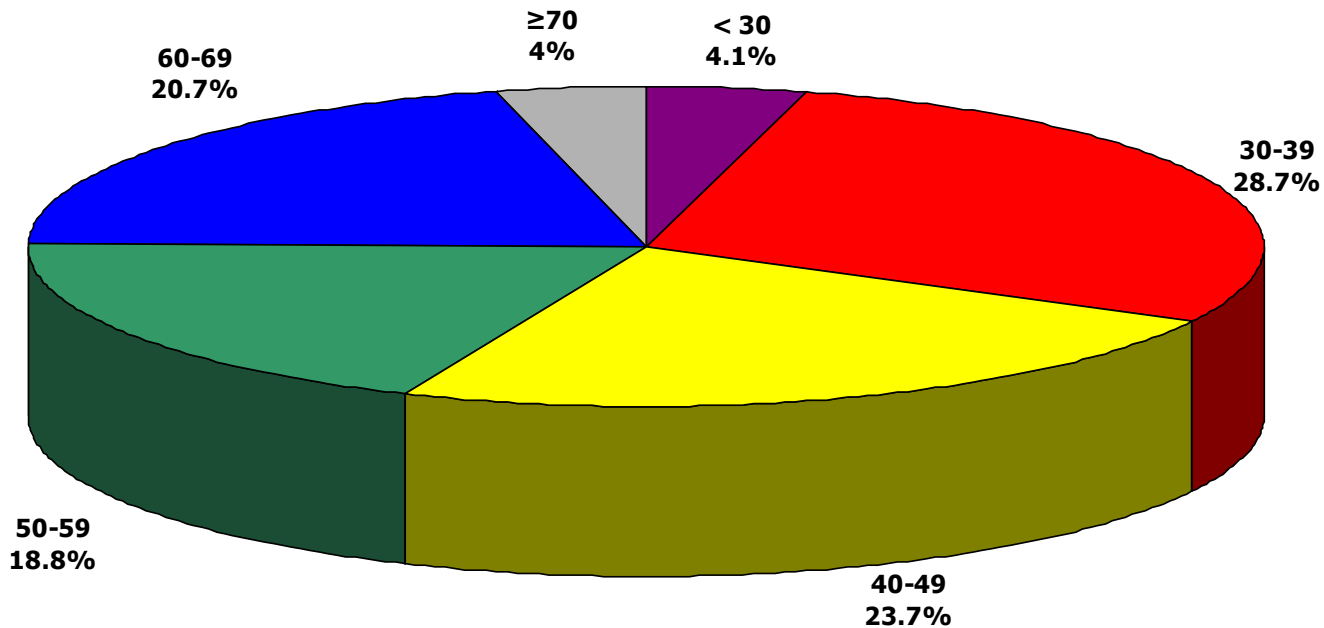
<u>Date</u>	<u>Dentists</u>
• December 2020	1344
• January 2020	<u>-1383</u>
Net Loss	-39

IOWA PRIVATE PRACTICE DENTISTS

Age Distribution

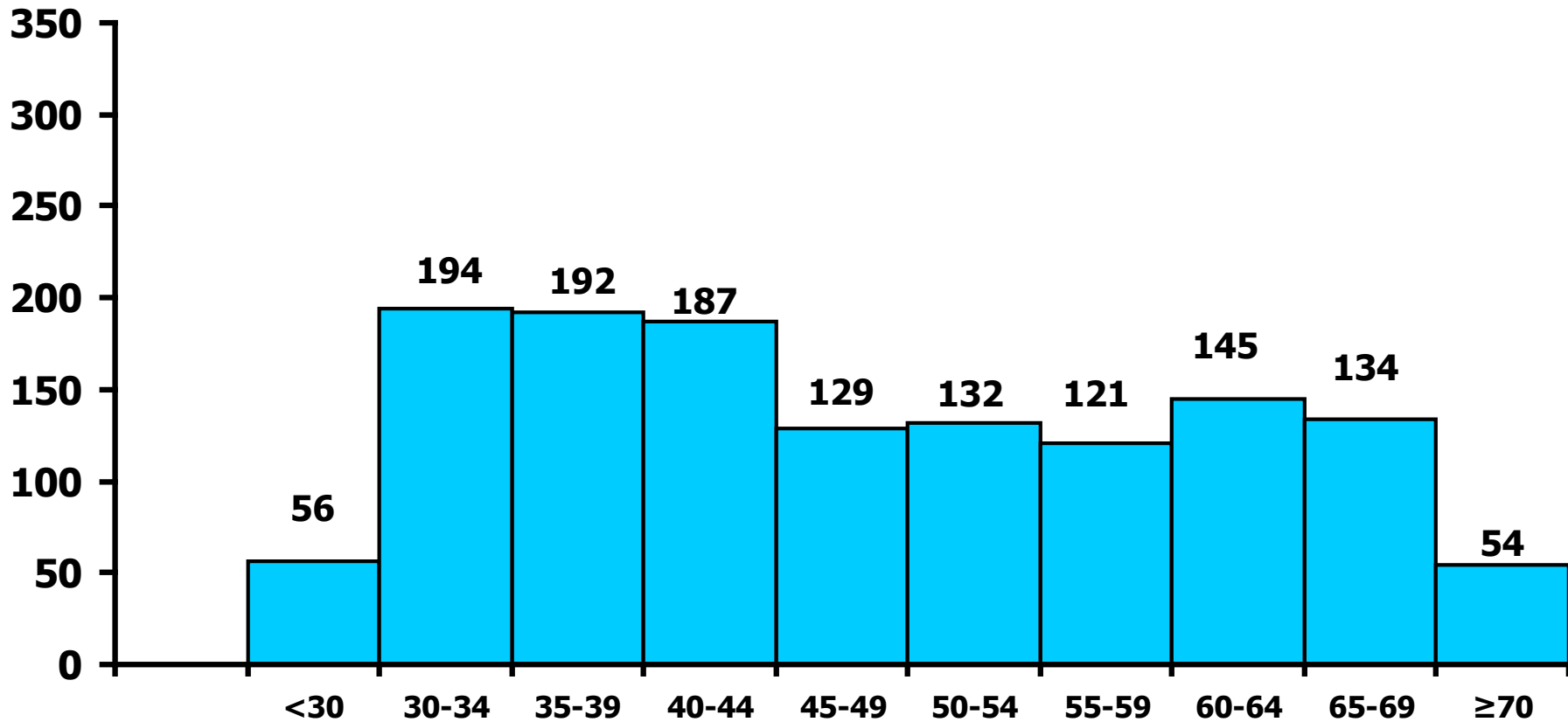
2020

<u>Age Category</u>	<u>No.</u>	<u>%</u>	<u>Cumulative %</u>
< 30	56	4.1%	4.1%
30-39	386	28.7	32.8
40-49	316	23.7	56.5
50-59	253	18.8	75.3
60-69	279	20.7	96.0
≥ 70	<u>54</u>	<u>4.0</u>	100.0%
	1344	100.0%	



IOWA PRIVATE PRACTICE DENTISTS

Age Distribution 2020



Average age of dentists = 48

Median age of dentists = 46

IOWA PRIVATE PRACTICE DENTISTS

Gender Age Distribution 2020

<u>Age Category</u>	<u>Male</u>	<u>%</u>	<u>Female</u>	<u>%</u>
< 30	29	2.2%	27	2.0%
30-39	208	15.5	178	13.2
40-49	206	15.3	110	8.2
50-59	184	13.7	69	5.1
60-69	238	17.7	41	3.1
≥ 70	53	3.9	1	0.1
Totals	918	68.3%	426	31.7%

IOWA PRIVATE PRACTICE DENTISTS

Full-Time vs. Part-Time*

2020

	<u>Number</u>	<u>%</u>
Full-Time	1164	86.6%
Part-Time	<u>180</u>	<u>13.4%</u>
Total	1344	100%

* FT \geq 32

* PT < 32

IOWA PRIVATE PRACTICE DENTISTS

Part-Time by Age 2020

<u>Age Category</u>	<u>Part-Time*</u>	<u>%**</u>
<30	5	0.4%
30-34	21	1.6
35-39	27	2.0
40-44	22	1.6
45-49	22	1.6
50-54	14	1.0
55-59	11	0.9
60-64	20	1.5
65-69	24	1.8
➤ 70	<u>14</u>	<u>1.0</u>
	180	13.4%

***PT < 32 Hours**

**** % of Iowa's 1,344 Private Practice Dentists**

IOWA PRIVATE PRACTICE DENTISTS

Females Part-Time by Age

2020

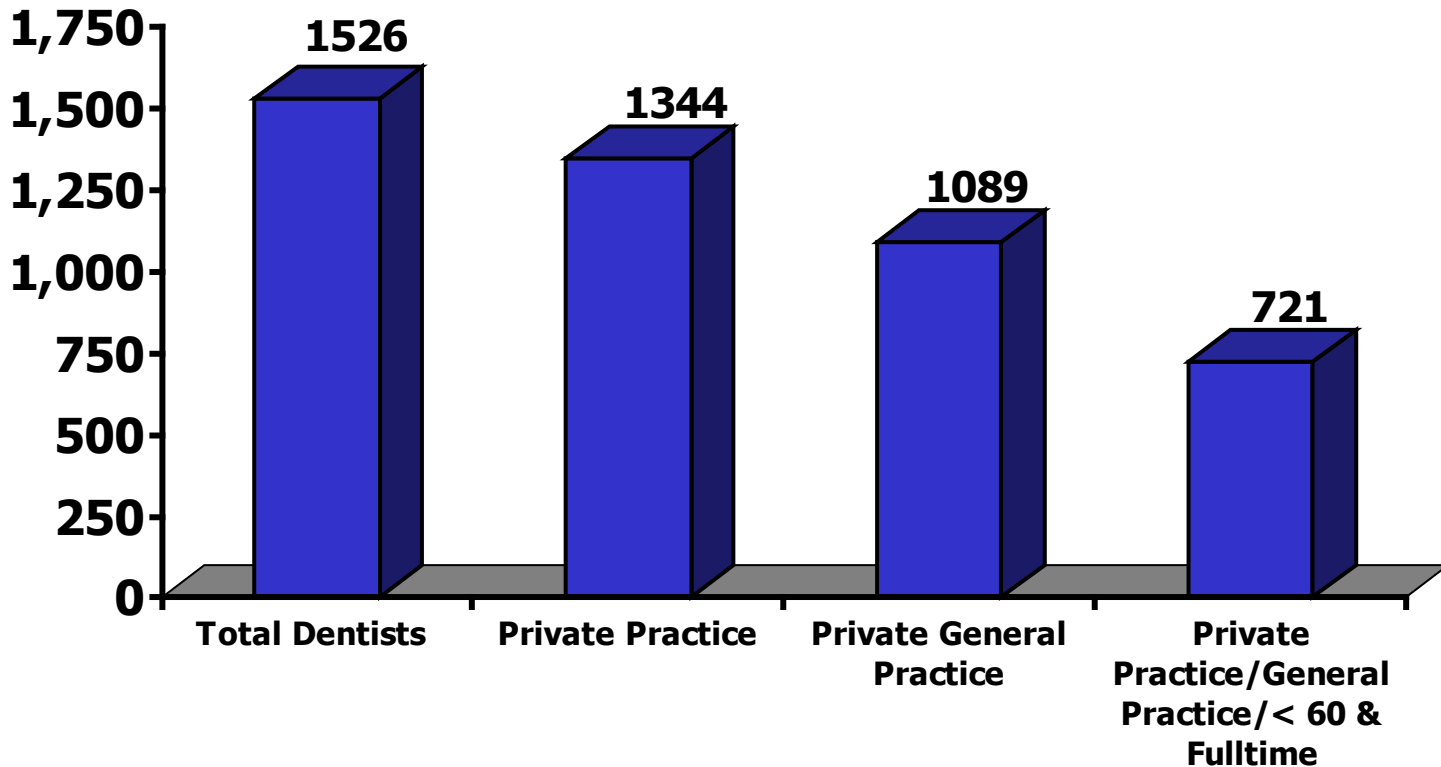
<u>Age Category</u>	<u>Part-Time*</u>	<u>% of Females**</u>	<u>% Of All***</u>
<30	5	1.2%	0.4%
30-34	14	3.3	1.0
35-39	19	4.5	1.4
40-44	16	3.7	1.2
45-49	6	1.4	0.5
50-54	9	2.1	0.7
55-59	8	1.9	0.6
60-64	9	2.1	0.7
65-69	0	0.0	0.0
≥ 70	<u>1</u>	<u>0.2</u>	<u>0.1</u>
* PT < 32 Hours	87	20.4%	6.6%

** % of Iowa's 426 Female Private Practice Dentists

*** % of Iowa's 1,344 Private Practice Dentists

IOWA DENTISTS

Selected Workforce Statistics 2020

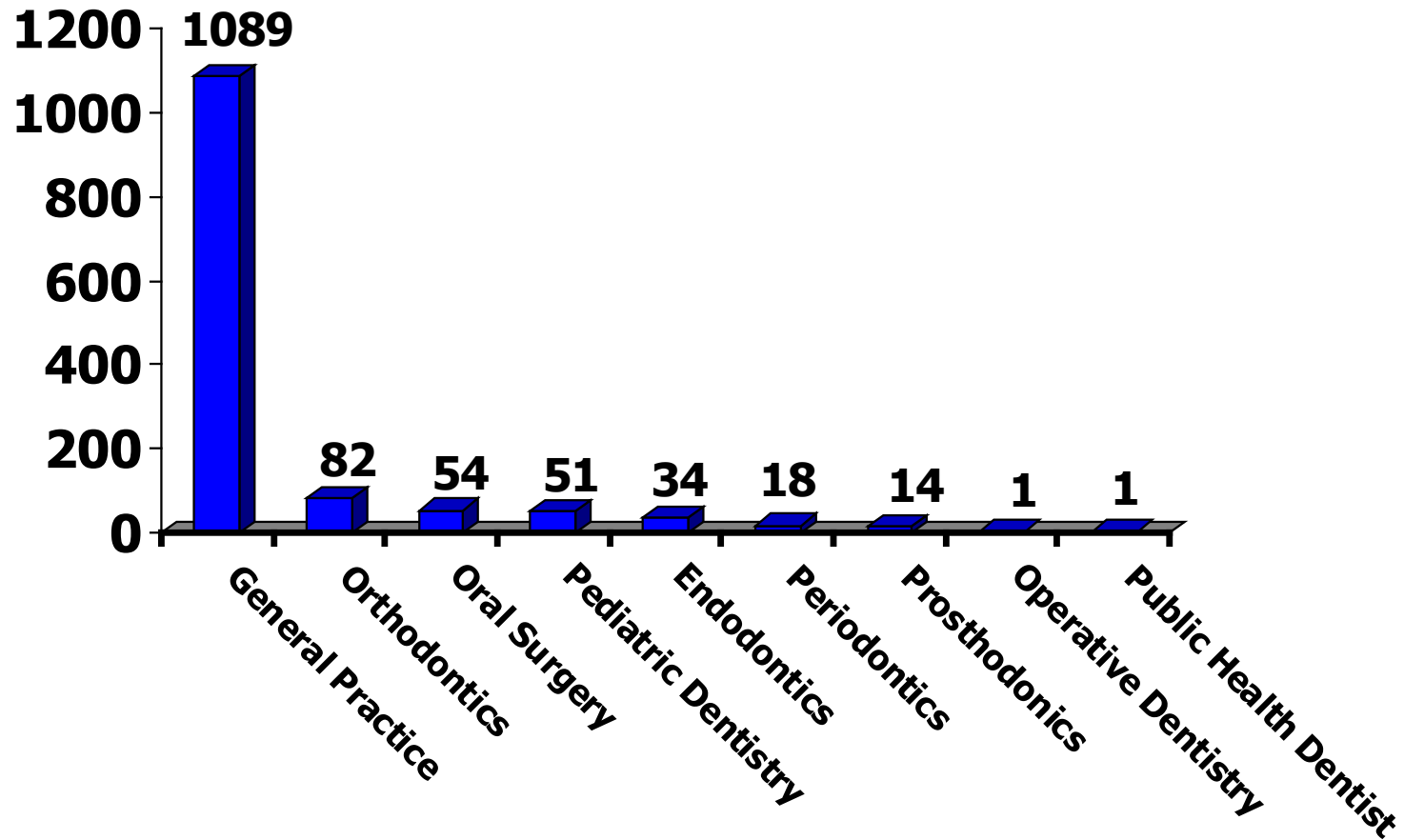


Population to Dentist Ratio = 2,068:1

Source: US Census Estimated 2019 Iowa Population

IOWA PRIVATE PRACTICE DENTISTS

Specialties (1,344)
2020



IOWA PRIVATE PRACTICE DENTISTS

Practice Arrangements 2020

<u>Practice Arrangement</u>	<u>Number</u>	<u>%</u>
• Solo Practice	463	34.4%
• 2 Member Partnership/Association	353	26.3
• 3-4 Member Group/Single Specialty	243	18.1
• Multi-Site Dental Group	127	9.4
• Corporate	83	6.2
• 5-6 Member Group/Single Specialty	41	3.1
• 3-4 Member Group/Multi-Specialty	15	1.1
• 5-6 Member Group/Multi-Specialty	11	0.8
• 7+ Member Group/Single Specialty	7	0.5
• Hospital Sponsored Practice	<u>1</u>	<u>0.1</u>
Total	1344	100%

IOWA PRIVATE PRACTICE DENTISTS

Practice Arrangements for Age \geq 60

2020

<u>Practice Arrangement</u>	<u>Number</u>	<u>%*</u>
• Solo Practice	159	11.8%
• 2 Member Partnership/Association	83	6.2
• 3-4 Member Group/Single Specialty	41	3.1
• Multi-Site Dental Group	28	2.1
• Corporate	14	1.0
• 5-6 Member Group/Single Specialty	4	0.3
• 5-6 Member Group/Multi-Specialty	3	0.2
• 7+ Member Group/Single Specialty	<u>1</u>	<u>0.1</u>
Total	333	24.8%

*** 1,344 Private Practice Dentists**

IOWA PRIVATE PRACTICE DENTISTS

Iowa Birth and UI Education
2020

	<u>Total</u>	<u>%</u>
• Private Practice Dentists	1344	100.0%
— Iowa Birthstate	845	62.9%
— UI Dental Graduate	1016	75.6%
— IA Birth and UI Graduate	773	57.5%

IOWA PRIVATE PRACTICE DENTISTS

Dental School Source
2020

<u>School Name</u>	<u>Number</u>	<u>%</u>
University of Iowa	1016	75.6%
Creighton University	83	6.2%
University of Nebraska	56	4.2%
Other	<u>189</u>	<u>14.0%</u>
	Total	1344
		100.0%

IOWA PRIVATE PRACTICE DENTISTS

Distribution by Community Size

2020

<u>Community Population</u>	<u>No. of Communities</u>	<u>No. of Communities With DDS</u>	<u>Number of DDS</u>	<u>% of DDS</u>
< 1,000	203	11	13	1.0%
1,000-4,999	662	107	211	15.7
5,000-9,999	52	42	212	15.8
10,000-49,999	22	28	367	27.3
50,000-99,999	8	8	374	27.8
<u>≥ 100,000</u>	<u>2</u>	<u>2</u>	<u>167</u>	<u>12.4</u>
Total	949	198	1344	100.0%

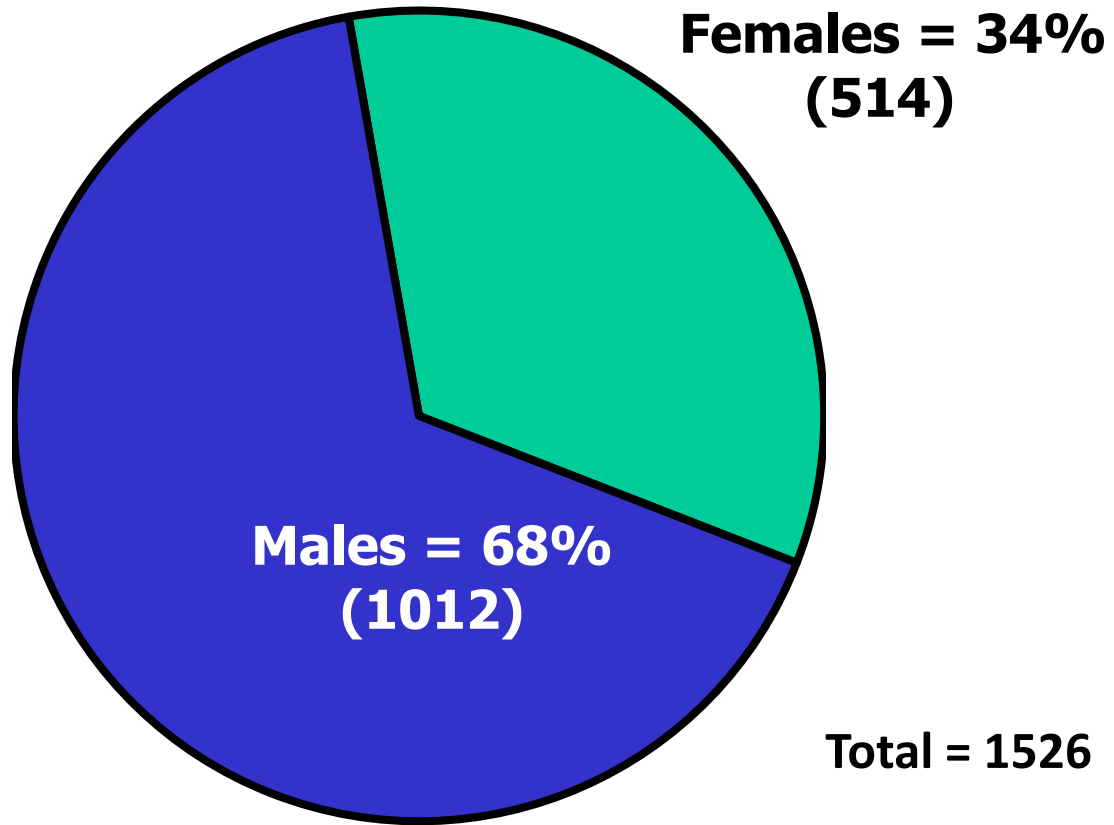
IOWA DENTISTS

Annual Workforce Report

<u>Date</u>	<u>Dentists</u>
• December 2020	1526
• January 2020	<u>-1561</u>
Net Gain/Loss	-35

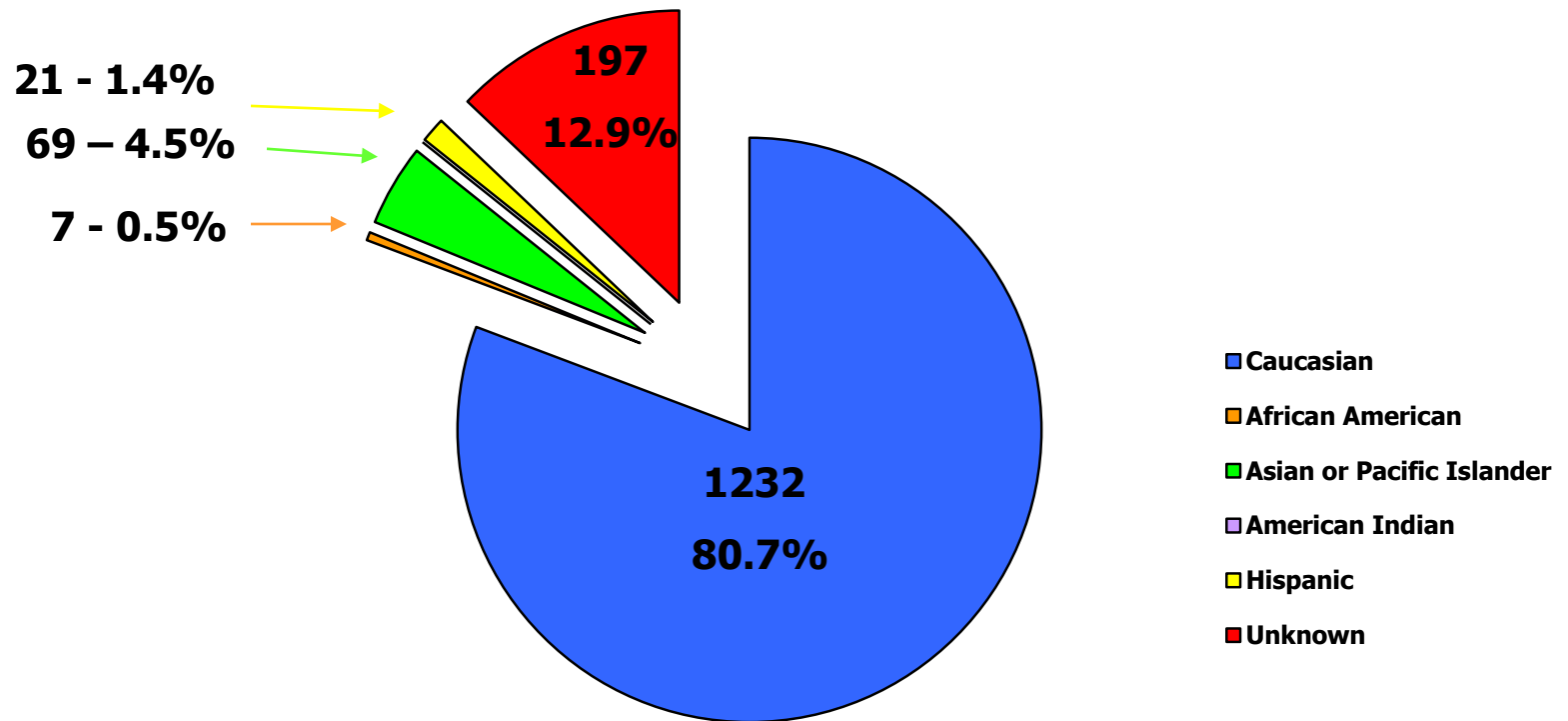
IOWA DENTISTS

Gender
2020



IOWA DENTISTS

Ethnic Codes 2020

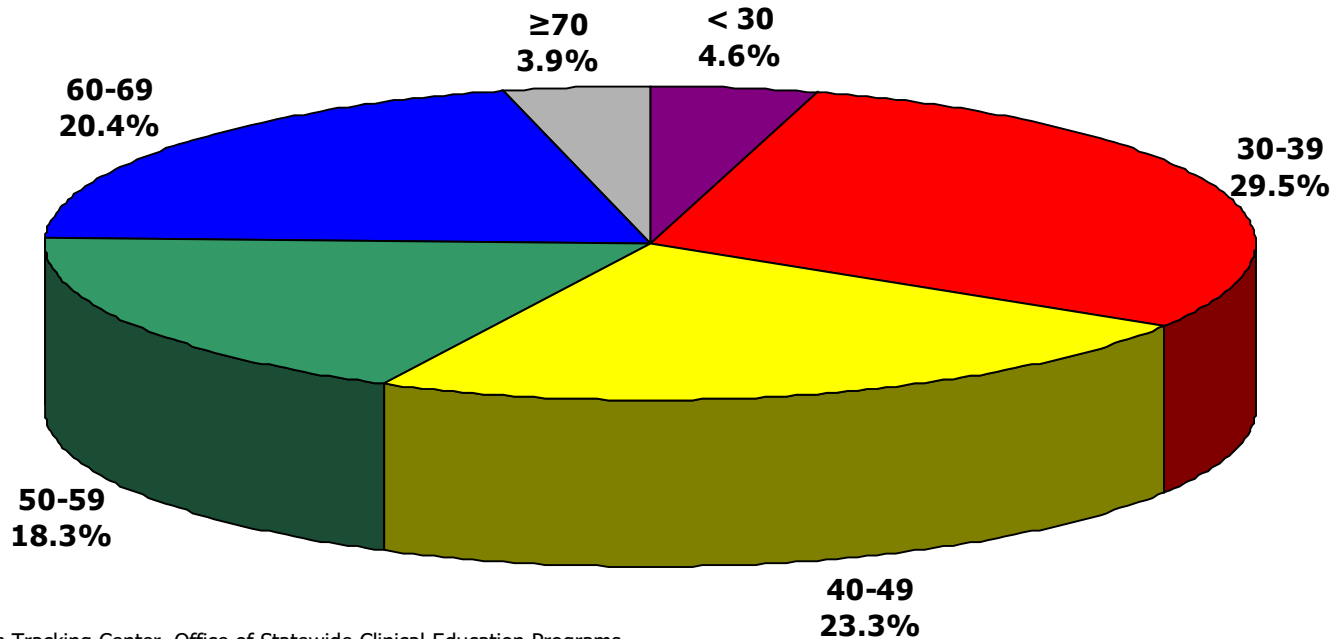


Total = 1526

IOWA DENTISTS

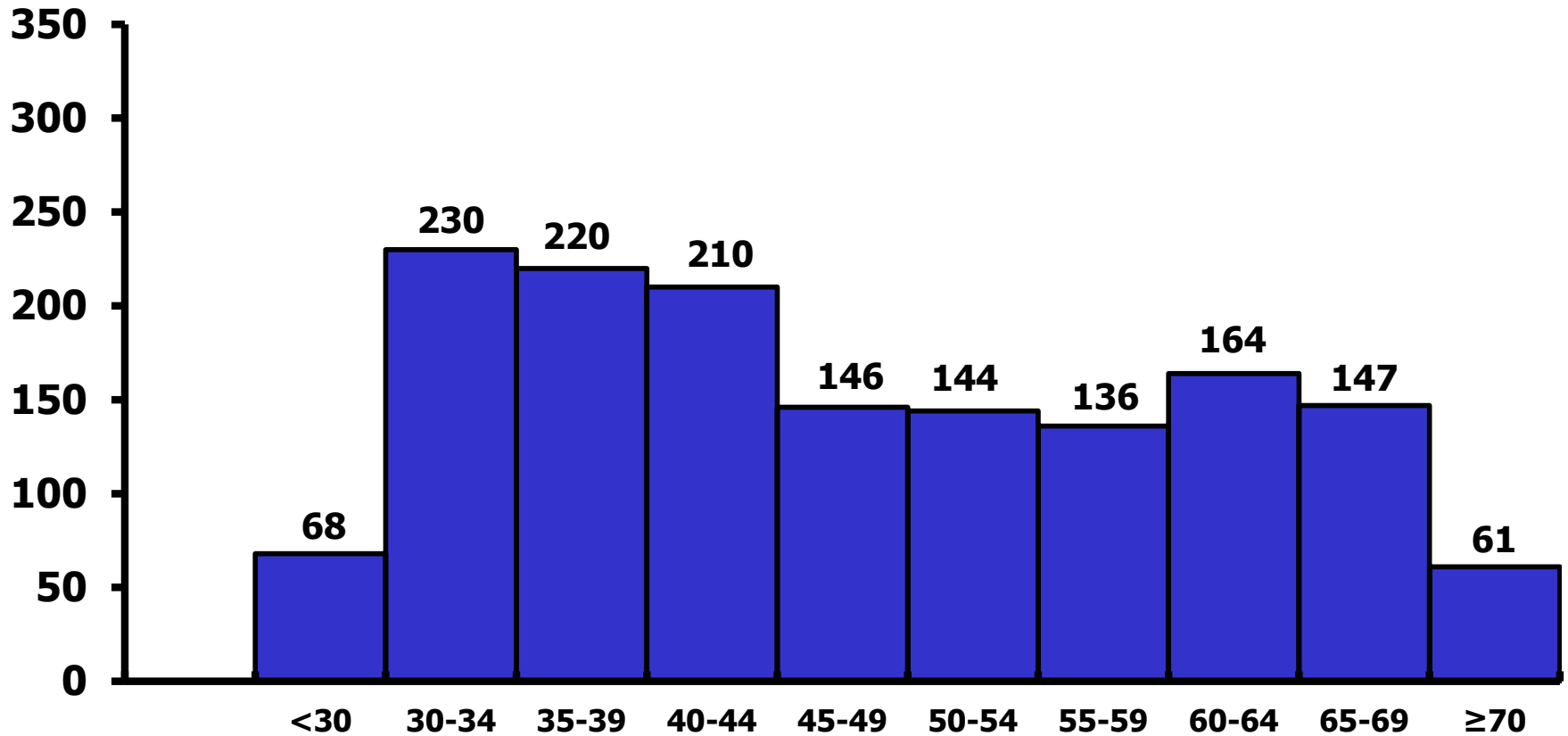
Age Distribution 2020

<u>Age Category</u>	<u>No.</u>	<u>%</u>	<u>Cumulative %</u>
< 30	68	4.6%	4.6%
30-39	450	29.5	34.1
40-49	356	23.3	57.4
50-59	280	18.3	75.7
60-69	311	20.4	96.1
≥ 70	<u>61</u>	<u>3.9</u>	100.0%
	1526	100.0%	



IOWA DENTISTS

Age Distribution 2020



Average Age of Dentists = 48

Median Age of Dentists = 46

IOWA DENTISTS

Age Distribution

Male vs. Female

2020

<u>Age Category</u>	<u>Male</u>	<u>%</u>	<u>Female</u>	<u>%</u>
< 30	32	2.0%	36	2.2%
30-39	236	15.5	214	14.0
40-49	222	14.6	134	8.8
50-59	198	13.0	82	5.4
60-69	264	17.3	47	3.0
≥ 70	<u>60</u>	<u>3.9</u>	<u>1</u>	<u>0.1</u>
Totals	1012	66.3%	514	33.7%

IOWA DENTISTS

Full-Time vs. Part-Time*

2020

	<u>Number</u>	<u>%</u>
Full-Time	1335	87%
Part-Time	<u>191</u>	<u>13%</u>
Total	1526	100%

***FT \geq 32 hours**

***PT $<$ 32 hours**

IOWA DENTISTS

Part-Time by Age 2020

<u>Age Category</u>	<u>Part-Time*</u>	<u>%**</u>
<30	5	0.3%
30-34	23	1.6
35-39	27	1.8
40-44	23	1.6
45-49	23	1.6
50-54	17	1.2
55-59	11	0.7
60-64	20	1.4
65-69	27	1.8
➤ 70	<u>15</u>	<u>1.0</u>
	191	13.0%

*PT < 32 Hours

** % of Iowa's 1,526 Dentists

IOWA DENTISTS

Females Part-Time by Age

2020

<u>Age Category</u>	<u>Part-Time*</u>	<u>% of Females**</u>	<u>% of All***</u>
<30	5	1.0%	0.3%
30-34	16	3.1	1.0
35-39	19	3.7	1.2
40-44	16	3.1	1.0
45-49	7	1.4	0.5
50-54	11	2.1	0.7
55-59	8	1.6	0.5
60-64	9	1.8	0.6
65-69	1	0.2	0.1
≥ 70	<u>1</u>	<u>0.2</u>	<u>0.1</u>
* PT < 32 Hours	93	18.2%	6.0%

**** % of Iowa's 514 Female Dentists**

***** % of Iowa's 1,526 Dentists**

IOWA DENTISTS

Males Part-Time by Age

2020

<u>Age Category</u>	<u>Part-Time*</u>	<u>% of Males**</u>	<u>% of All***</u>
<30	0	0.0%	0.0%
30-34	7	0.7	0.5
35-39	8	0.8	0.5
40-44	7	0.7	0.5
45-49	16	1.6	1.0
50-54	6	0.6	0.4
55-59	3	0.3	0.2
60-64	11	1.1	0.7
65-69	26	2.6	1.7
≥ 70	<u>14</u>	<u>1.4</u>	<u>0.9</u>
	98	9.8%	6.4%

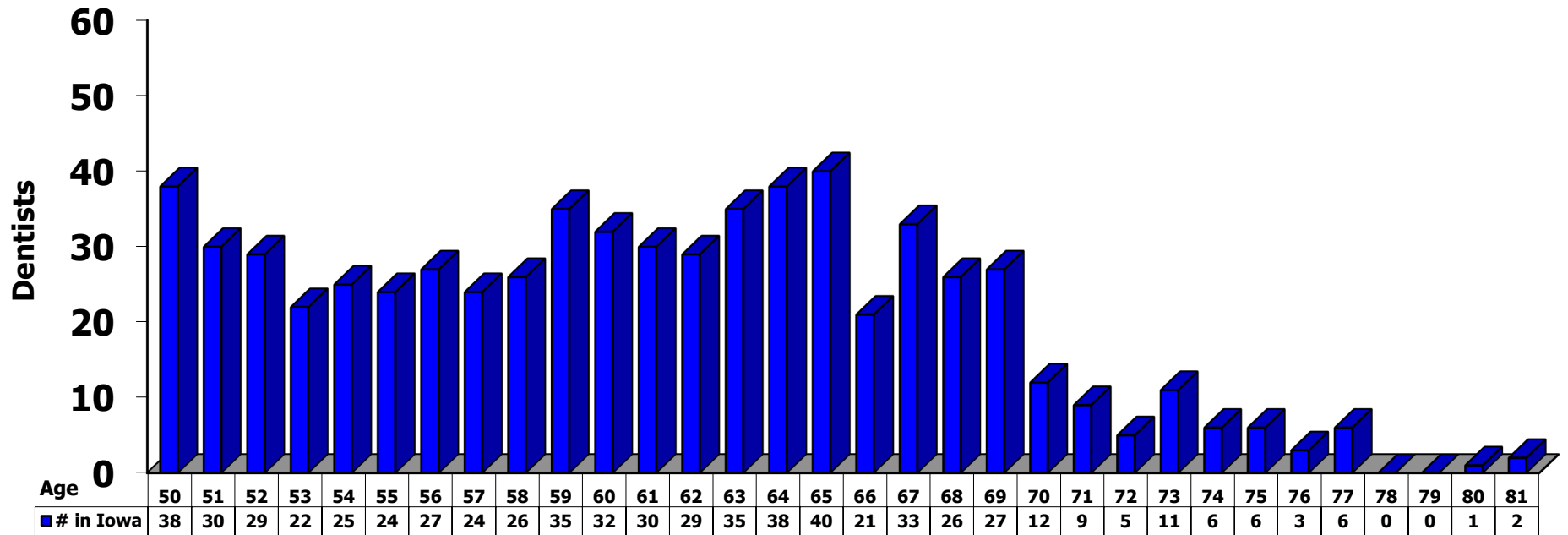
* PT < 32 Hours

** % of Iowa's 1,012 Male Dentists

*** % of Iowa's 1,526 Dentists

IOWA DENTISTS

Detail of age ≥ 50
2020



Total number of dentists 50 years of age and older = 652

IOWA DENTISTS

Retirement Summary

	<u>2020</u>	<u>Prior 5 Year Average</u>
Retirements	40	45
Mean Age	66	67
Median Age	68	67

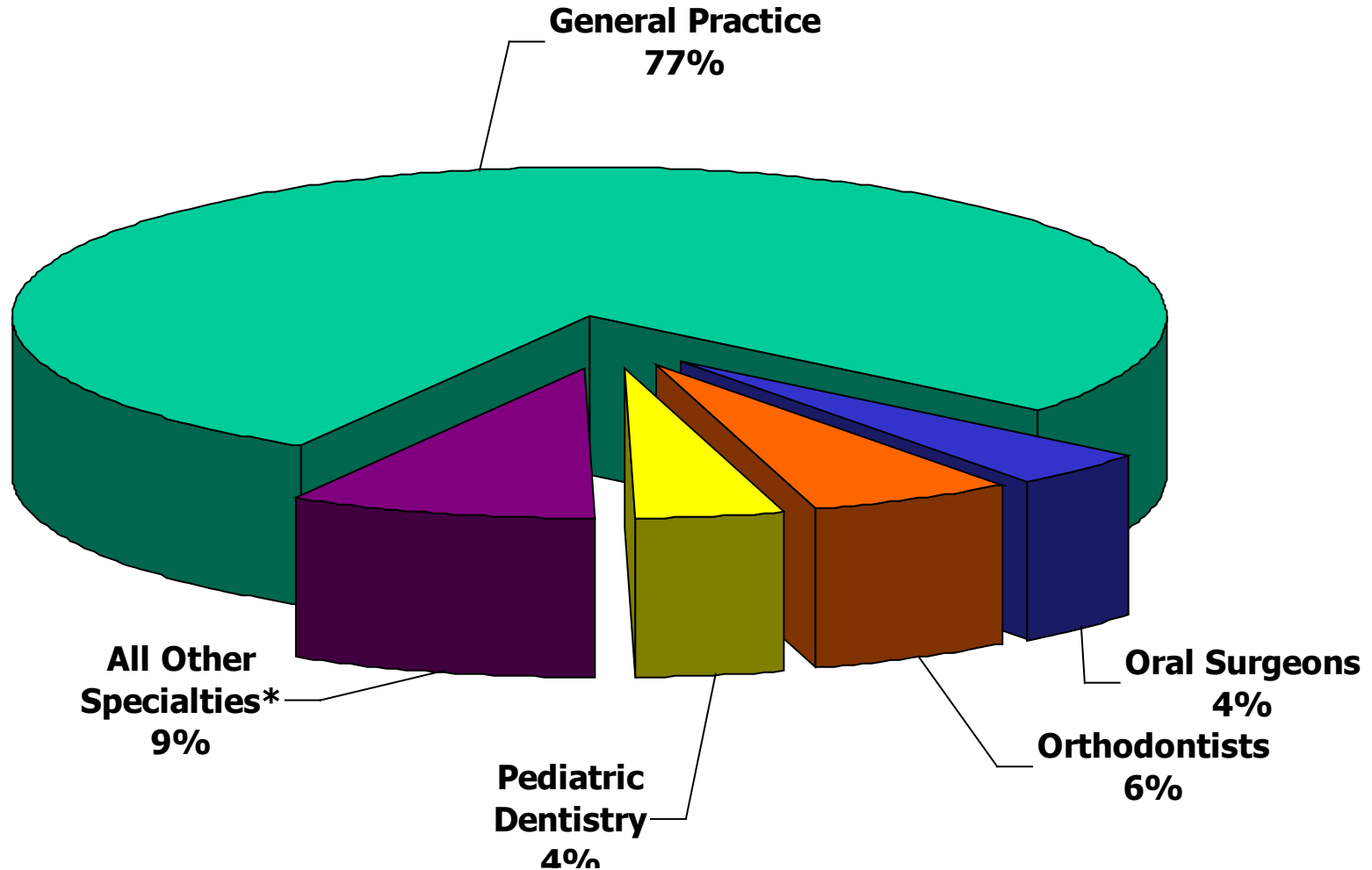
IOWA DENTISTS

Principal Professional Activity 2020

<u>Professional Activity</u>	<u>Number</u>	<u>%</u>
• Private Practice	1344	88.0%
• Dental School Faculty/Research	90	5.9
• Community Health/Local Gov	56	3.7
• Administration/Other	10	0.7
• State/Federal Government	10	0.7
• Veterans Administration	9	0.6
• Hospital Staff Dentist	6	0.3
• Research	<u>1</u>	<u>0.1</u>
Total	1526	100%

IOWA DENTISTS SPECIALTIES (1,526)

2020



* Periodontists, Prosthodontists, Endodontists, Operative, Public Health , Oral Pathologists & Radiologists

IOWA DENTISTS

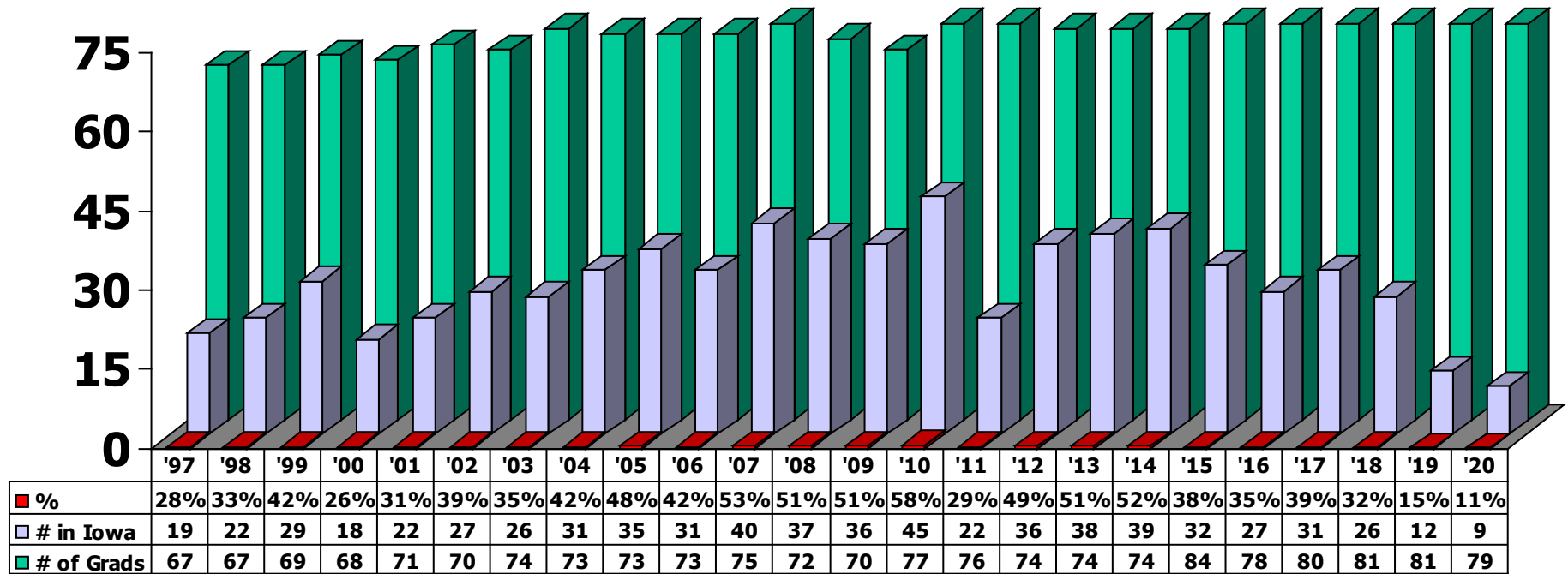
With UI Education or Graduate Training 2020

	<u>UI Experience</u>	<u>% of Total</u>	<u>Cumulative %</u>	<u>Number</u>	<u>% of Total</u>
Dentists w/ UI Education Experience				1166	76.4%
— Dental School (only)	968	63.4%	63.4%		
— Dental School/Additional Training*	186	12.2%	75.6%		
— Residency (only)	<u>12</u>	<u>0.8%</u>	76.4%		
Subtotals	1166	76.4%			
No UI Education Experience				360	23.6%
			Totals	1526	100.00%

* Includes Residency, Fellowship and Certification Programs

UI DENTAL GRADUATES **NOW** IN IOWA

(Graduate Classes 1997-2020)



Annual Average = 39%

UI DENTAL GRADUATES SUMMARY

(Class of 2020)

	<u>Male</u>	<u>Female</u>
UI Grads	2	7
Average Age	27	29
Specialties	General Practice/Private Practice=2 Ages: 27 (2)	General Practice/Private Practice=6 Ages: 26, 27, 28 (2), 35 (2) General Practice/Community Health=1 Age: 27

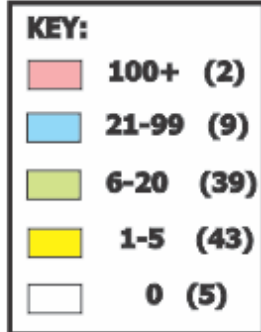
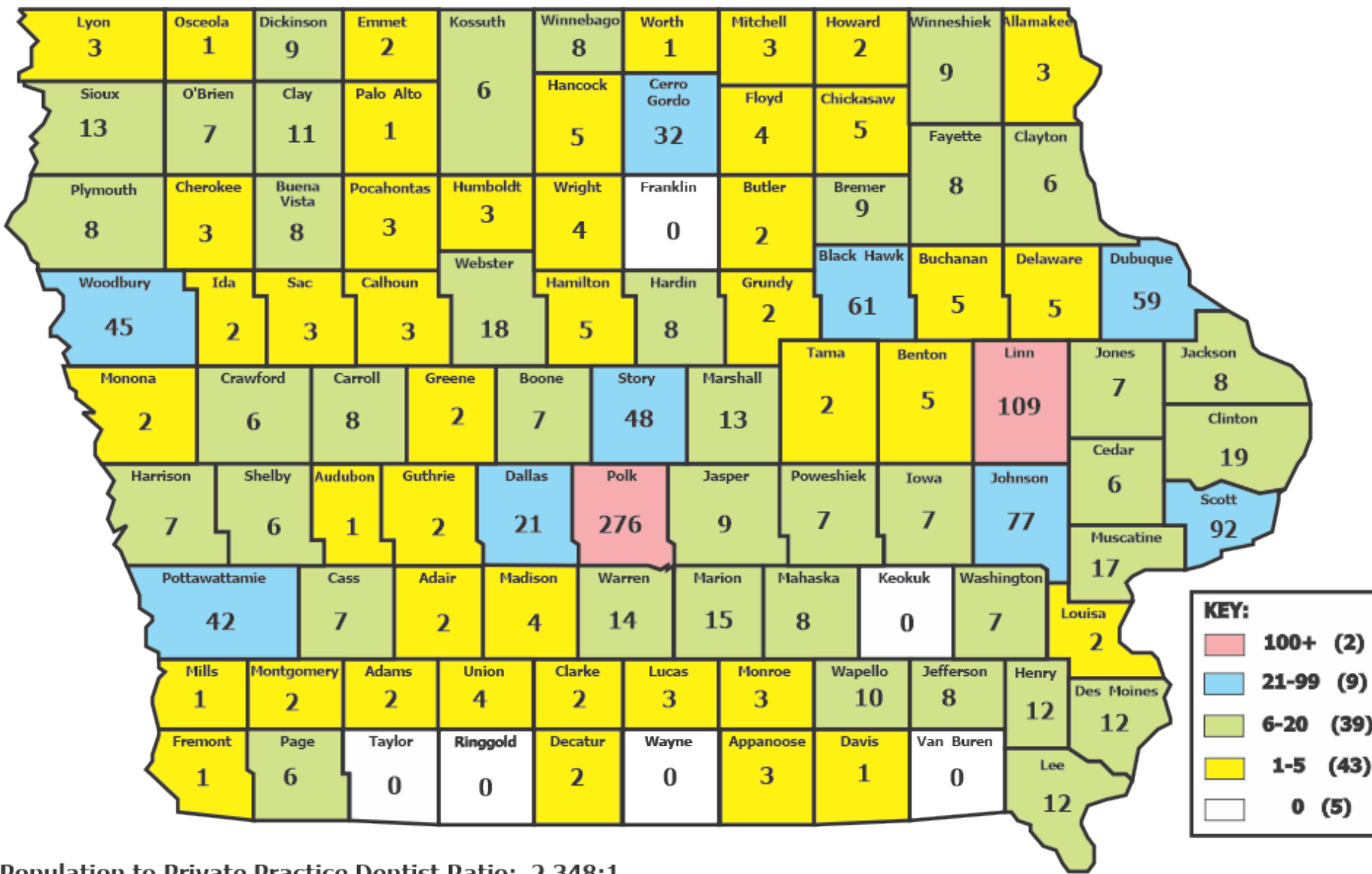
IOWA DENTISTS

Distribution by Community Size 2020

<u>Community Population</u>	<u>No. of Communities</u>	<u>No. of Communities With DDS</u>	<u>Number of DDS</u>	<u>% of DDS</u>
< 1,000	203	12	15	1.0%
1,000-4,999	662	109	217	14.2
5,000-9,999	52	42	219	14.3
10,000-49,999	22	28	384	25.2
50,000-99,999	8	8	499	32.7
<u>≥ 100,000</u>	<u>2</u>	<u>2</u>	<u>192</u>	<u>12.6</u>
Total	949	201	1526	100.0%

PRIVATE PRACTICE DENTISTS (1,344)

All Specialties

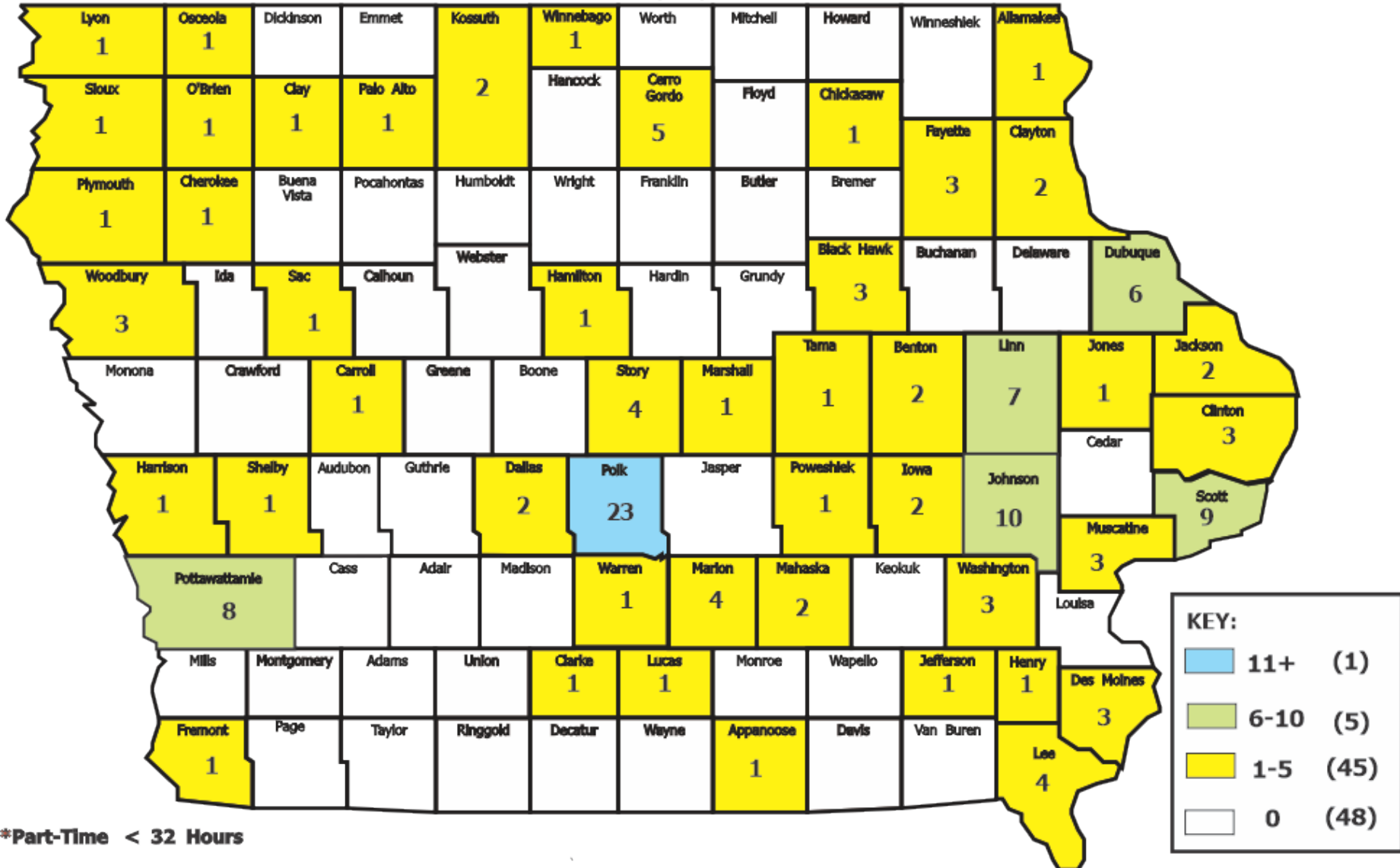


Population to Private Practice Dentist Ratio: 2,348:1
 Source: US Census Estimated Iowa Population

Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, June 2021

IOWA PRIVATE PRACTICE DENTISTS (141)

General Practice Part-Time* 2020

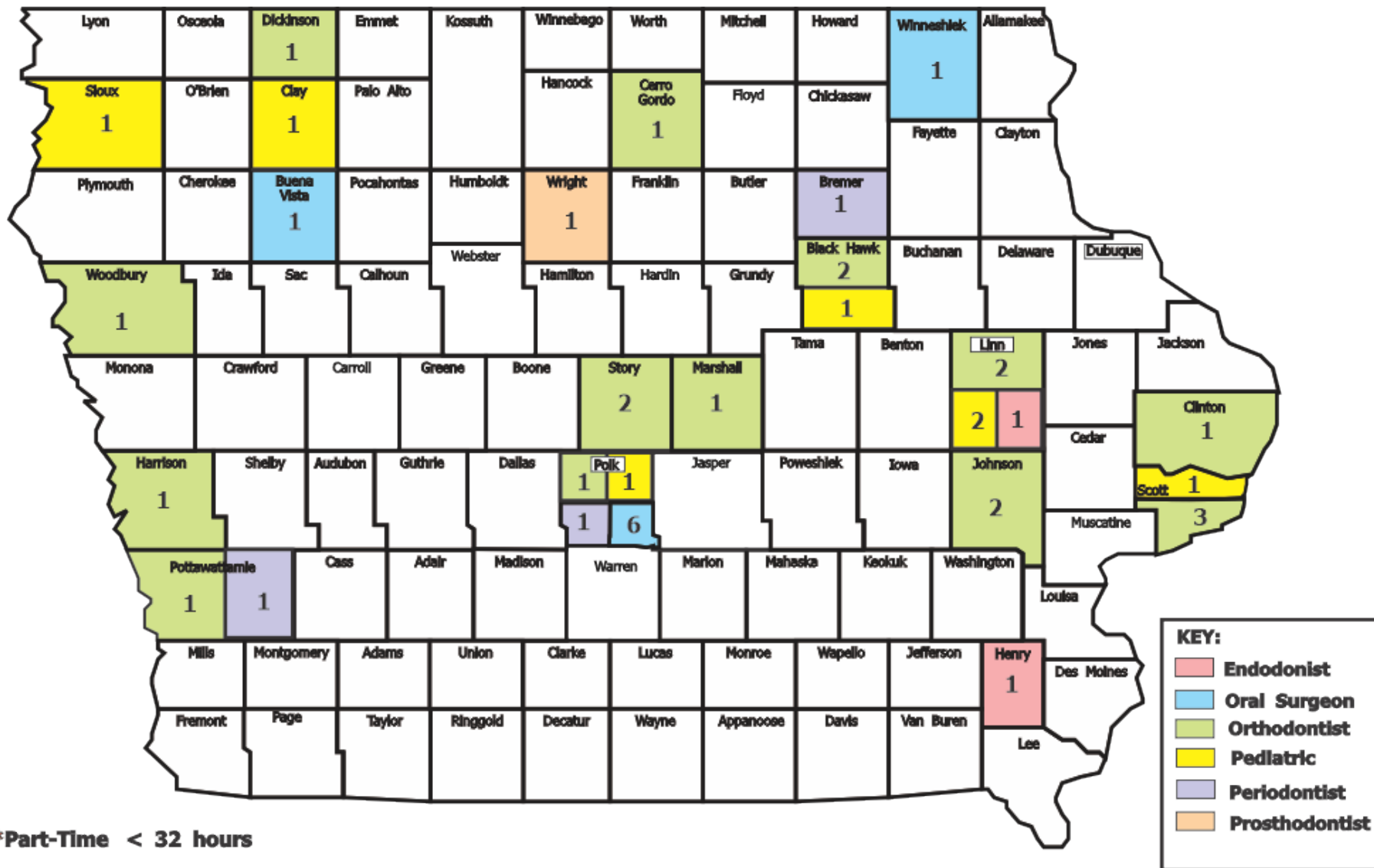


*Part-Time < 32 Hours

IOWA PRIVATE PRACTICE DENTISTS (39)

By Select Specialty

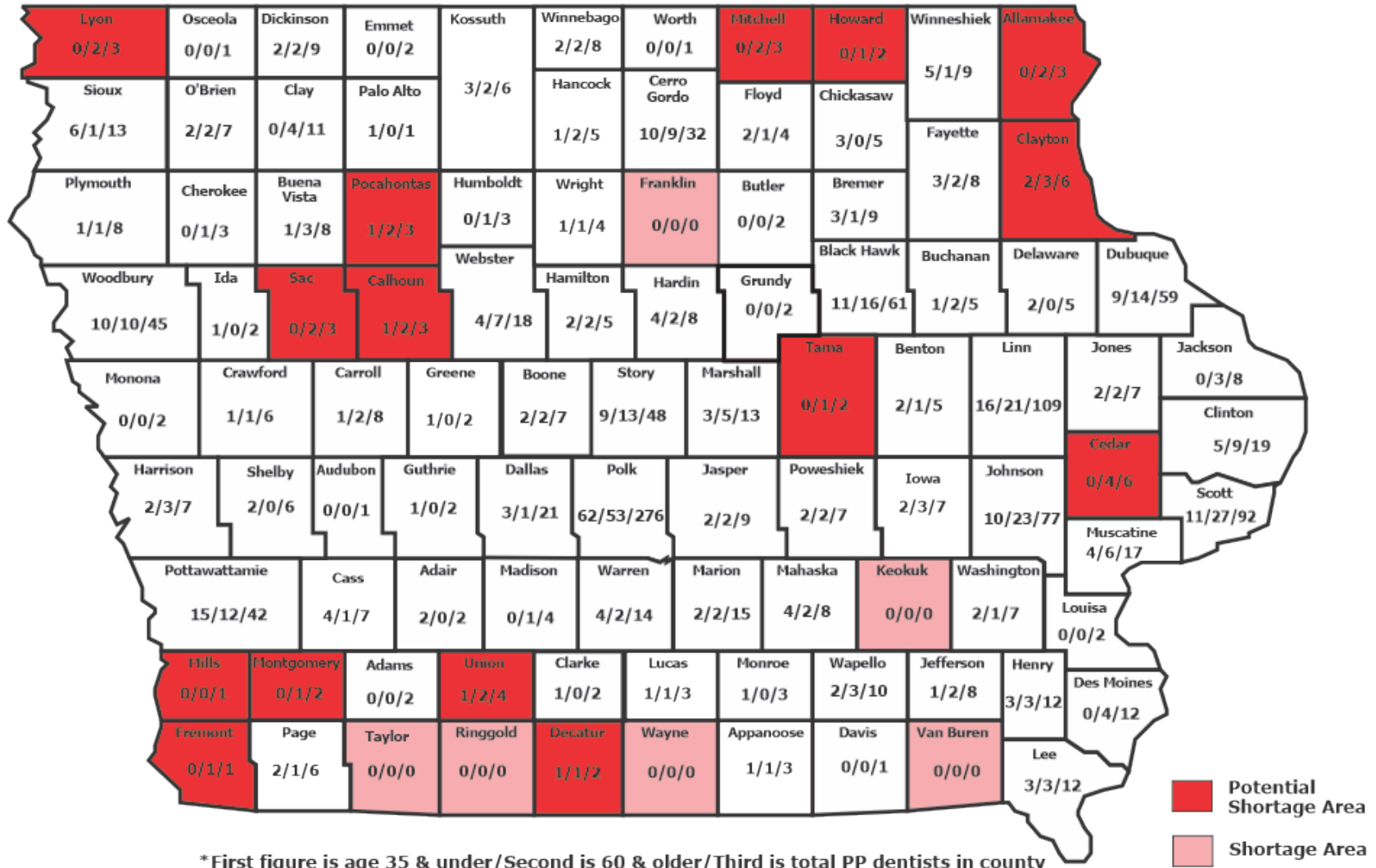
Part-Time*
2020



*Part-Time < 32 hours

DISTRIBUTION OF IOWA PRIVATE PRACTICE DENTISTS

Age Extremes* 2020

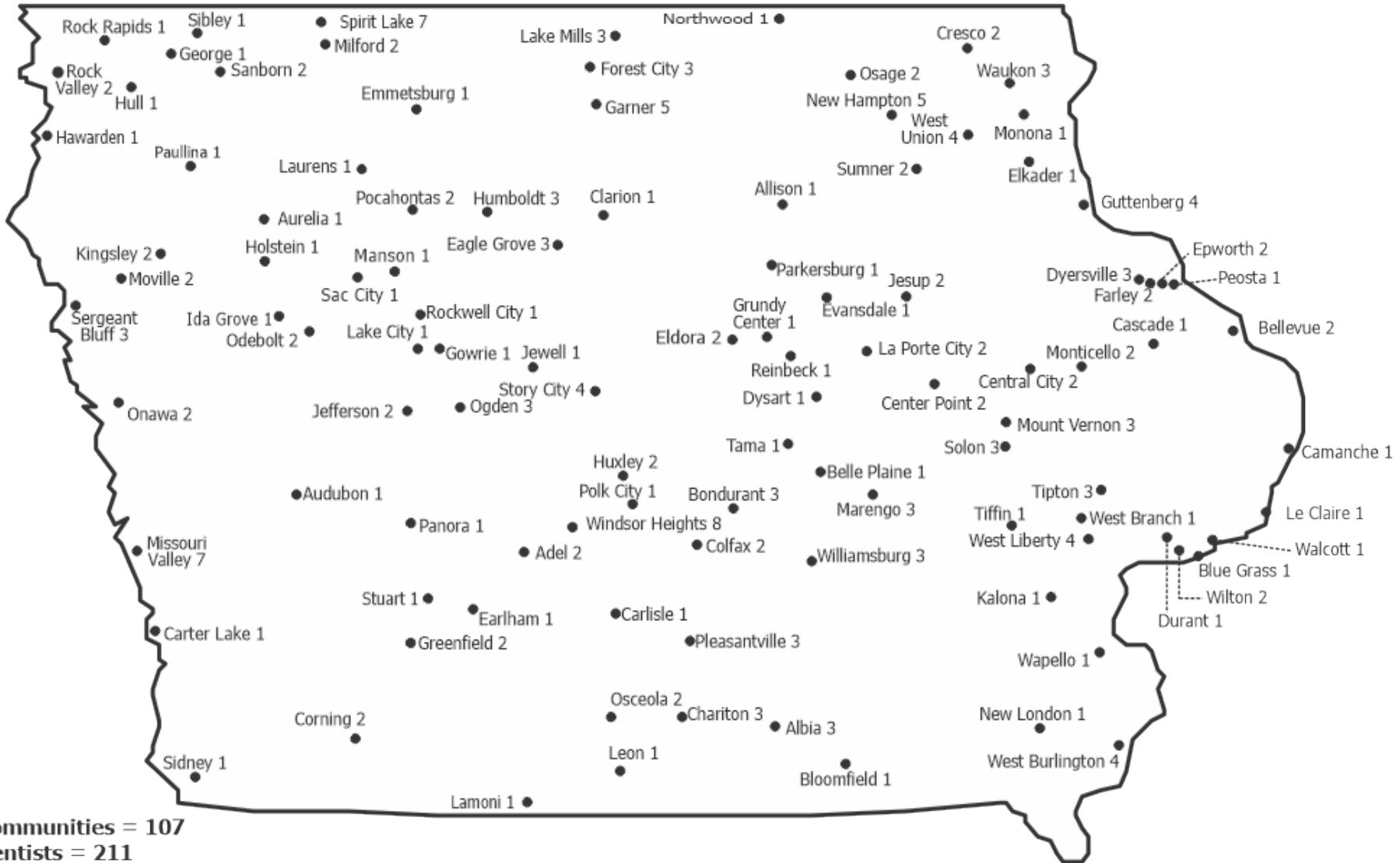


*First figure is age 35 & under/Second is 60 & older/Third is total PP dentists in county

IOWA COMMUNITIES*

Iowa Private Practice Dentists*

Communities $\geq 1,000$ and $\leq 4,999$
2020

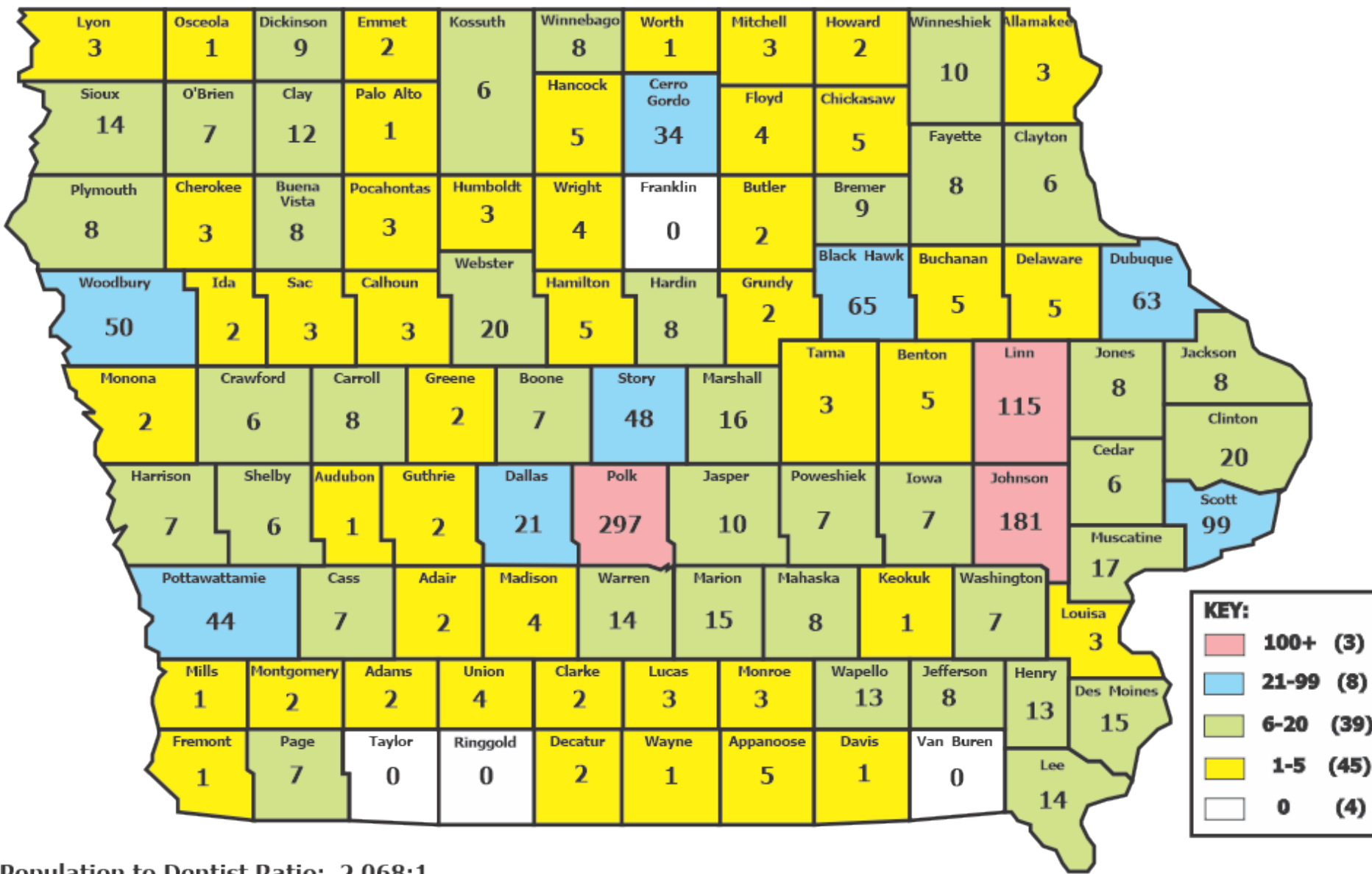


*Communities = 107

*Dentists = 211

IOWA DENTISTS (1,526)

All Specialties



KEY:

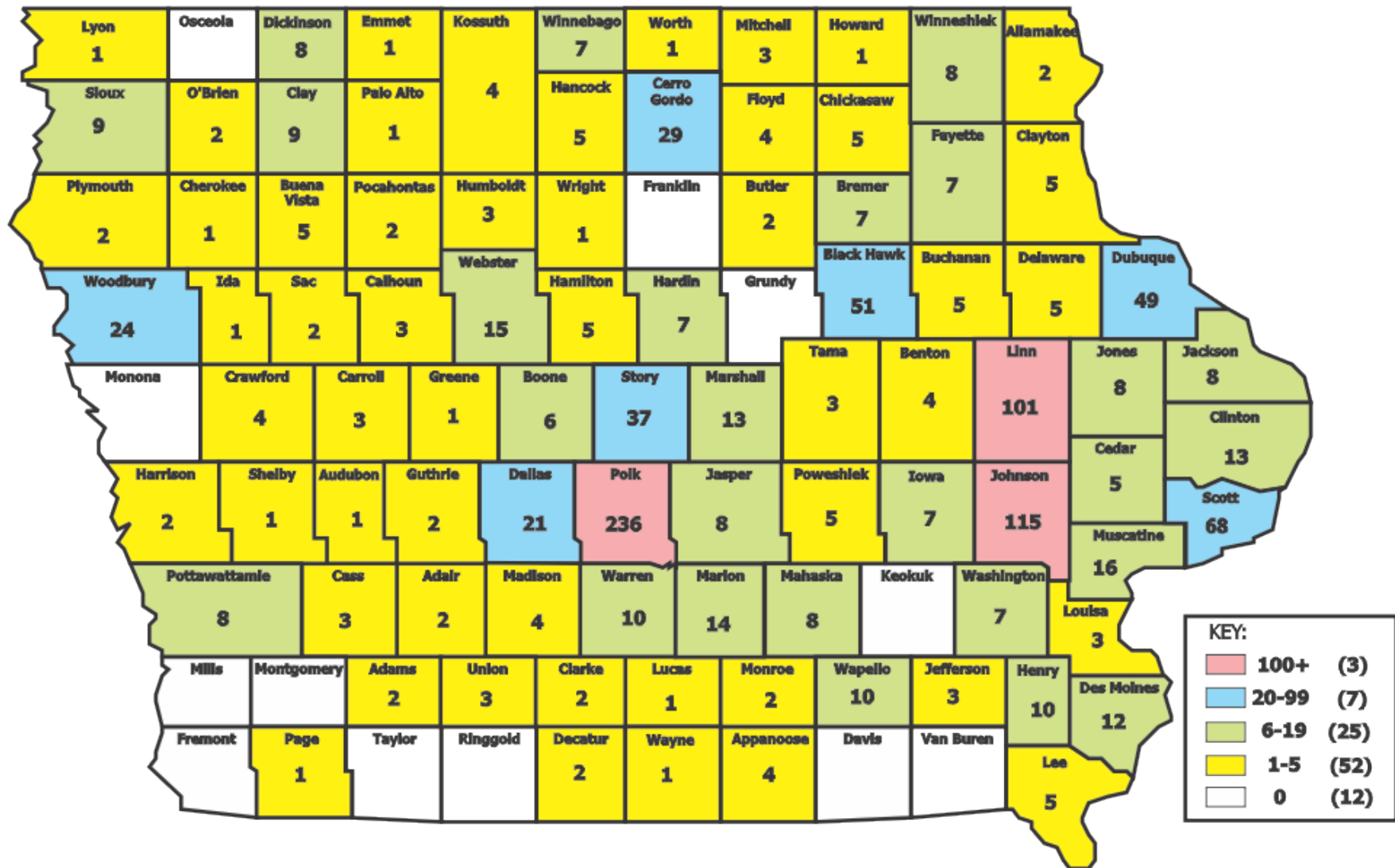
- 100+ (3)**
- 21-99 (8)**
- 6-20 (39)**
- 1-5 (45)**
- 0 (4)**

Population to Dentist Ratio: 2,068:1
 Source: US Census Estimated Iowa Population

Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, May 2021

DISTRIBUTION OF UI DENTAL GRADUATES (1,107)*

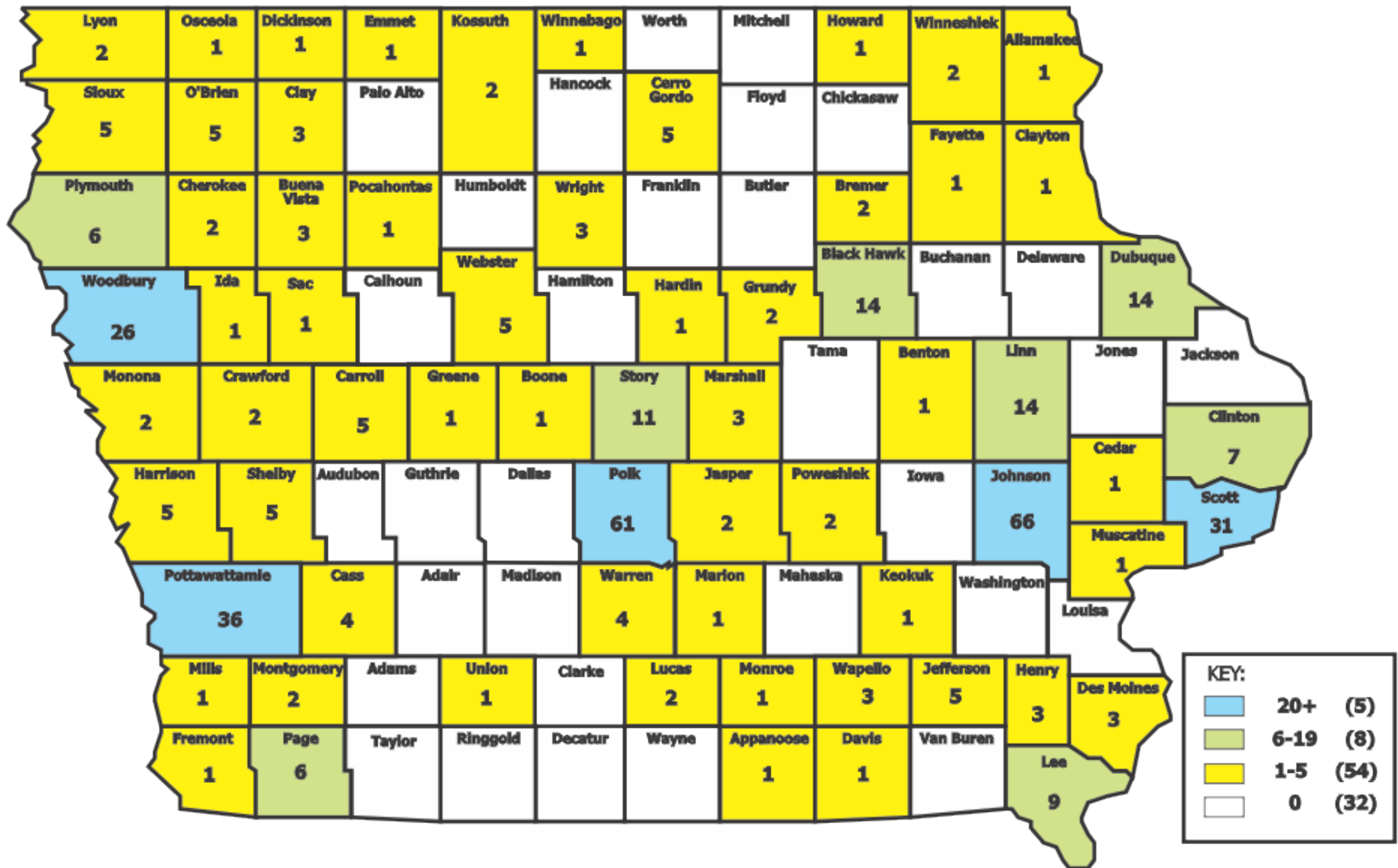
All Professional Activities 2020



*72.5% of Iowa's 1,526 dentists

DISTRIBUTION OF NON-UI DENTAL GRADUATES (419)*

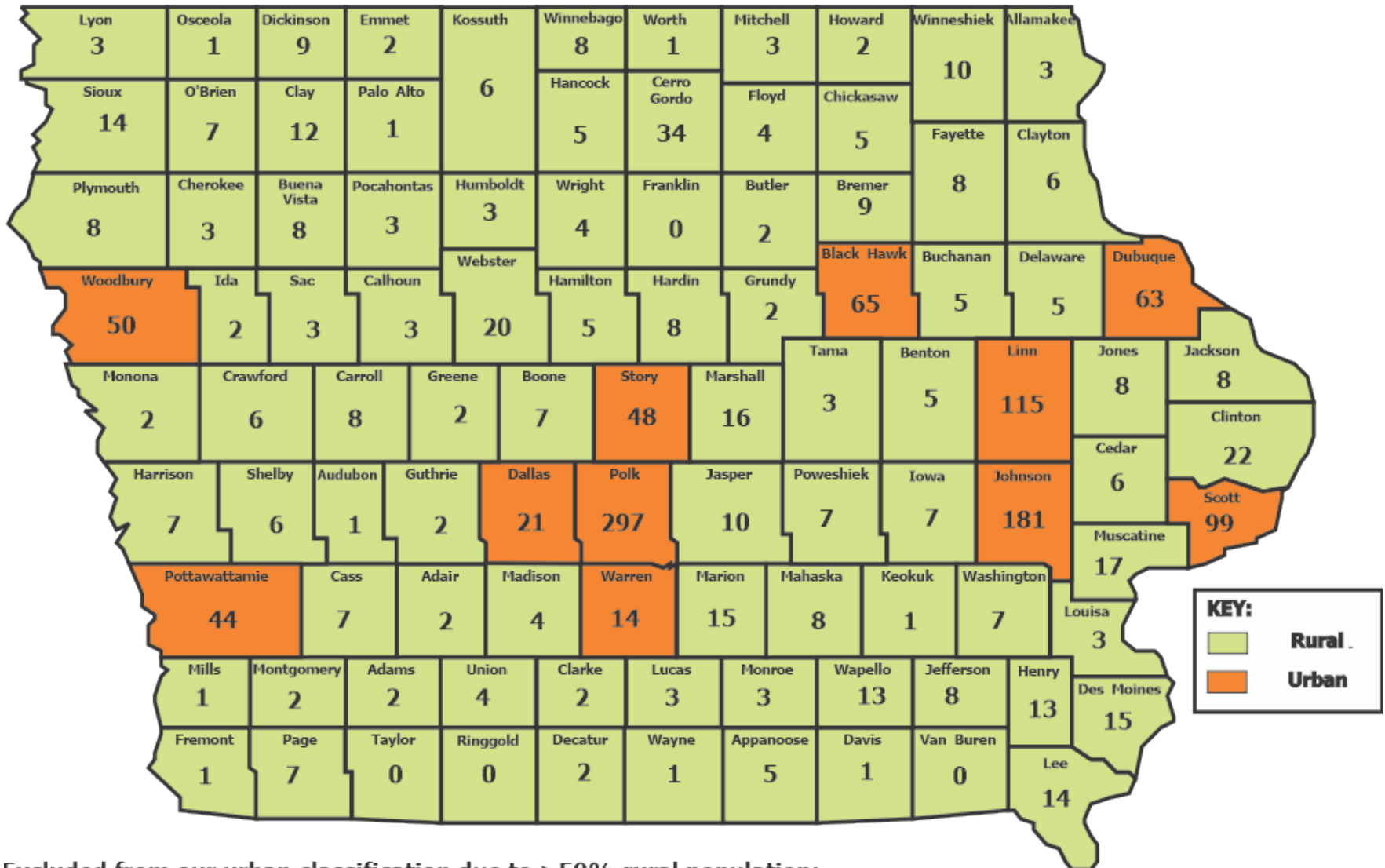
All Professional Activities
2020



***27.5% of Iowa's 1,526 dentists**

DISTRIBUTION OF DENTISTS BY RUCC*

All Specialties (1526)
2020



Excluded from our urban classification due to >50% rural population:
Benton, Bremer, Grundy, Guthrie, Harrison, Jones, Madison, Mills, Plymouth, Washington

DISTANCE TO NEAREST IOWA DENTIST*

All Specialties

2020

<u>Miles</u>	<u>% of Population</u>	<u>Cumulative %</u>
5 or less	84.8	84.8
6 – 15	13.7	98.5
16 – 25	1.4	99.9
26 – 35	<u>0.1</u>	100.0
Total	100%	

Average Distance = 10.2 Miles

***For persons in towns and unincorporated areas without a dentist.**

DISTANCE TO NEAREST IOWA DENTIST

General Dentist *

2020


<u>Miles</u>	<u>% of Population</u>	<u>Cumulative %</u>
5 or less	84.7	84.7
6 – 15	13.8	98.5
16 – 25	1.4	99.9
26 – 35	<u>0.1</u>	100.0
Total	100%	

Average Distance = 10.2 Miles

***For persons in towns and unincorporated areas without a dentist.**

DISTANCES IOWANS TRAVEL TO NEAREST DENTAL SPECIALTY SERVICE 2020

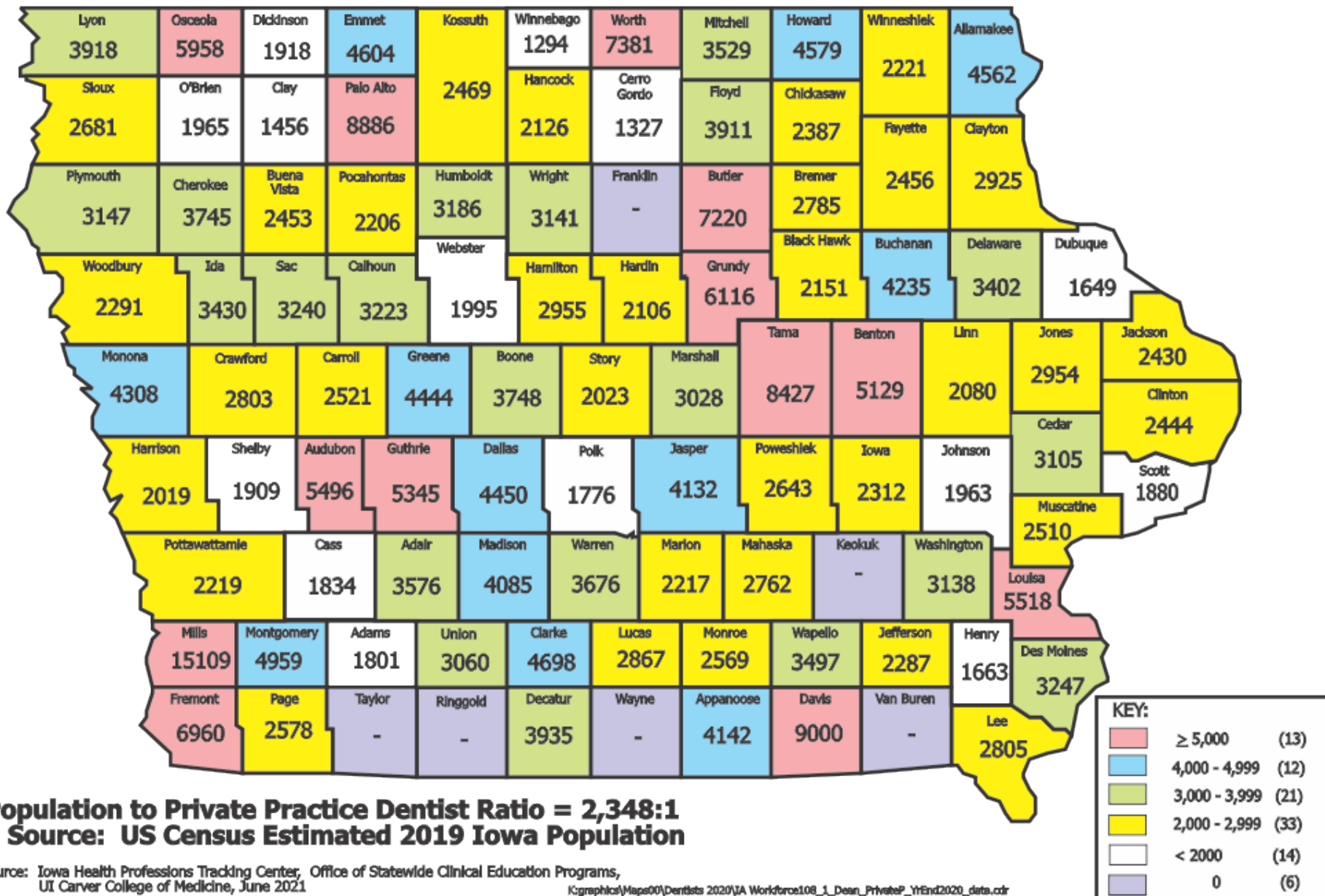
	Average Distance	Miles to Service						Cumulative % of Population
		0-5	6-15	16-25	26-35	36-45	46-50	
Closest Dentist (any specialty)	10.2	84.8	98.5	99.9	100.0			
General Dentist	10.2	84.7	98.5	99.9	100.0			
Pediatric Dentistry	26.2	47.6	64.8	78.6	89.0	97.8	98.7	100.0
Orthodontist	27.9	46.6	67.6	82.5	90.0	94.8	96.8	100.0
Oral Surgeon	28.0	45.2	67.6	81.2	90.8	95.9	96.9	100.0
Endodontist	38.0	41.4	57.8	67.2	77.0	86.4	88.6	100.0
Periodontist	40.7	23.8	51.7	60.1	72.5	79.2	82.1	100.0
Prosthodontist	44.3	20.6	47.8	54.8	66.0	74.6	78.7	100.0
Oral Pathologist	84.2	2.9	8.4	15.2	19.5	23.0	28.6	100.0

 Distance from specialty service for 75% or more of Iowa's municipal population

IOWA POPULATION TO PRIVATE PRACTICE DENTIST RATIO*

By County

2020



Population to Private Practice Dentist Ratio = 2,348:1
*** Source: US Census Estimated 2019 Iowa Population**

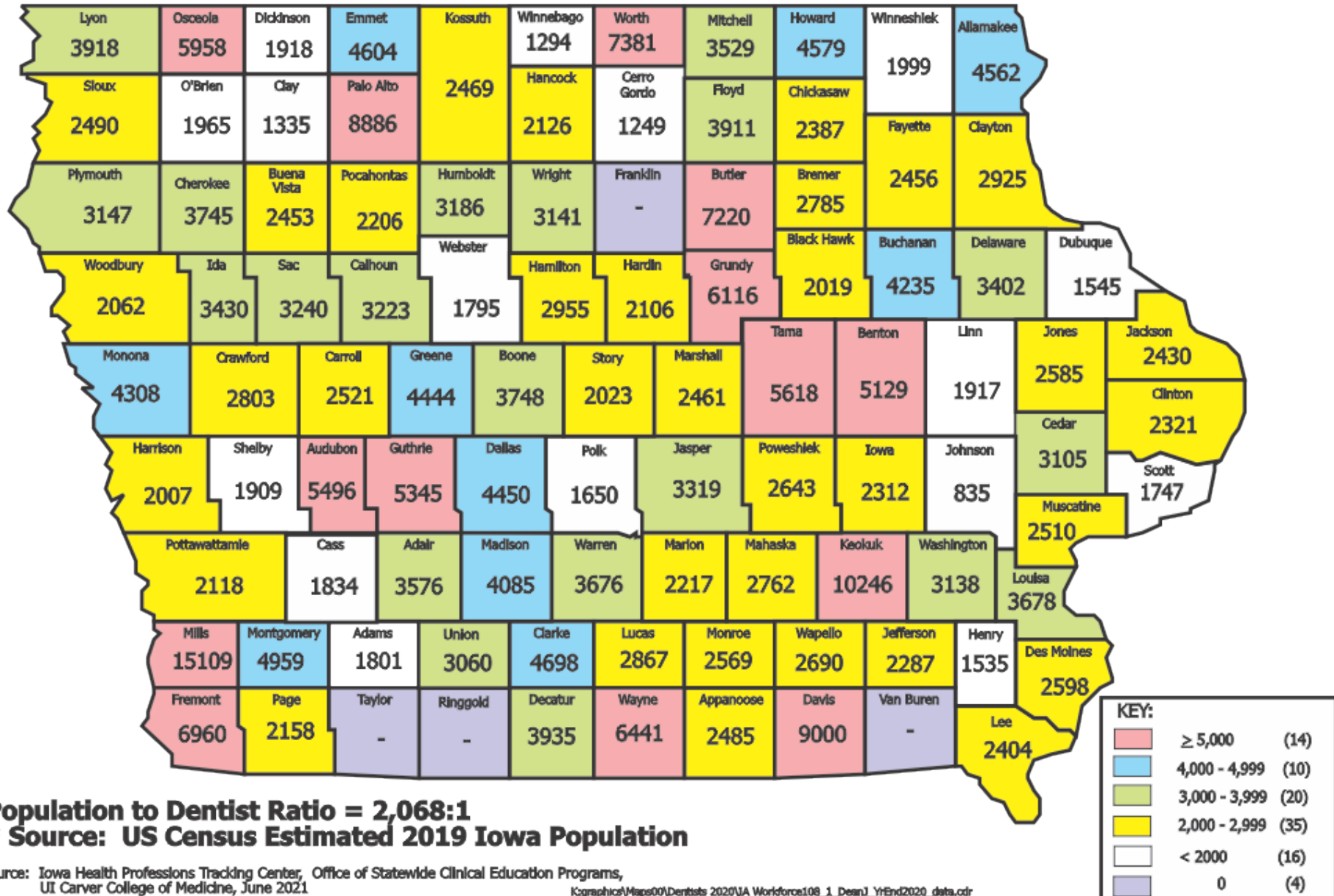
Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, June 2021

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IOWA POPULATION TO DENTIST RATIO*

By County

2020



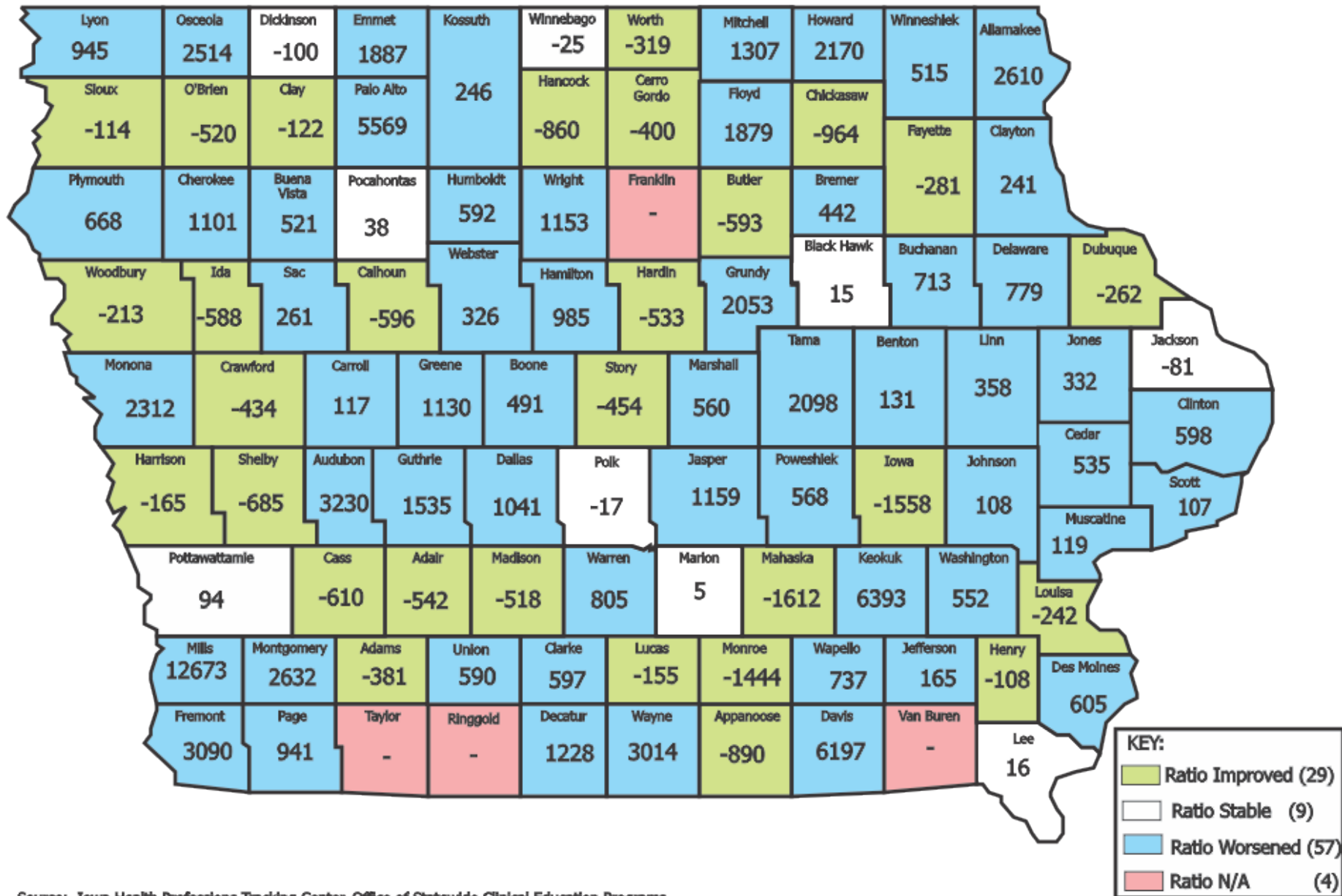
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*** Source: US Census Estimated 2019 Iowa Population**

Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, June 2021

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CHANGE IN COUNTY POPULATION TO DENTIST RATIOS

1997 to 2020



Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, June 2021

IOWA POPULATION TO DENTIST RATIO BY COUNTY

1997 - 2010 - 2020

Area	1997			2010			2020			Change in Population/ Dentists Ratio
	Population	Dentists	Ratio	Population	Dentists	Ratio	Population	Dentists	Ratio	
State of Iowa	2,854,437	1,446	1,974	3,046,355	1,476	2,064	3,156,145	1,526	2,068	94
Mahaska	21,812	5	4,362	22,381	7	3,197	22,000	8	2,750	-1,612
Iowa	15,454	4	3,864	16,355	6	2,726	16,141	7	2,306	-1,558
Monroe	8,082	2	4,041	7,970	3	2,657	7,790	3	2,597	-1,444
Chickasaw	13,427	4	3,357	12,439	4	3,110	11,964	5	2,393	-964
Appanoose	13,509	4	3,377	12,887	5	2,577	12,437	5	2,487	-890
Hancock	12,010	4	3,003	11,341	4	2,835	10,712	5	2,142	-860
Shelby	13,073	5	2,615	12,167	5	2,433	11,578	6	1,930	-685
Cass	14,745	6	2,458	13,956	7	1,994	12,930	7	1,847	-610
Calhoun	11,488	3	3,829	9,670	3	3,223	9,699	3	3,233	-596
Butler	15,724	2	7,862	14,867	3	4,956	14,539	2	7,270	-593
Ida	8,016	2	4,008	7,089	3	2,363	6,841	2	3,421	-588
Adair	8,146	2	4,073	7,682	2	3,841	7,063	2	3,532	-542
Hardin	18,492	7	2,642	17,534	8	2,192	16,868	8	2,109	-533
O'Brien	14,982	6	2,497	14,398	7	2,057	13,840	7	1,977	-520
Madison	13,740	3	4,580	15,679	4	3,920	16,249	4	4,062	-518
Story	74,922	30	2,497	89,542	39	2,296	98,105	48	2,044	-454
Crawford	16,467	5	3,293	17,096	5	3,419	17,158	6	2,860	-434
Cerro Gordo	46,314	28	1,654	44,151	28	1,577	42,647	34	1,254	-400
Adams	4,407	2	2,204	4,029	3	1,343	3,645	2	1,823	-381
Worth	7,772	1	7,772	7,598	2	3,799	7,453	1	7,453	-319
Fayette	21,909	8	2,739	20,880	8	2,610	19,660	8	2,458	-281
Dubuque	88,186	49	1,800	93,653	68	1,377	96,854	63	1,537	-262
Louisa	11,894	3	3,965	11,387	4	2,847	11,169	3	3,723	-242
Woodbury	101,862	45	2,264	102,172	57	1,792	102,539	50	2,051	-213
Harrison	15,288	7	2,184	14,928	4	3,732	14,134	7	2,019	-165
Lucas	9,110	3	3,037	8,898	2	4,449	8,645	3	2,882	-155
Clay	17,594	12	1,466	16,667	13	1,282	16,134	12	1,345	-122
Sioux	31,292	12	2,608	33,704	12	2,809	34,909	14	2,494	-114
Henry	19,824	12	1,652	20,145	7	2,878	20,067	13	1,544	-108
Dickinson	16,048	8	2,006	16,667	9	1,852	17,153	9	1,906	-100
Jackson	20,080	8	2,510	19,848	10	1,985	19,432	8	2,429	-81
Winnebago	12,056	9	1,340	10,866	8	1,358	10,518	8	1,315	-25
Polk	356,245	215	1,657	430,640	262	1,644	487,204	297	1,640	-17
Marion	31,114	14	2,222	33,309	15	2,221	33,407	15	2,227	5
Black Hawk	121,350	60	2,023	131,090	70	1,873	132,408	65	2,037	15
Lee	38,665	16	2,417	35,862	13	2,759	34,055	14	2,433	16
Pocahontas	8,833	4	2,208	7,310	4	1,828	6,740	3	2,247	38
Pottawattamie	85,319	42	2,031	93,158	40	2,329	93,533	44	2,126	94
Scott	157,746	96	1,643	165,224	107	1,544	173,283	99	1,750	107
Johnson	101,921	140	728	130,882	161	813	151,260	181	836	108
Carroll	21,624	9	2,403	20,816	10	2,082	20,154	8	2,519	117

Dentist supply for 22%
of the population and
29 Iowa counties have
improved or remain steady

Steady dentist supply
relative to population
(changes are <100+/-)

IOWA POPULATION TO DENTIST RATIO BY COUNTY 1997 - 2010 - 2020

Area	1997			2010			2020			Change in Population/ Dentists Ratio
	Population	Dentists	Ratio	Population	Dentists	Ratio	Population	Dentists	Ratio	
Carroll	21,624	9	2,403	20,816	10	2,082	20,154	8	2,519	117
Muscatine	40,900	17	2,406	42,745	14	3,053	42,929	17	2,525	119
Benton	24,986	5	4,997	26,076	5	5,215	25,642	5	5,128	131
Jefferson	17,063	8	2,133	16,843	6	2,807	18,381	8	2,298	165
Clayton	18,792	7	2,685	18,129	6	3,022	17,556	6	2,926	241
Kossuth	17,907	8	2,238	15,543	7	2,220	14,908	6	2,485	246
Sac	11,916	4	2,979	10,350	3	3,450	9,719	3	3,240	261
Webster	38,690	26	1,488	38,013	17	2,236	36,277	20	1,814	326
Jones	20,353	9	2,261	20,638	7	2,948	20,744	8	2,593	332
Linn	181,542	113	1,607	211,226	120	1,760	225,909	115	1,964	358
Bremer	23,302	10	2,330	24,276	9	2,697	24,947	9	2,772	442
Boone	26,179	8	3,272	26,306	6	4,384	26,346	7	3,764	491
Winneshiek	20,827	14	1,488	21,056	12	1,755	20,029	10	2,003	515
Buena Vista	19,637	10	1,964	20,260	7	2,894	19,874	8	2,484	521
Cedar	17,990	7	2,570	18,499	8	2,312	18,627	6	3,105	535
Washington	20,886	8	2,611	21,704	8	2,713	22,141	7	3,163	552
Marshall	38,776	20	1,939	40,648	15	2,710	39,981	16	2,499	560
Poweshiek	18,934	9	2,104	18,914	7	2,702	18,699	7	2,671	568
Union	12,499	5	2,500	12,534	4	3,134	12,359	4	3,090	590
Humboldt	10,362	4	2,591	9,815	4	2,454	9,547	3	3,182	592
Clarke	8,229	2	4,115	9,286	3	3,095	9,423	2	4,712	597
Clinton	50,100	29	1,728	49,116	23	2,135	46,518	20	2,326	598
Des Moines	42,096	21	2,005	40,325	22	1,833	39,138	15	2,609	605
Plymouth	24,692	10	2,469	24,986	11	2,271	25,095	8	3,137	668
Buchanan	21,162	6	3,527	20,958	5	7,653	21,199	5	4,240	713
Wapello	35,483	18	1,971	35,625	15	2,375	35,205	13	2,708	737
Delaware	18,444	7	2,635	17,764	8	2,221	17,069	5	3,414	779
Warren	39,784	14	2,842	46,225	14	3,302	51,056	14	3,647	805
Page	17,326	14	1,238	15,932	10	1,593	15,249	7	2,178	941
Lyon	11,968	4	2,992	11,581	4	2,895	11,811	3	3,937	945
Hamilton	16,040	8	2,005	15,673	7	2,239	14,952	5	2,990	985
Dallas	35,783	11	3,253	66,135	13	5,087	90,180	21	4,294	1,041
Cherokee	13,363	5	2,673	12,072	3	4,024	11,321	3	3,774	1,101
Greene	10,083	3	3,361	9,336	3	3,112	8,981	2	4,491	1,130
Wright	14,135	7	2,019	13,229	2	6,615	12,690	4	3,173	1,153
Jasper	35,781	14	2,556	36,842	14	2,632	37,147	10	3,715	1,159
Decatur	8,151	3	2,717	8,457	2	4,229	7,890	2	3,945	1,228
Mitchell	11,081	5	2,216	10,776	5	2,155	10,569	3	3,523	1,307
Guthrie	11,474	3	3,825	10,954	2	5,477	10,720	2	5,360	1,535
Floyd	16,494	8	2,062	16,303	6	2,717	15,761	4	3,940	1,879
Emmet	10,959	4	2,740	10,302	5	2,060	9,253	2	4,627	1,887
Grundy	12,297	3	4,099	12,453	3	4,151	12,304	2	6,152	2,053
Tama	17,681	5	3,536	17,767	4	4,442	16,904	3	5,635	2,098
Howard	9,694	4	2,424	9,566	2	4,783	9,187	2	4,594	2,170
Monona	10,138	5	2,028	9,243	3	3,081	8,679	2	4,340	2,312
Osceola	7,052	2	3,526	6,462	3	2,154	6,040	1	6,040	2,514
Allamakee	14,006	7	2,001	14,330	5	2,866	13,832	3	4,611	2,610
Montgomery	11,849	5	2,370	10,740	3	3,580	10,003	2	5,002	2,632

Dentist supply conditions for
51% of the population and
61 of Iowa counties
has worsened

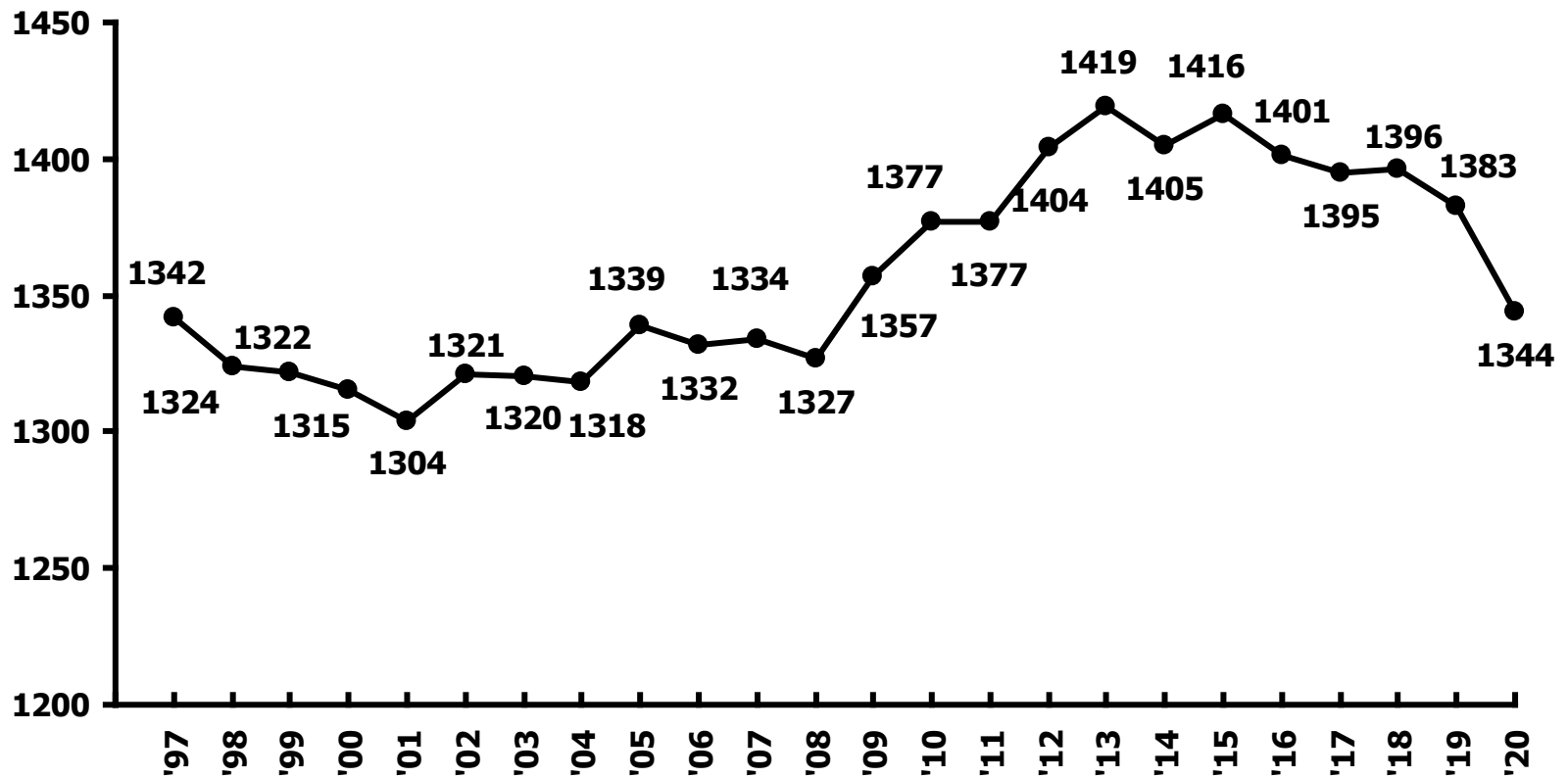
IOWA POPULATION TO DENTIST RATIO BY COUNTY 1997 - 2010 - 2020

Area	1997			2010			2020			Change in Population/ Dentists Ratio
	Population	Dentists	Ratio	Population	Dentists	Ratio	Population	Dentists	Ratio	
Wayne	6,775	2	3,388	6,403	1	6,403	6,401	1	6,401	3,014
Fremont	7,806	2	3,903	7,441	1	7,441	6,993	1	6,993	3,090
Audubon	6,829	3	2,276	6,119	1	6,119	5,506	1	5,506	3,230
Palo Alto	10,081	3	3,360	9,421	1	9,421	8,929	1	8,929	5,569
Davis	8,460	3	2,820	8,753	1	8,753	9,017	1	9,017	6,197
Keokuk	11,496	3	3,832	10,511	3	3,504	10,225	1	10,225	6,393
Mills	14,342	6	2,390	15,059	6	2,510	15,063	1	15,063	12,673
Franklin	10,909	4	2,727	10,680	4	2,670	10,124	0	#DIV/0!	#DIV/0!
Ringgold	5,366	1	5,366	5,131	1	5,131	4,968	0	#DIV/0!	#DIV/0!
Taylor	7,121	2	3,561	6,317	2	3,159	6,191	0	#DIV/0!	#DIV/0!
Van Buren	7,824	1	7,824	7,570	1	7,570	7,020	0	#DIV/0!	#DIV/0!

Population Estimates Data Sets Revised - **1997; 2007;**
2019

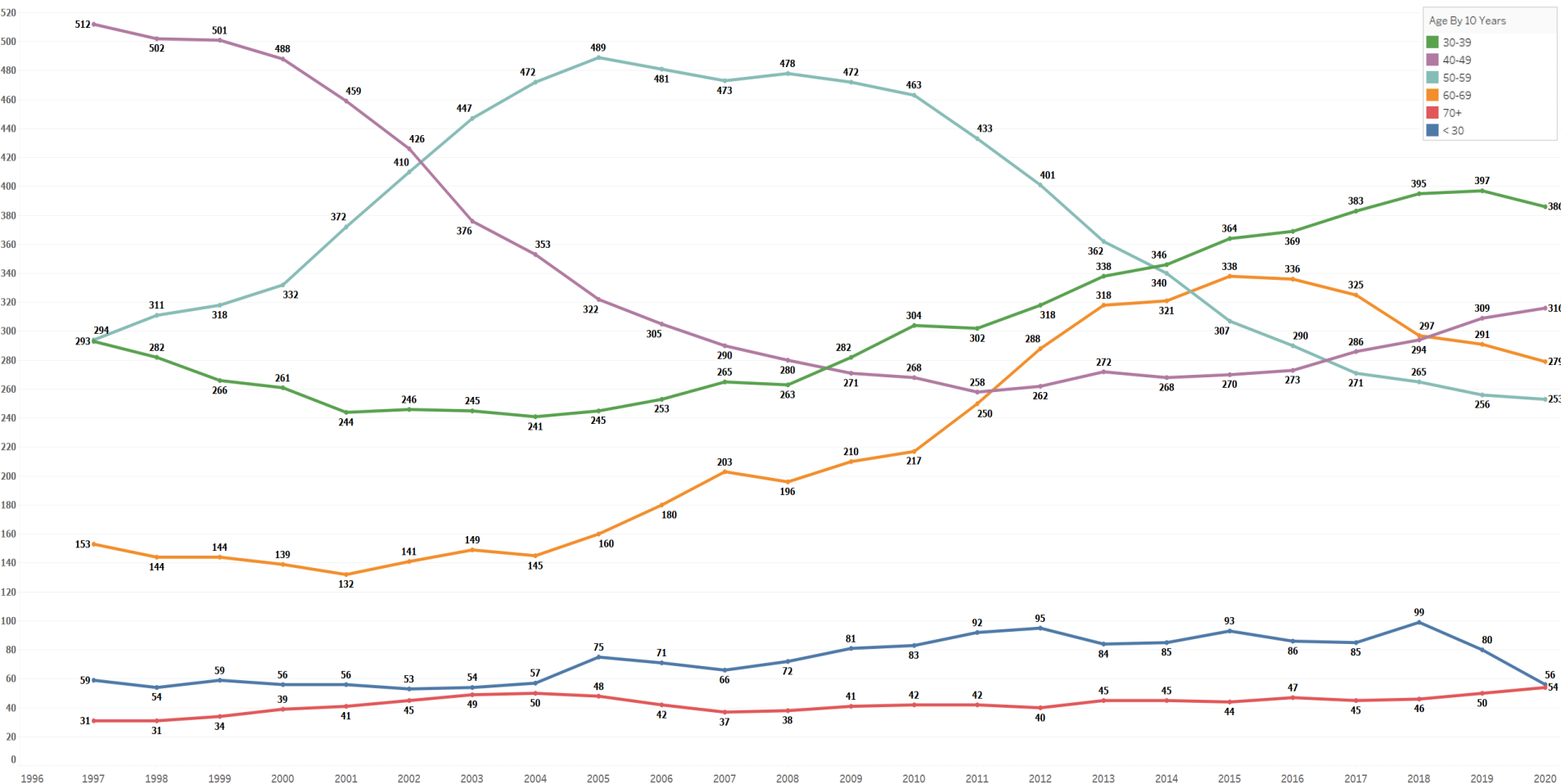
IOWA PRIVATE PRACTICE DENTISTS

1997-2020



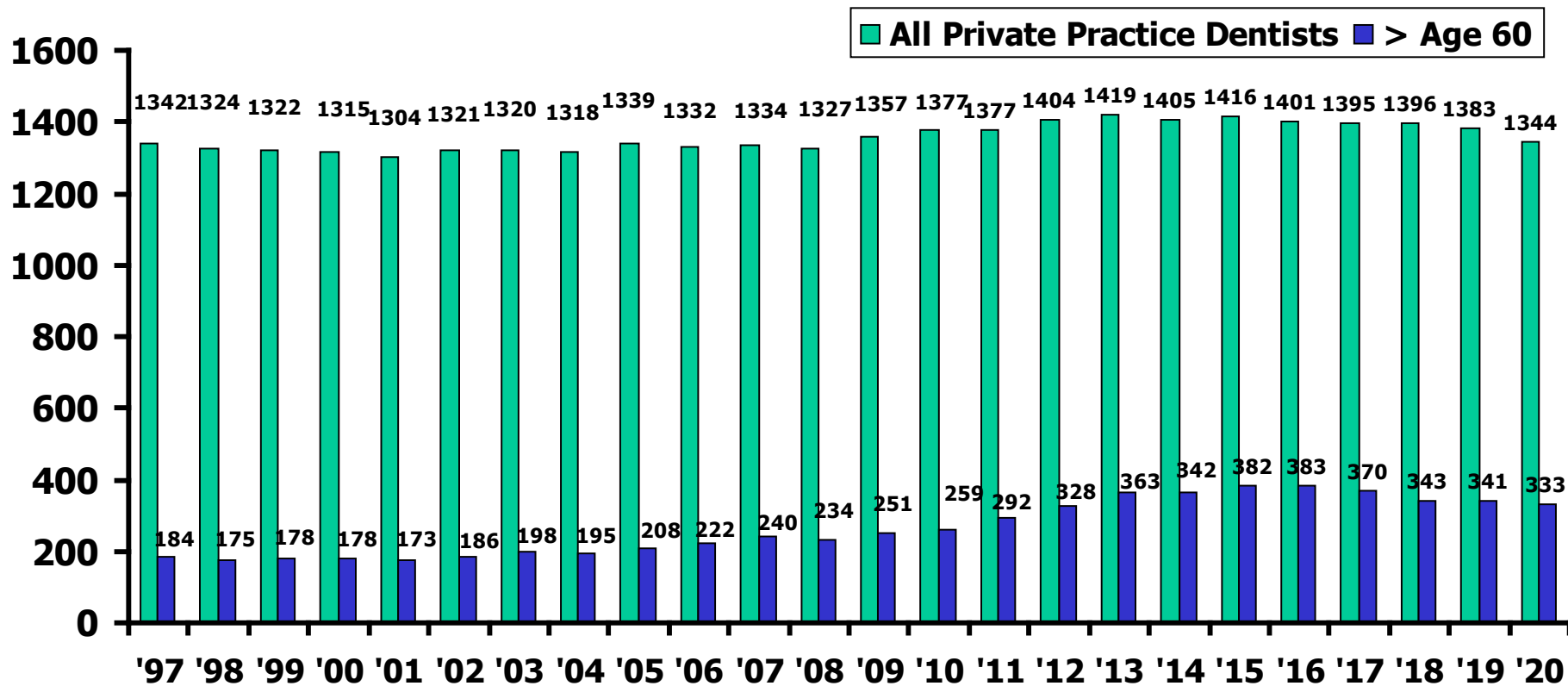
IOWA PRIVATE PRACTICE DENTISTS

Age Distribution Trend 1997-2020



IOWA PRIVATE PRACTICE DENTISTS

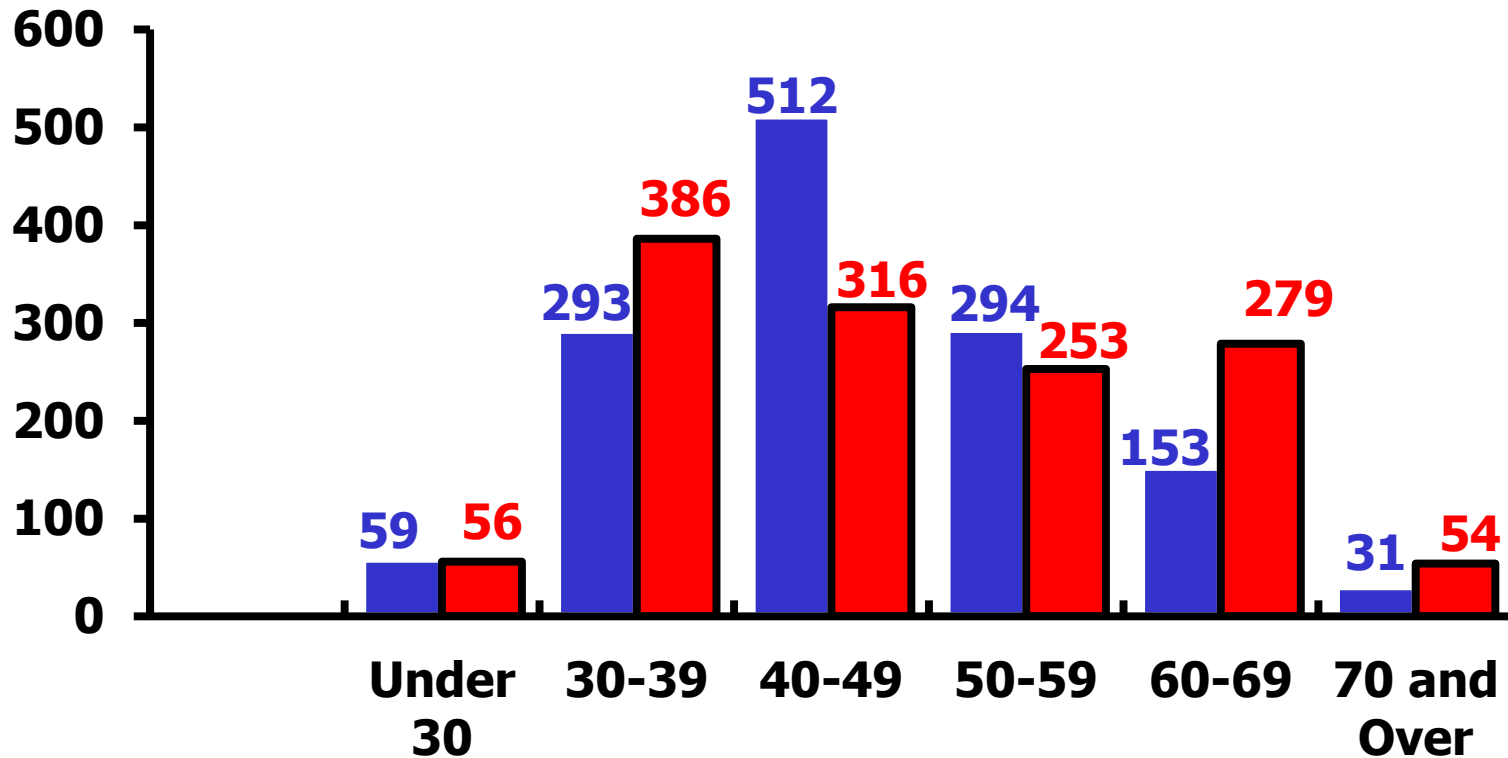
Age \geq 60
1997-2020



IOWA PRIVATE PRACTICE DENTISTS

Age Distribution Comparison

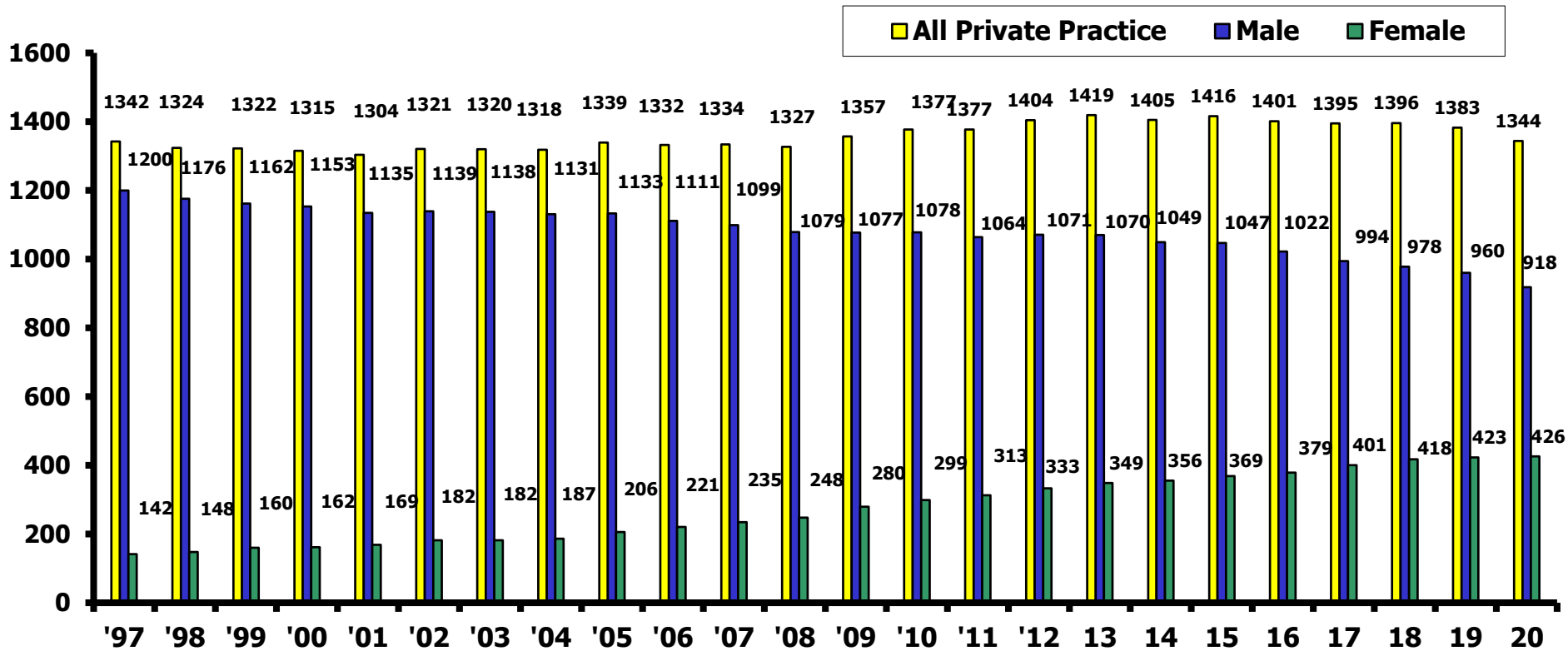
1997-2020



<u>Year</u>	<u>Total Dentists</u>	<u>Average Age</u>
2020	1344	48
1997	1342	47

IOWA PRIVATE PRACTICE DENTISTS

Gender
1997-2020

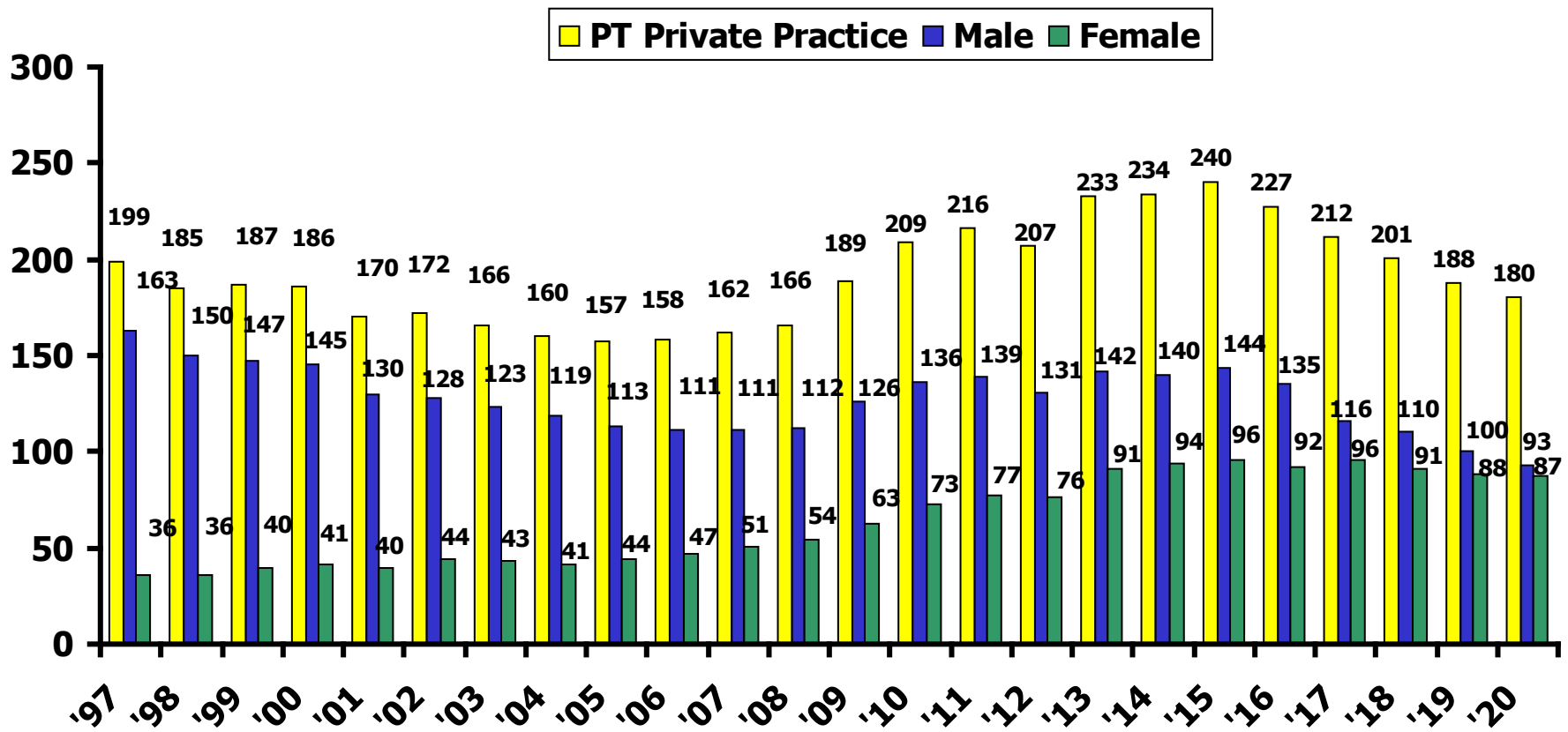


IOWA DENTISTS

Private Practice/Part-Time*

Male vs. Female

1997-2020

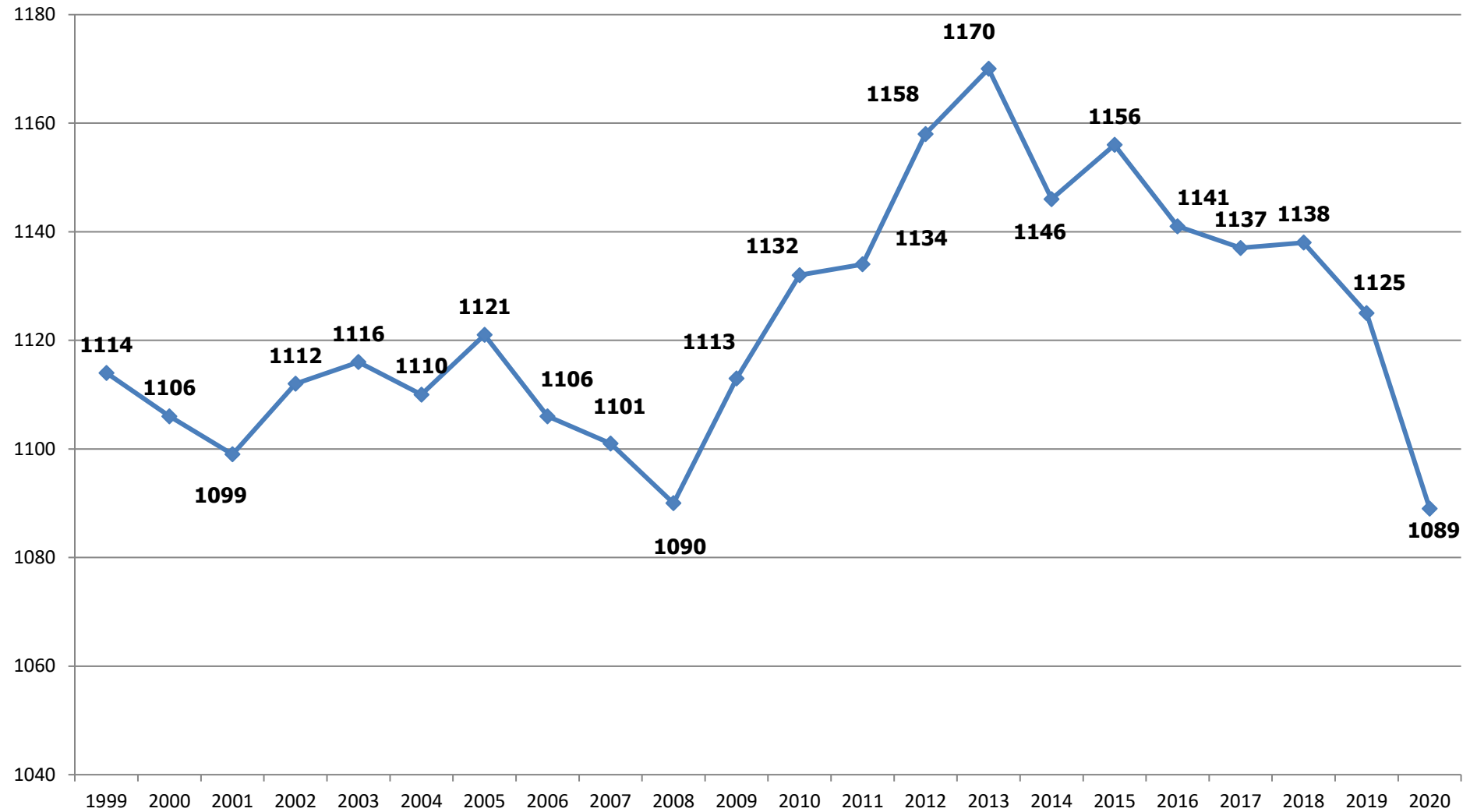


Part-Time < 32*

IOWA PRIVATE PRACTICE DENTISTS

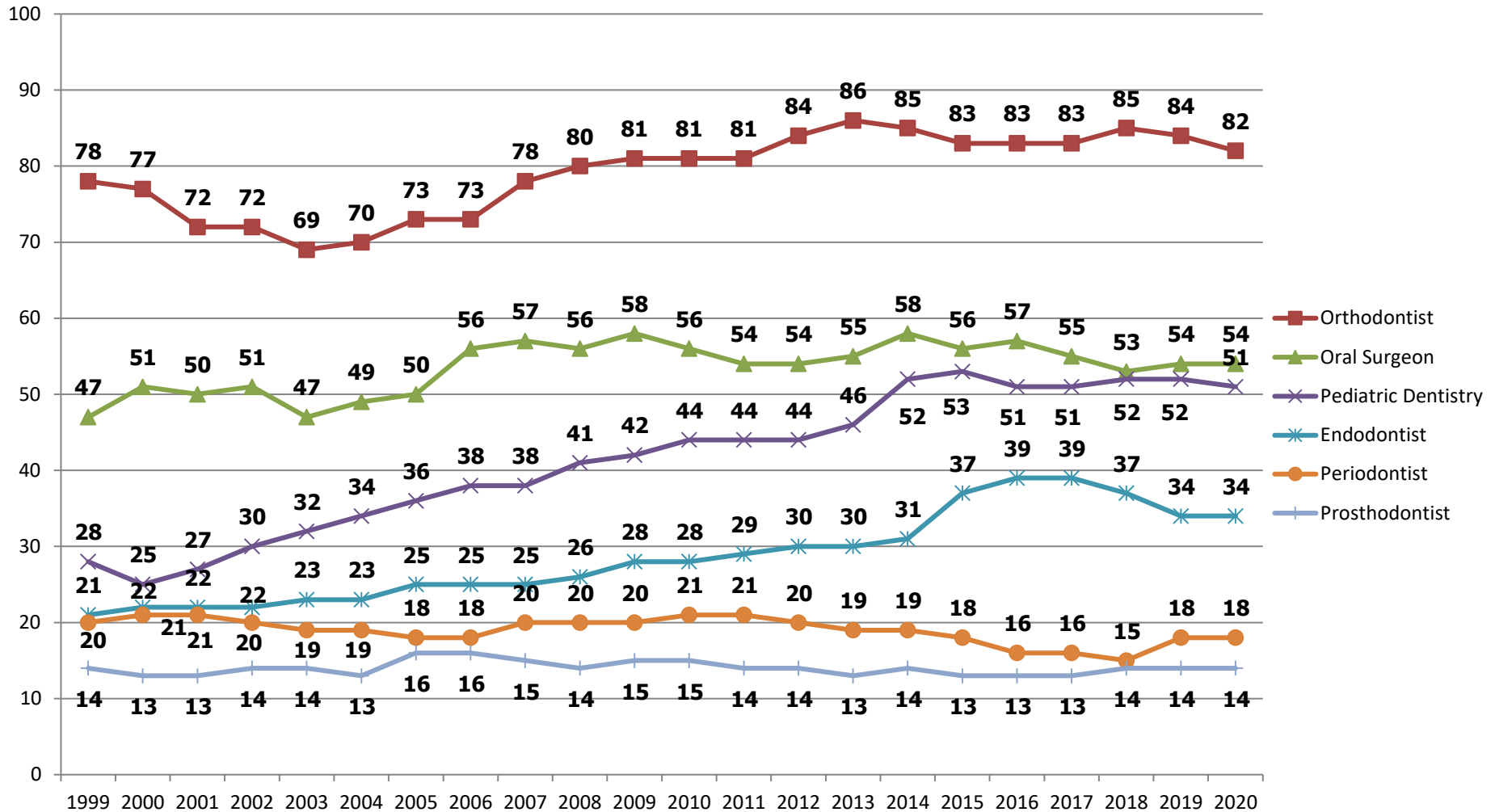
General Practice Trend

1999-2020



IOWA PRIVATE PRACTICE DENTISTS

Specialty Trend 1999-2020



IOWA PRIVATE PRACTICE DENTISTS

Attrition Analysis

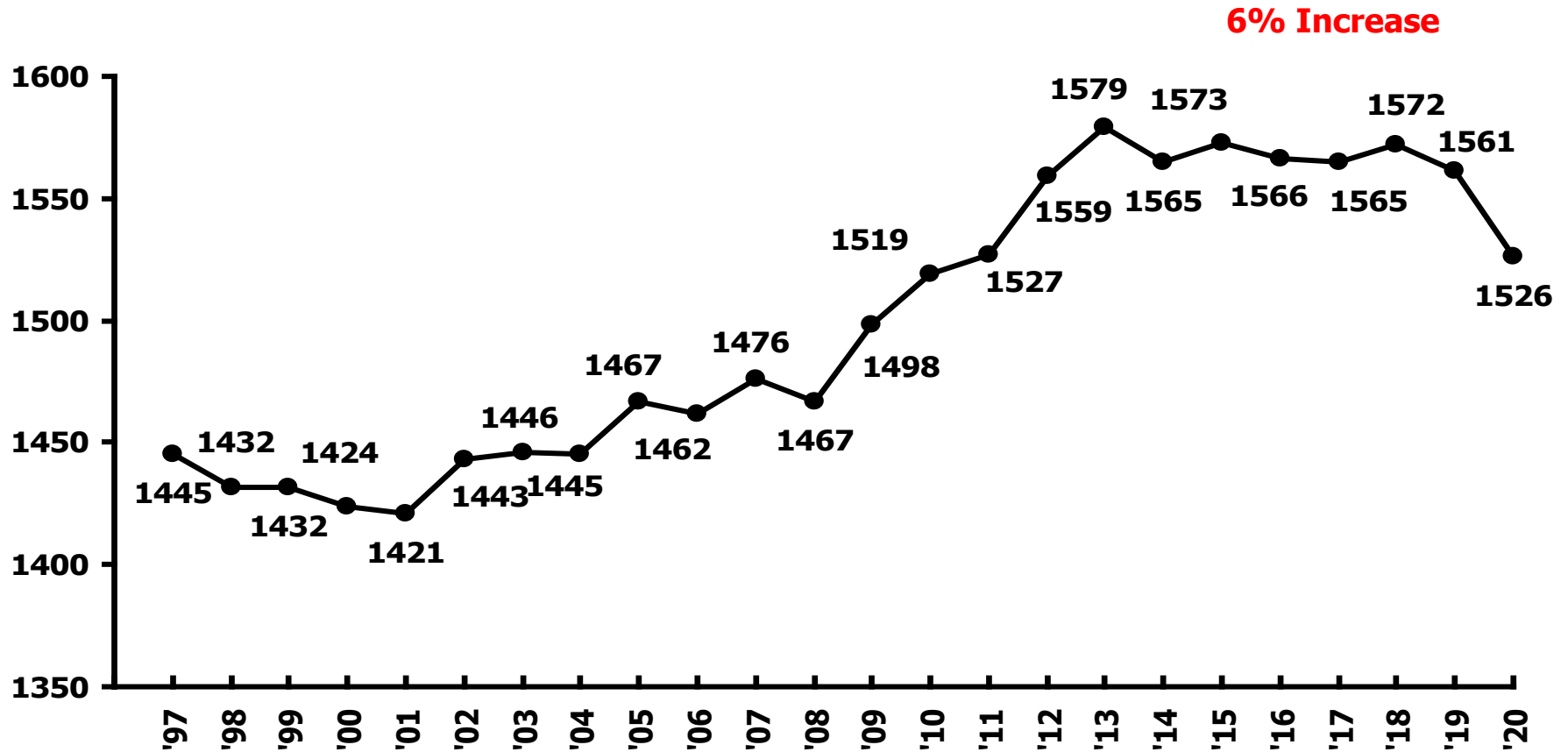
1997-2020

<u>Year</u>	<u>Retirement</u>	<u>Relocation</u>	<u>Death</u>	<u>Health</u>	<u>Training</u>	<u>Inactive</u>	<u>Loss of License</u>	<u>Military</u>	<u>Misc.</u>	<u>Total</u>	<u>UI</u>
1997	27	12	1	-	3	1	-	-	-	44	36
1998	29	17	1	2	1	2	1	-	-	53	39
1999	23	12	2	1	2	-	-	-	-	40	30
2000	28	16	5	3	-	2	1	1	-	56	49
2001	29	13	3	2	1	2	1	-	-	51	41
2002	12	8	3	-	-	-	1	-	-	24	18
2003	19	14	2	1	-	1	-	2	-	39	22
2004	25	9	2	2	3	2	-	-	1	44	36
2005	16	15	3	-	1	4	-	-	-	39	28
2006	32	13	1	-	3	2	-	-	-	51	37
2007	26	10	3	1	-	-	1	-	-	41	29
2008	36	17	1	-	1	5	-	1	-	61	51
2009	22	16	1	-	2	2	-	-	1	44	32
2010	31	14	2	-	-	3	1	-	-	51	37
2011	28	22	1	1	1	5	1	-	-	59	40
2012	28	13	4	-	1	2	2	-	-	50	41
2013	21	12	2	-	1	1	2	-	-	39	29
2014	45	25	1	2	3	8	1	-	-	85	62
2015	33	18	3	1	-	5	-	-	0	60	40
2016	34	19	3	1	2	7	1	-	3	70	46
2017	43	15	4			4	4	-	2	72	50
2018	52	17	2	-	4	2	-	-	24	101	70
2019	31	10	1	-	2	5	-	-	4	53	32
2020	40	2	1	-	-	2	1	-	1	47	38
Total	710	339	52	17	31	65	17	4	36	1274	933

Annual Average **30.9** **14.7** **2.3** **0.7** **1.3** **2.8** **0.7** **0.2** **1.6** **55.4** **40.6**

ALL ACTIVE IOWA DENTISTS

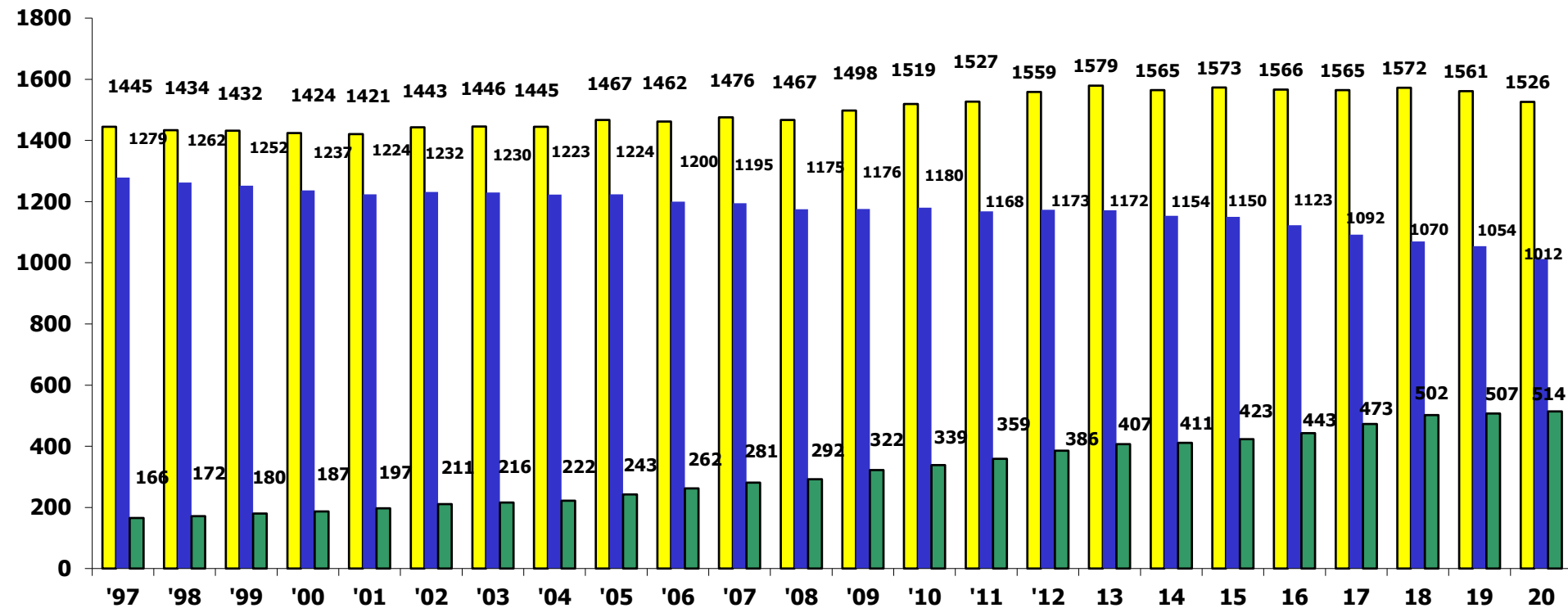
1997 - 2020



IOWA DENTISTS

Gender
1997-2020

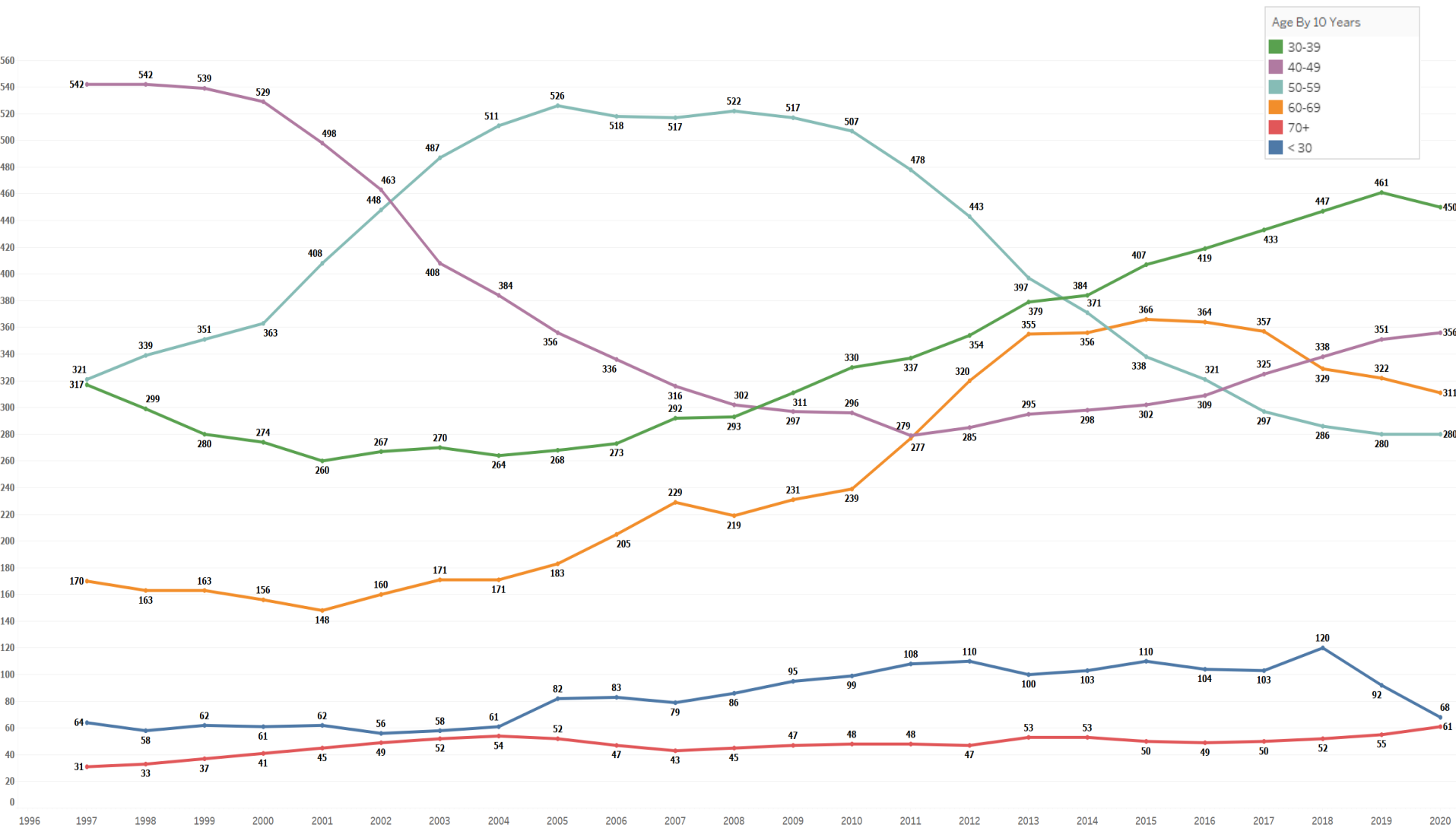
All Iowa Dentists Male Female



IOWA DENTISTS

Age Distribution Trend

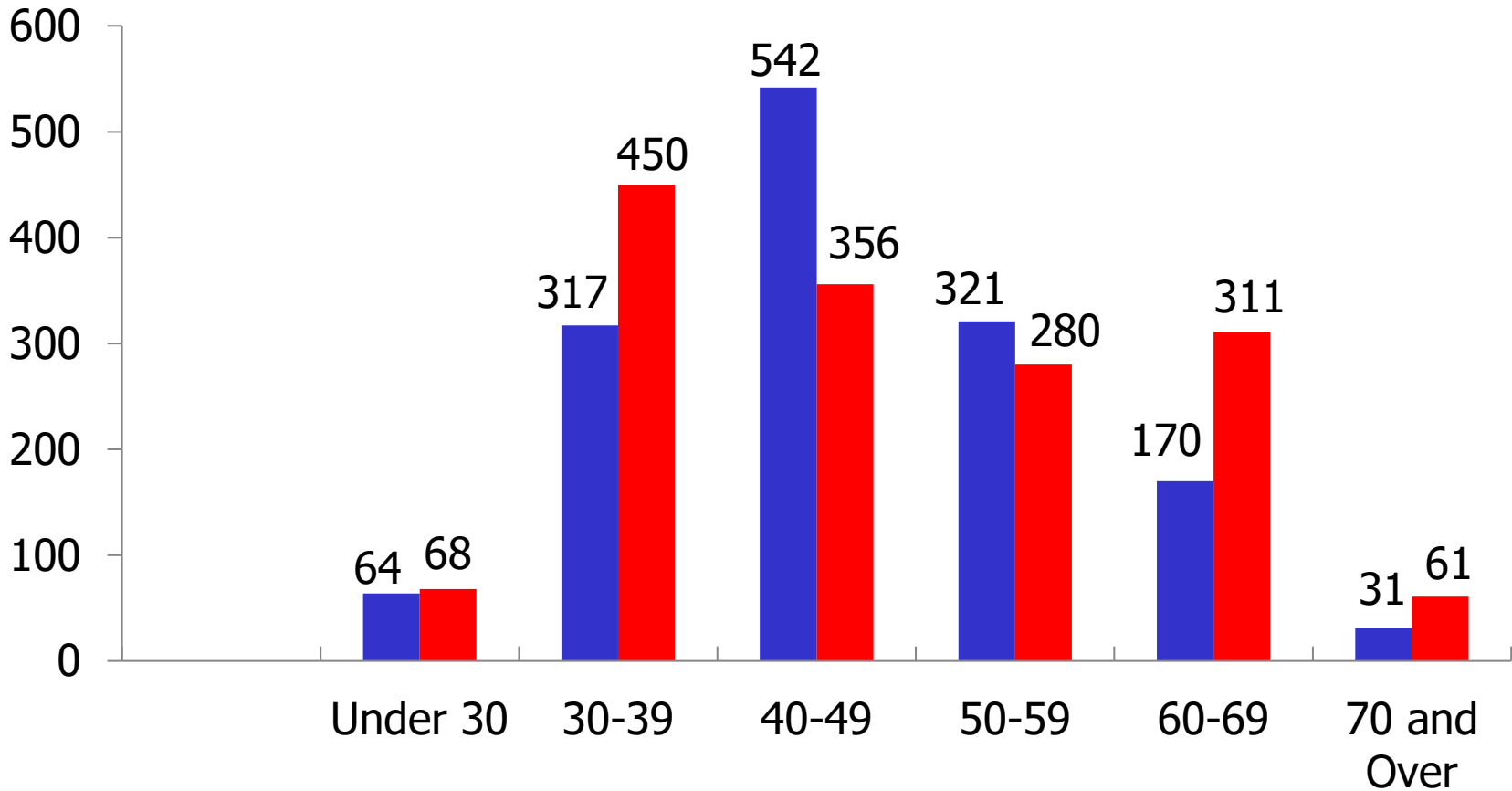
1997-2020



All IOWA DENTISTS

Age Distribution Comparison

1997-2020

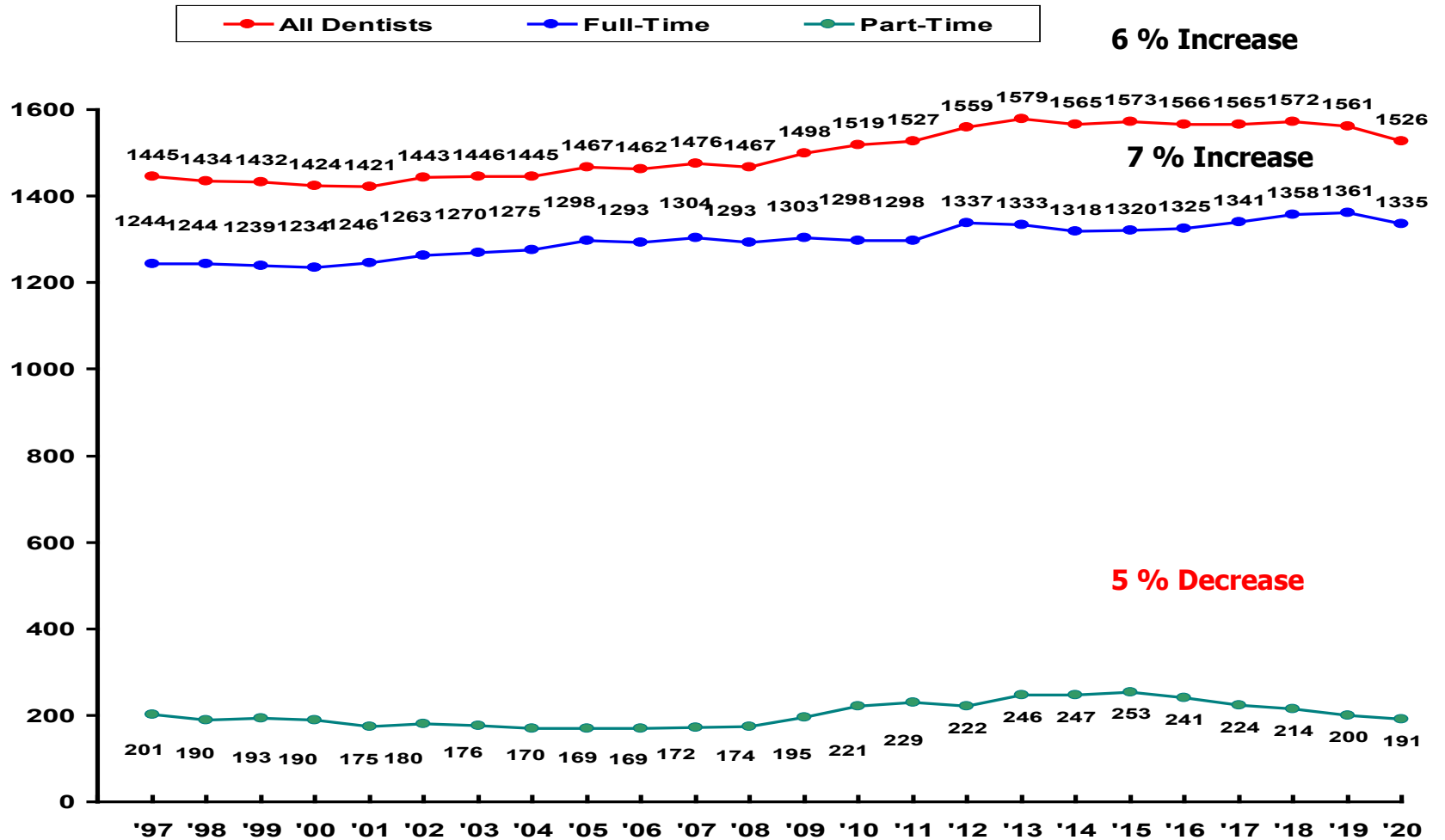


<u>Year</u>	<u>Total Dentists</u>	<u>Average Age</u>
2020	1526	48
1997	1445	47

ALL IOWA DENTISTS

Full-Time vs. Part-Time*

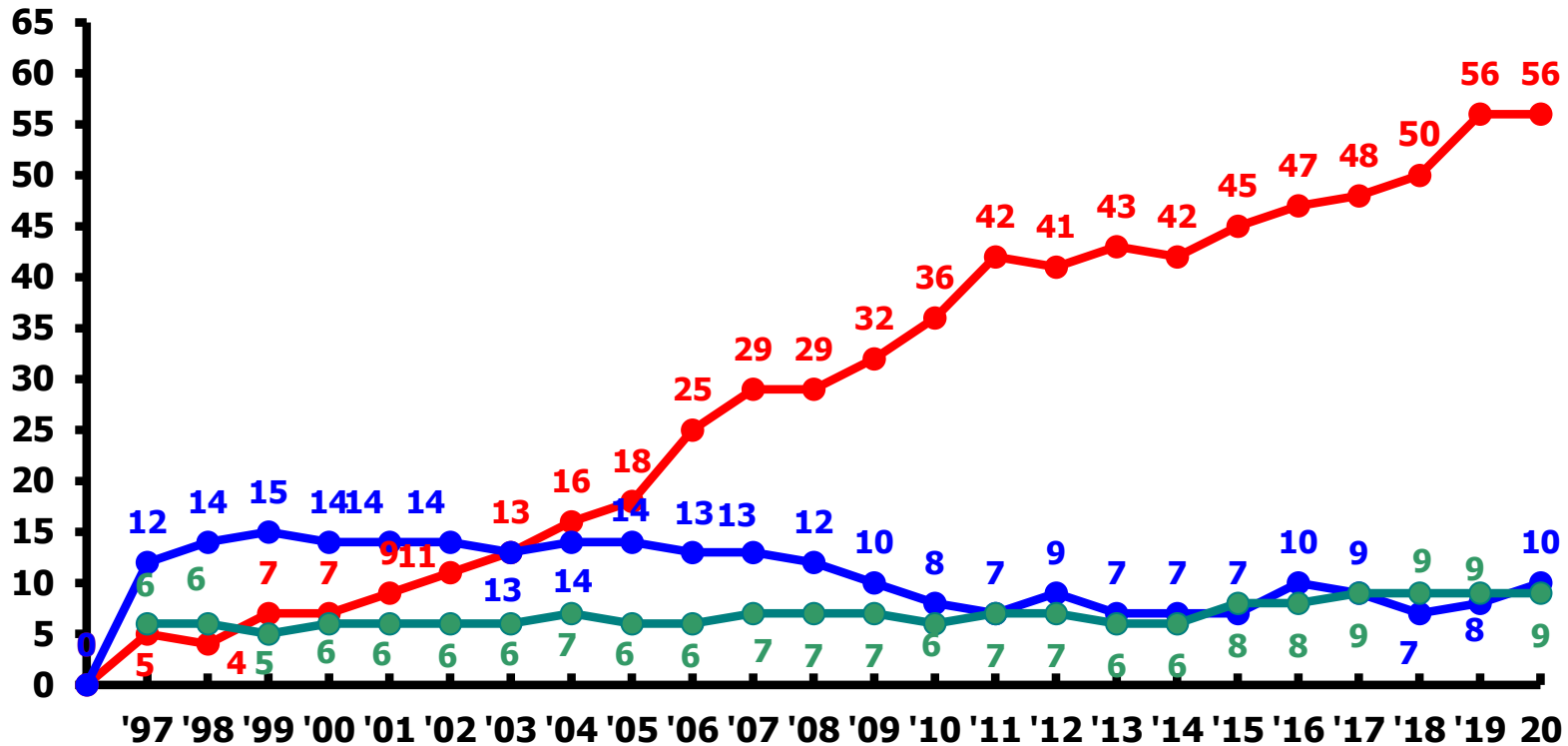
1997-2020



* Part-Time <32 hours

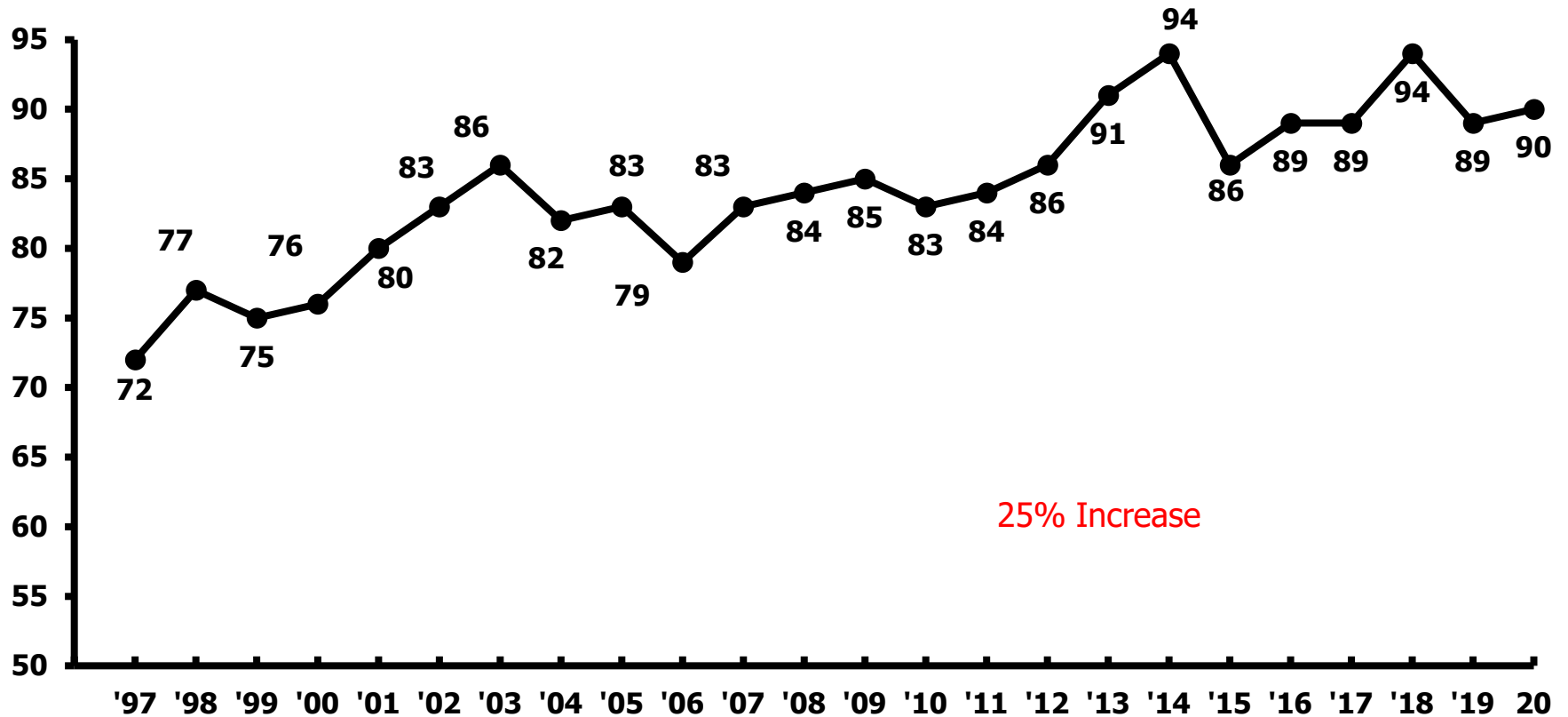
IOWA DENTISTS

Select Principal Professional Activities 1997-2020



ACTIVE IOWA DENTISTS

Professional Activity Dental School Faculty
1997 - 2020

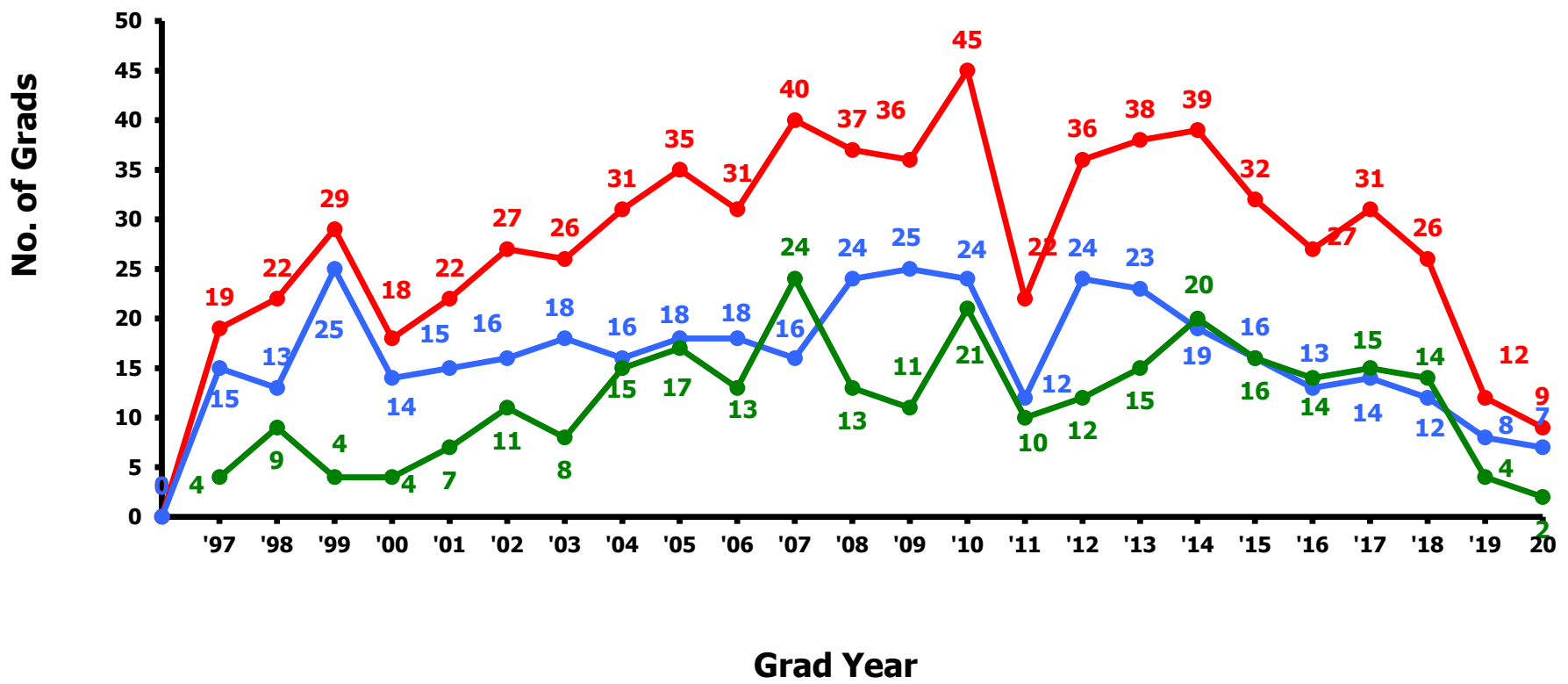


25% Increase

UI DENTAL GRADUATES NOW IN IOWA

By Graduation Year and Gender

1997-2020



Grad Year

IOWA DENTISTS

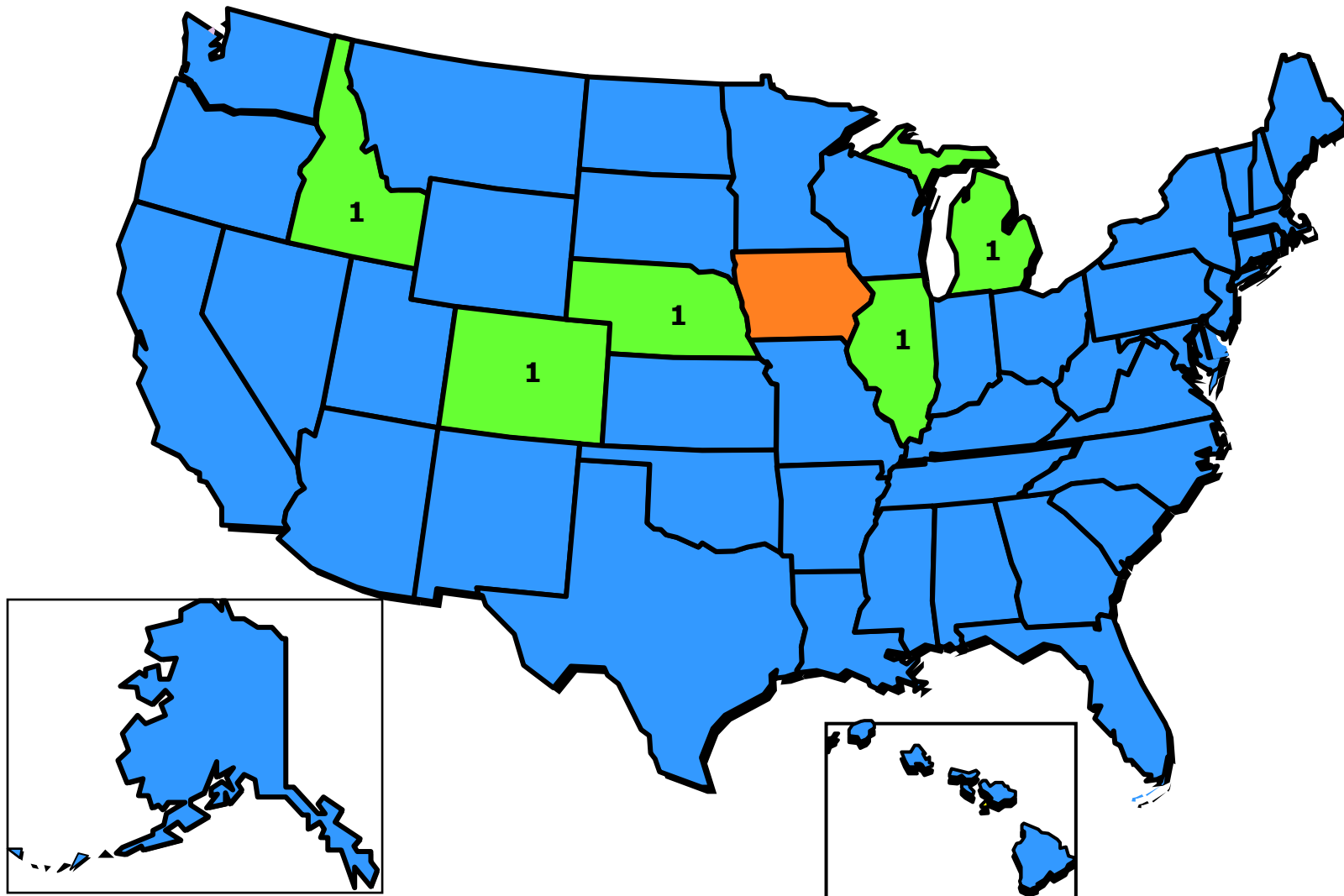
Attrition Analysis

1997-2020

<u>Year</u>	<u>Retirement</u>	<u>Relocation</u>	<u>Death</u>	<u>Health</u>	<u>Training</u>	<u>Inactive</u>	<u>Loss of License</u>	<u>Military</u>	<u>Misc.</u>	<u>Total</u>	<u>UI Grads</u>
1997	32	13	1	-	3	1	-	-	-	50	39
1998	29	18	1	2	1	2	1	-	-	54	40
1999	27	20	2	1	2	-	-	-	-	52	37
2000	32	19	5	3	-	2	1	1	-	63	55
2001	32	14	3	2	1	2	1	1	-	56	44
2002	13	12	4	-	-	-	2	-	-	31	25
2003	21	17	2	1	-	1	-	2	-	44	23
2004	26	16	3	2	3	2	-	-	1	53	39
2005	21	19	3	-	1	4	-	-	-	48	31
2006	34	17	1	-	3	3	-	-	-	58	42
2007	28	15	3	1	-	1	1	-	-	49	33
2008	39	20	3	-	1	6	-	1	1	71	55
2009	28	21	4	-	2	2	-	-	1	58	38
2010	36	17	3	-	1	4	1	-	-	62	45
2011	30	28	1	1	1	5	1	-	-	67	42
2012	30	18	5	-	1	3	2	-	-	59	42
2013	25	16	3	-	2	1	2	-	-	49	35
2014	50	30	2	2	3	9	1	-	-	97	71
2015	45	27	3	1	-	5	-	-	-	81	46
2016	41	21	3	1	3	14	1	-	3	87	52
2017	47	19	4	-	-	6	4	-	3	83	59
2018	56	19	2	-	5	3	-	-	29	114	79
2019	34	17	2	-	1	6	-	-	6	66	39
2020	<u>40</u>	<u>5</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>1</u>	<u>-</u>	<u>2</u>	<u>51</u>	<u>39</u>
Total	796	438	64	17	34	84	19	5	46	1503	1050
Annual Average	34.6	19.0	2.8	0.7	1.5	3.7	0.8	0.2	2.0	65.3	45.7

RELOCATION OF IOWA DENTISTS IN US (5)

2020



*** 1 Dentist relocated outside the United States**