IOWA DENTIST TRACKING SYSTEM

Advisory Committee Meeting 2022

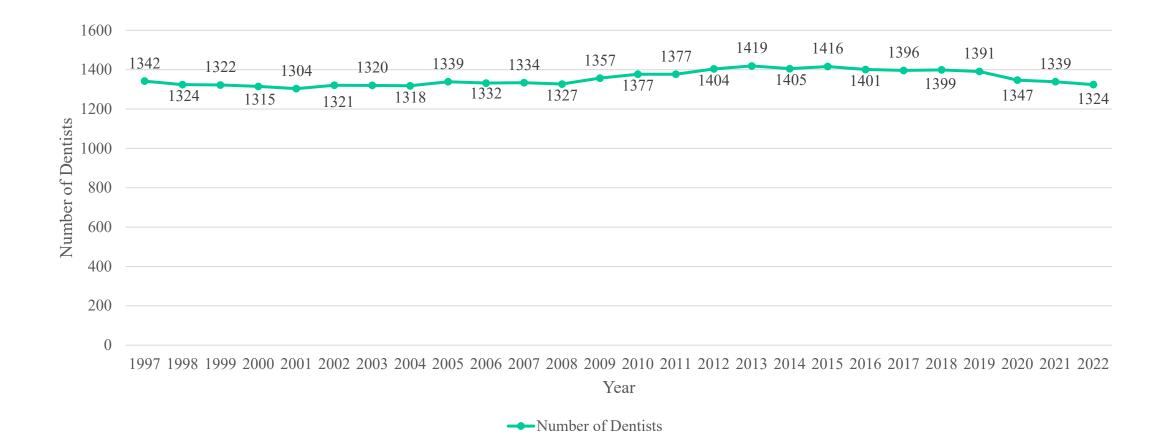
Office of Statewide Clinical Education Programs Iowa Health Professions Tracking Center Carver College of Medicine The University of Iowa

Private Practice Iowa Dentists

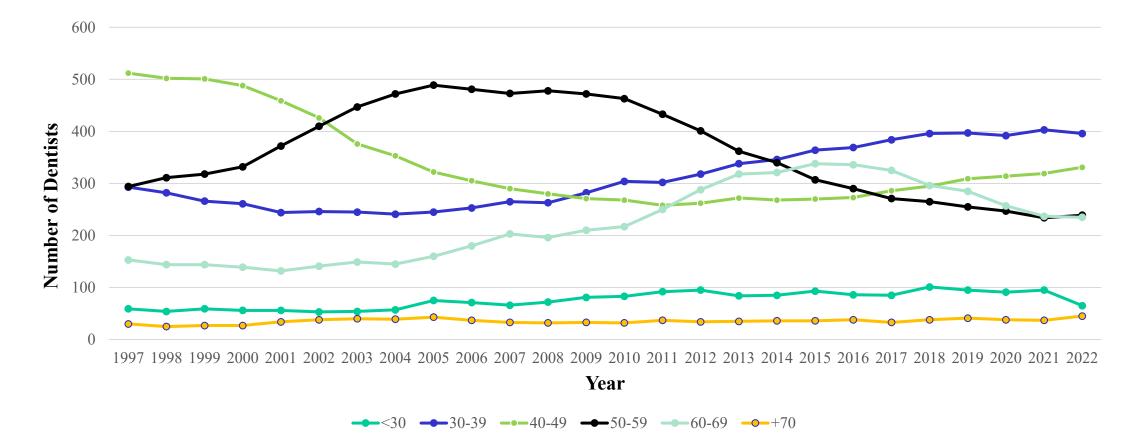
Annual Workforce Report

Date	Dentists
December 2022	1324
January 2022	1339
Net Gain / Loss	-15

1997 - 2022



Age Distribution Trend 1997 - 2022

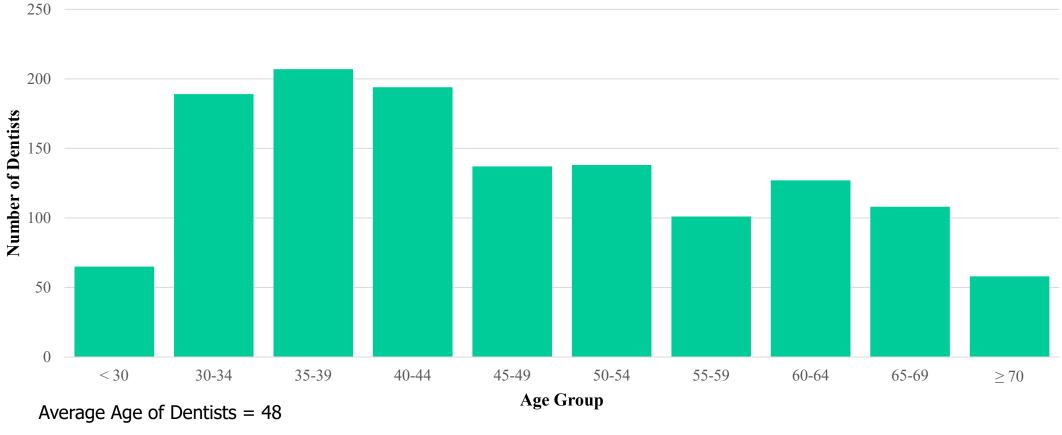


Age Distribution 2022

Age Category	Dentists	% of Priv. Practice Dentists (1,324)	Cumulative %
< 30	65	4.9	4.9
30 – 39	396	29.9	34.8
40 - 49	331	25.0	59.8
50 – 59	239	18.1	77.9
60 - 69	235	17.7	95.6
>= 70	58	4.4	100.0

K:Graphics/PowerPoint/Dentists/2022DDSYrEnd/146.PPTX

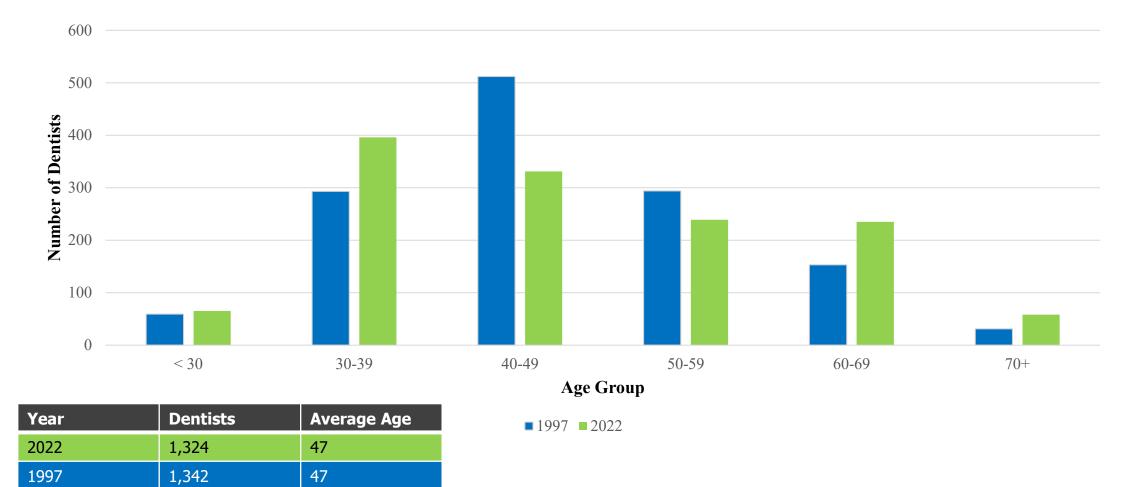
Age Distribution 2022



Median Age of Dentists = 48

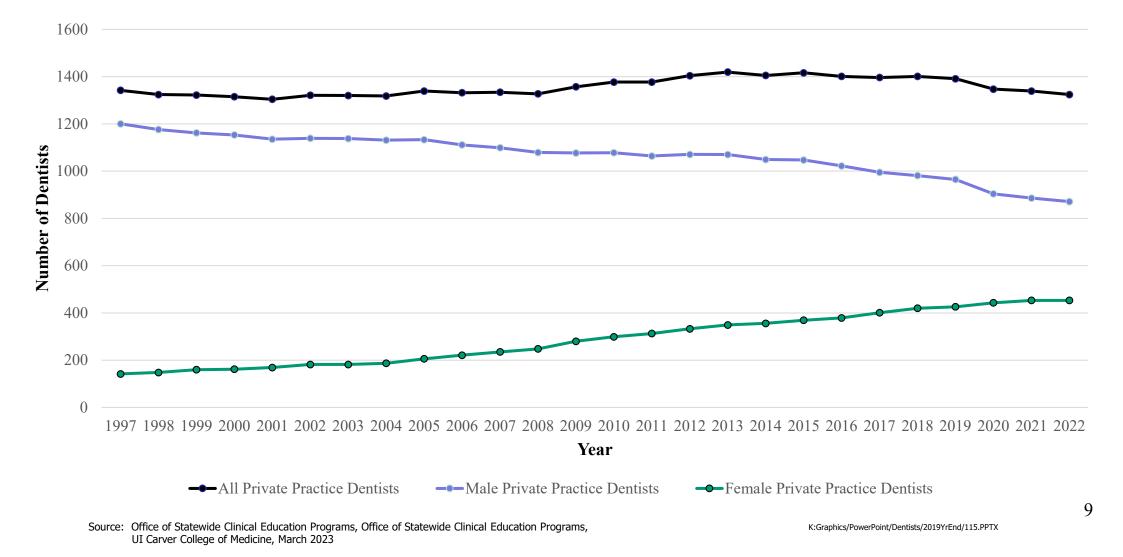
Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

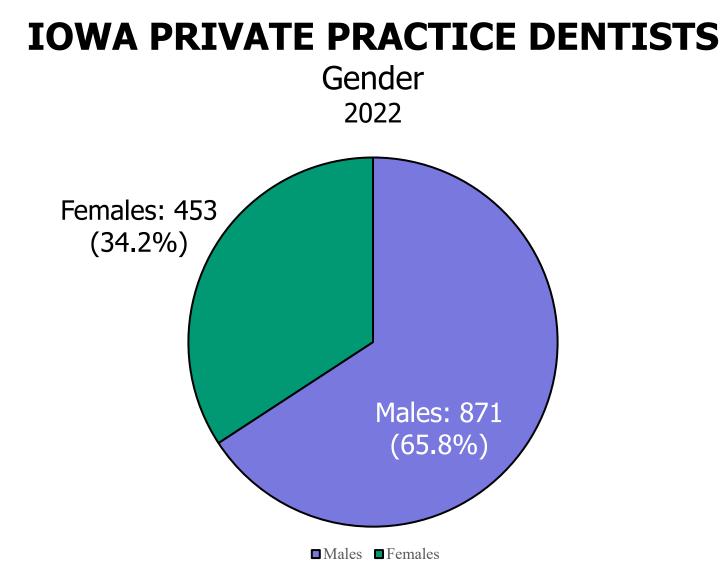
Age Distribution Comparison 1997 vs 2022



Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

Gender 1997-2022





Gender Age Distribution

Age Category	Male Dentists	% of Priv. Practice Dentists (1,324)	Female Dentists	% of Priv. Practice Dentists (1,324)
< 30	36	2.7	29	2.2
30 – 39	220	16.6	176	13.3
40 - 49	190	14.4	141	10.6
50 – 59	179	13.5	60	4.5
60 - 69	190	14.4	45	3.4
>= 70	56	4.2	2	0.2
Total	871	65.8	453	34.2

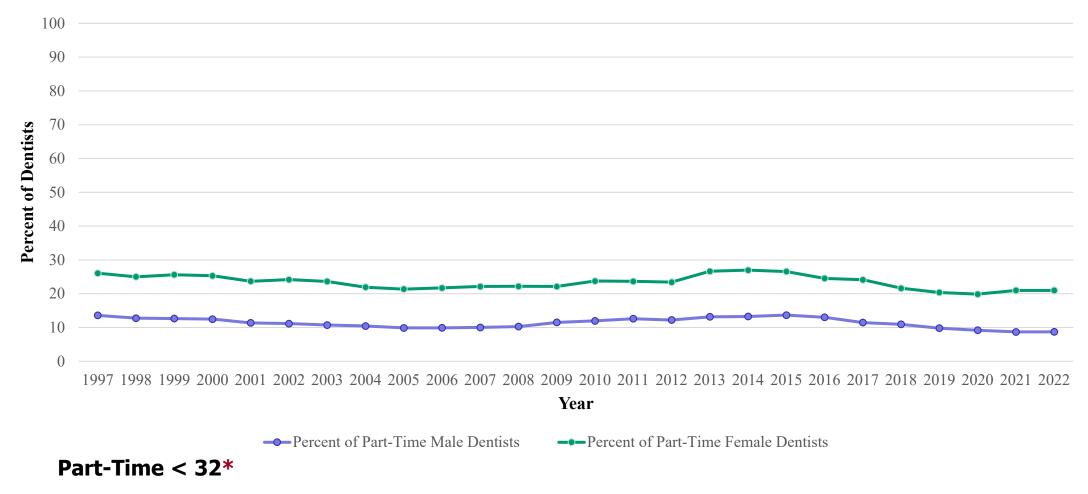
Full-Time vs. Part-Time

FTE	Dentists	% of Priv. Practice Dentists (1,324)
Full-Time (>= 32 Hours FTE)	1153	87.1%
Part-Time (< 32 Hours FTE)	171	12.9%
Total	1324	100%

Part-Time by Age 2022

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of Priv. Practice Dentists (1,324)
< 30	5	0.4
30 – 34	17	1.3
35 – 39	23	1.7
40 - 44	29	2.2
45 – 49	14	1.1
50 – 54	19	1.4
55 – 59	11	0.8
60 - 64	17	1.3
65 – 69	16	1.2
>= 70	20	1.5

Proportion of Part-Time* By Gender 1997 - 2022



Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

K:Graphics/PowerPoint/Dentists/2019YrEnd/158.PPTX

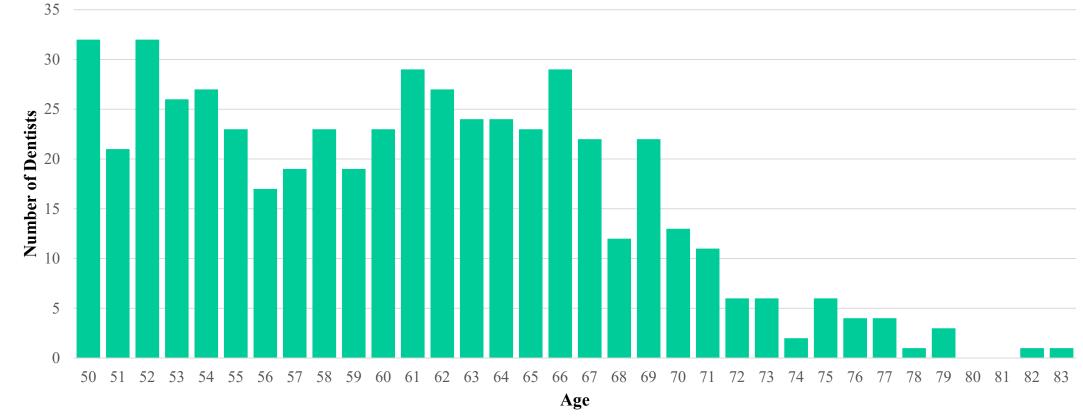
Females Part-Time by Age

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of Female Dentists (453)	% of Priv. Practice Dentists (1,324)
< 30	1	0.2	0.1
30 – 34	12	2.6	1.0
35 – 39	21	4.6	1.6
40 – 44	22	4.9	1.7
45 – 49	10	2.2	0.8
50 – 54	7	1.5	0.8
55 – 59	7	1.5	0.5
60 - 64	9	2.0	0.7
65 – 69	5	1.1	0.4
>= 70	1	0.2	0.2

Males Part-Time by Age

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of Male Priv. Practice Dentists (871)	% of Priv. Practice Dentists (1,324)
< 30	4	0.5	0.3
30 – 34	5	0.6	0.4
35 – 39	2	0.2	0.2
40 – 44	7	0.8	0.5
45 – 49	4	0.5	0.3
50 – 54	12	1.4	0.9
55 – 59	4	0.5	0.3
60 - 64	8	0.9	0.6
65 – 69	11	1.3	0.8
>= 70	19	2.2	1.4

Detail of age \geq 50 2022



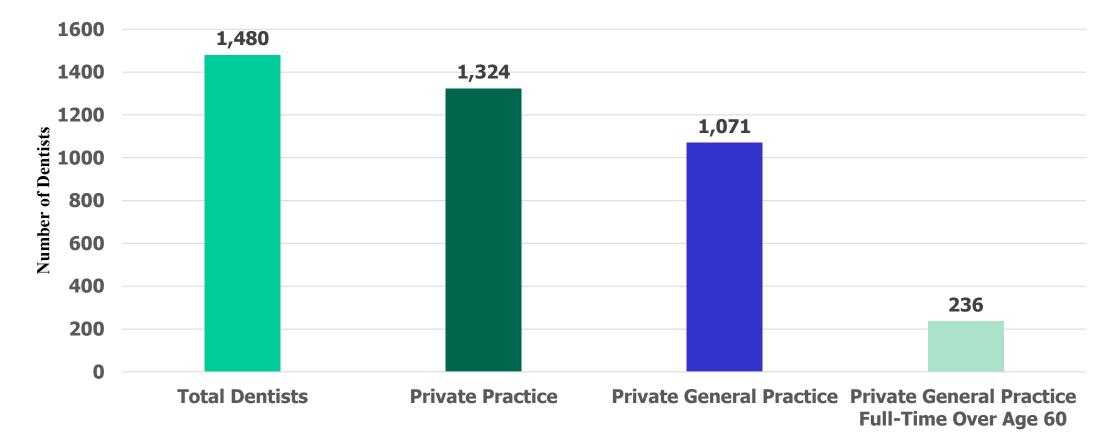
Total number of dentists 50 years of age and older = 532

Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

Distribution by Community Size 2022

Community Population	No. of Communities	No. of Communities With a Dentist	Dentists	% of All Dentists (1,324)
< 1,000	65	12	14	1.1
1,000 - 4,999	150	82	167	12.6
5,000 - 9,999	40	40	183	13.8
10,000 - 49,999	31	31	361	27.3
59,999 – 99,999	8	8	360	27.2
>= 100,000	3	3	218	16.5
Total	297	176	1,303	98.4%

Selected Workforce Statistics 2022

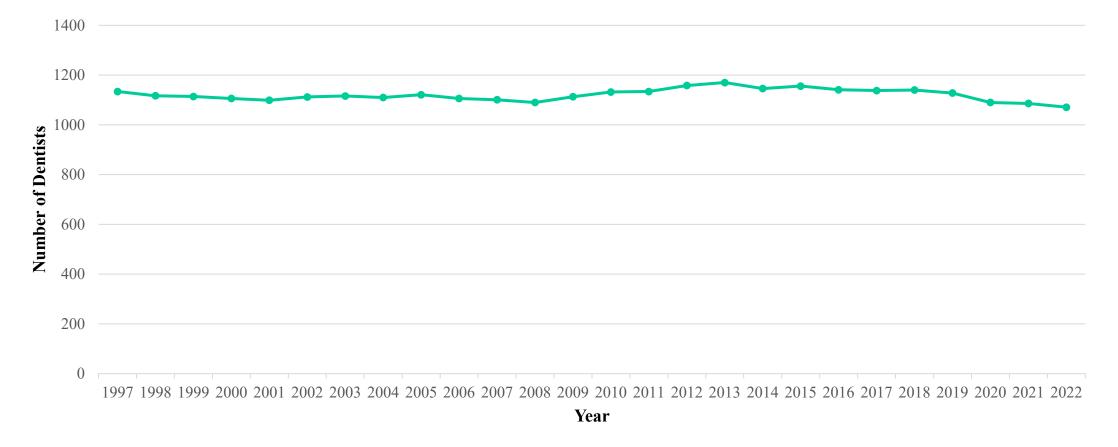


Population to Dentist Ratio = 2,157:1 Source: US Census Decennial 2020 Iowa Population

Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

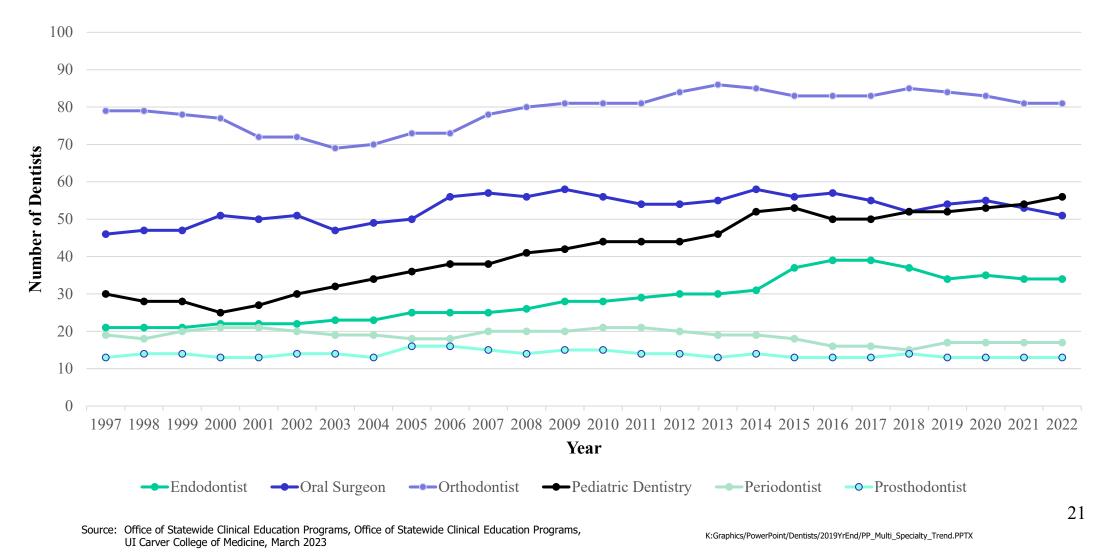
IOWA PRIVATE PRACTICE DENTISTS

General Practice 1997 - 2022



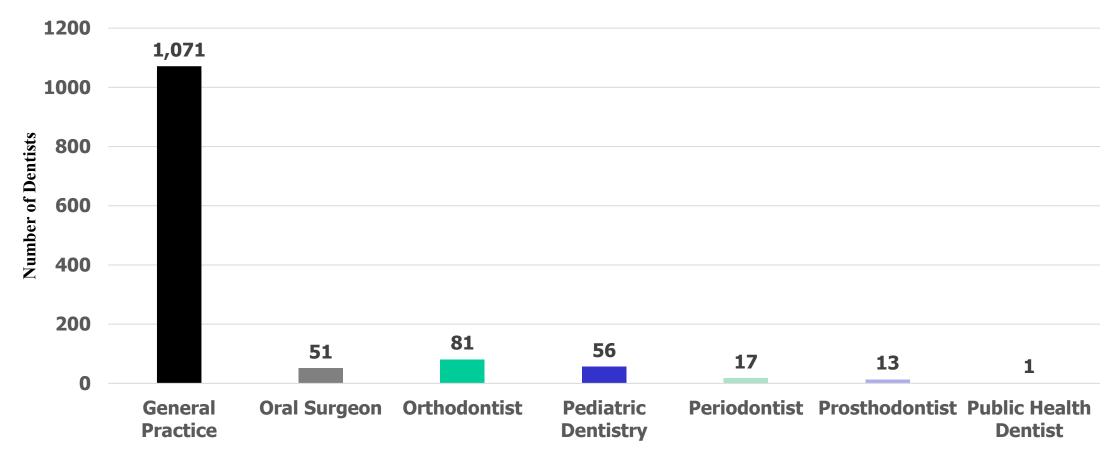
IOWA PRIVATE PRACTICE DENTISTS

Select Specialty Trend 1999 - 2022



IOWA PRIVATE PRACTICE DENTISTS (1,324)

Specialties 2022



Practice Arrangements

Practice Arrangement	Dentists	% of Priv. Practice Dentists (1324)
Solo Practice	439	33.2
2 Member Partnership / Association	320	24.2
Multi-Site Dental Group	195	14.7
3-4 Member Group / Single Specialty	183	13.8
Corporate	106	8.0
5-6 Member Group / Single Specialty	45	3.4
5-6 Member Group / Multi-Specialty	15	1.1
3-4 Member Group / Multi-Specialty	11	0.8
Other	10	0.8

Practice Arrangements for Dentists Ages 60 and Older 2022

Practice Arrangement	Dentists	% of Priv. Practice Dentists (1324)
Solo Practice	145	10.9
2 Member Partnership / Association	63	4.8
Multi-Site Dental Group	39	2.9
3-4 Member Group / Single Specialty	24	1.8
Corporate	13	1.0
5-6 Member Group / Single Specialty	5	0.4
5-6 Member Group / Multi-Specialty	4	0.3

University of Iowa Education Experience

2022

UI Education Experience	Dentists	% of Priv. Practice Dentists (1,324)
Dental School Only	941	63.6
Dental School and Additional Training	142	9.6
Additional Training Only*	55	3.7
Total	1138	76.9

* Includes Residency, Fellowship and Certification Programs

Iowa Birth and UI Education

Education and Birth State	Dentists	% of Priv. Practice Dentists (1,324)
Iowa Birth State	829	62.6%
UI Dental Graduate	999	75.5%
IA Birth and UI Graduate	756	57.1%

Dental School Source

School Name	Dentists	% of Priv. Practice Dentists (1,324)
University of Iowa	999	75.5
Creighton University	82	6.2
University of Nebraska	52	3.9
Other	191	14.4

With UI Education or Graduate Training

2022

UI Education Experience	Dentists	% of Priv. Practice Dentists (1,324)
Dental School Only	882	66.6
Dental School and Additional Training	117	8.8
Additional Training Only*	26	2.0
Total	1025	77.4

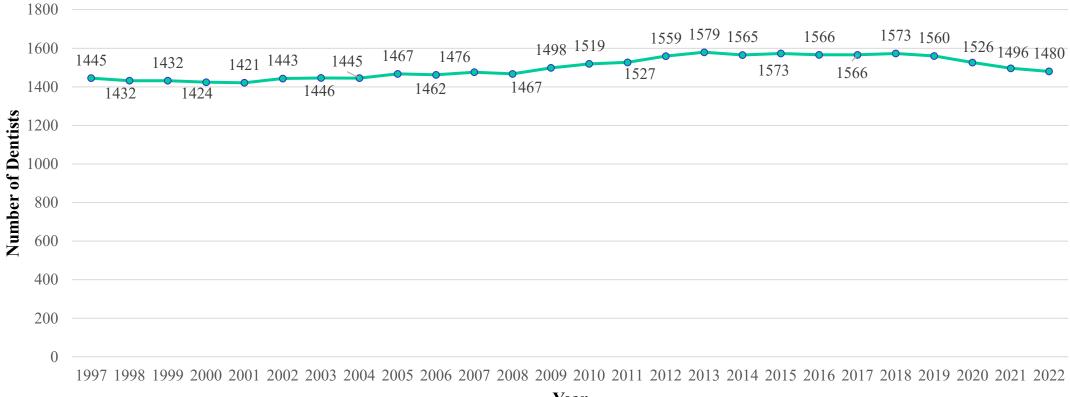
* Includes Residency, Fellowship and Certification Programs

All Iowa Dentists

Annual Workforce Report

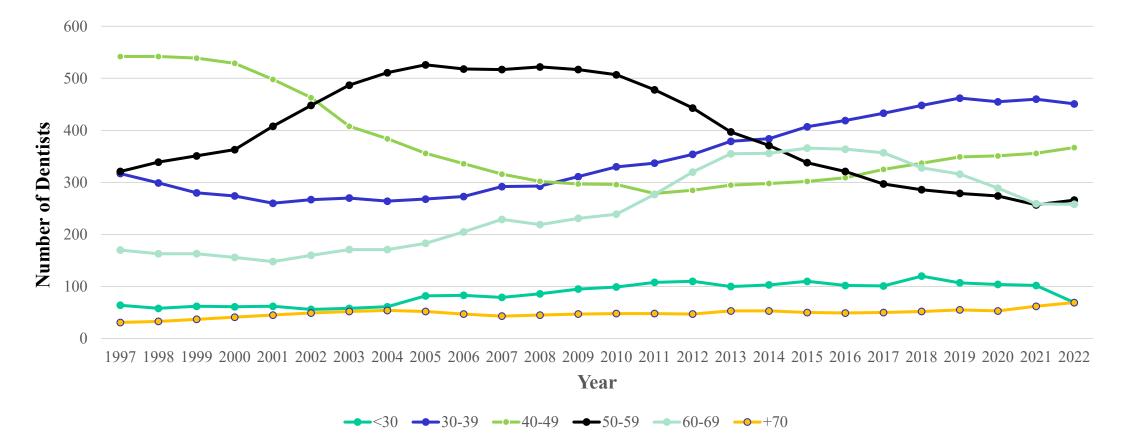
Date	Dentists
December 2022	1,480
January 2022	1,496
Net Gain / Loss	-16

IOWA DENTISTS 1997 - 2022



Year

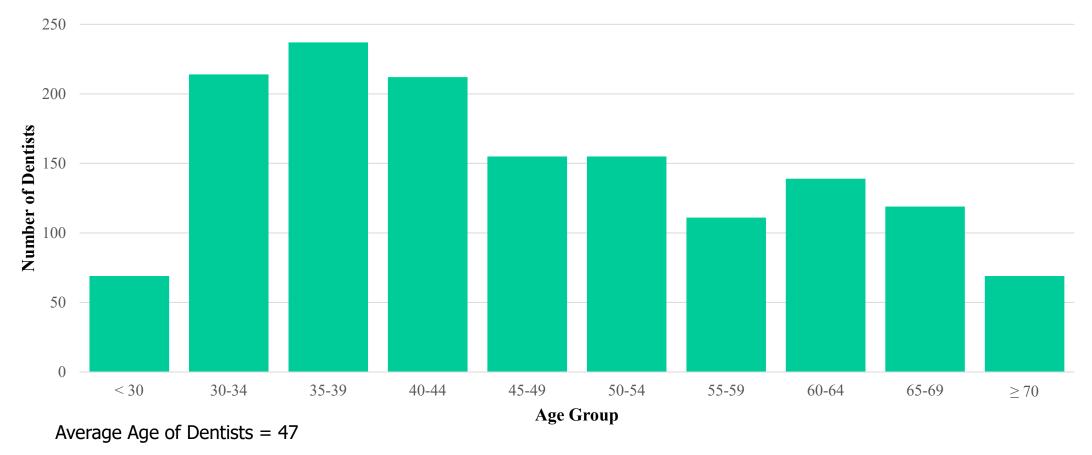
Age Distribution Trend 1997 - 2022



Age Distribution 2022

Age Category	Dentists	% of All Dentists (1,480)	Cumulative %
< 30	69	4.7	4.7
30 – 39	451	30.4	35.1
40 - 49	367	24.8	59.9
50 – 59	266	18.0	77.9
60 - 69	258	17.4	95.3
>= 70	69	4.7	100.0

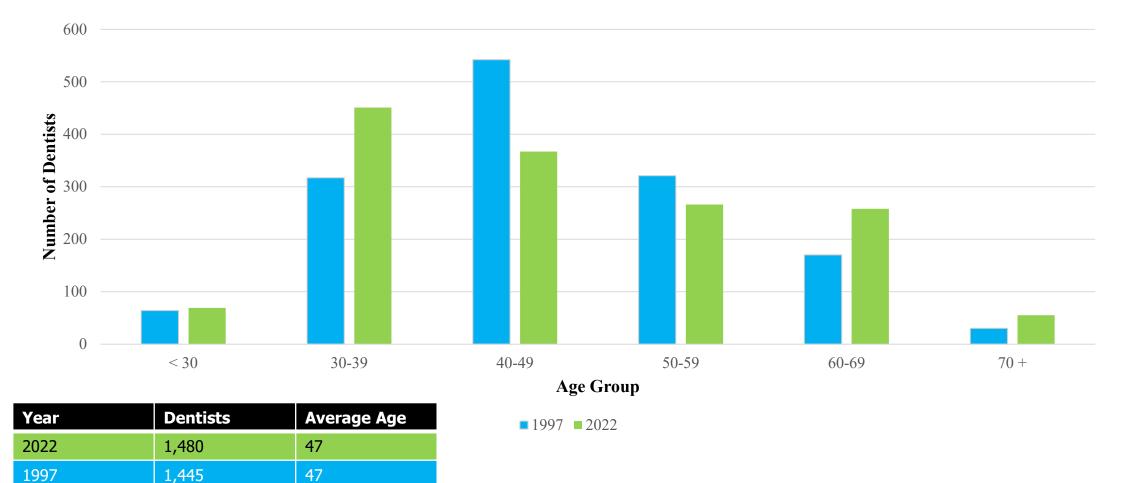
Age Distribution 2022



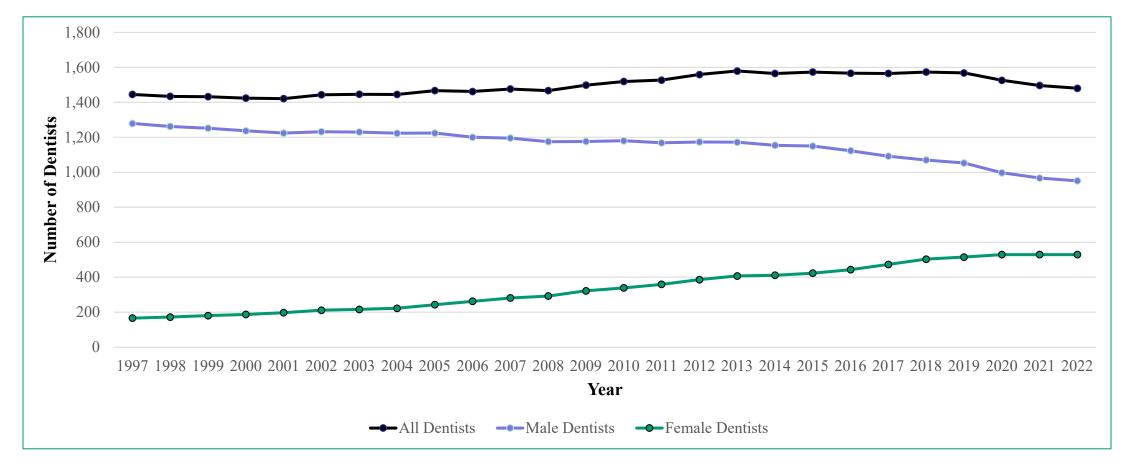
Median Age of Dentists = 44

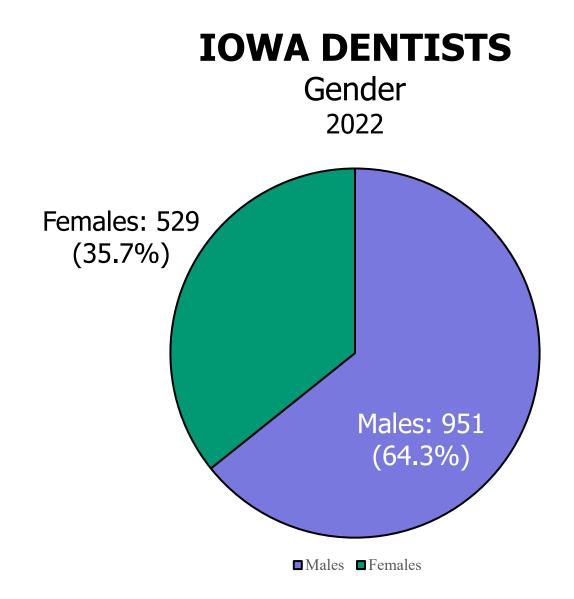
Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

Age Distribution Comparison 1997 vs 2022



Gender 1997 - 2022





Gender Age Distribution 2022

Age Category	Male Dentists	% of All Dentists (1,480)	Female Dentists	% of All Dentists (1,480)
< 30	37	2.5	32	2.2
30 – 39	240	16.2	211	14.3
40 - 49	209	14.1	158	10.6
50 – 59	190	12.8	76	5.1
60 - 69	209	14.1	49	3.3
>= 70	66	4.5	3	0.2
Total	951	64.3	529	35.7

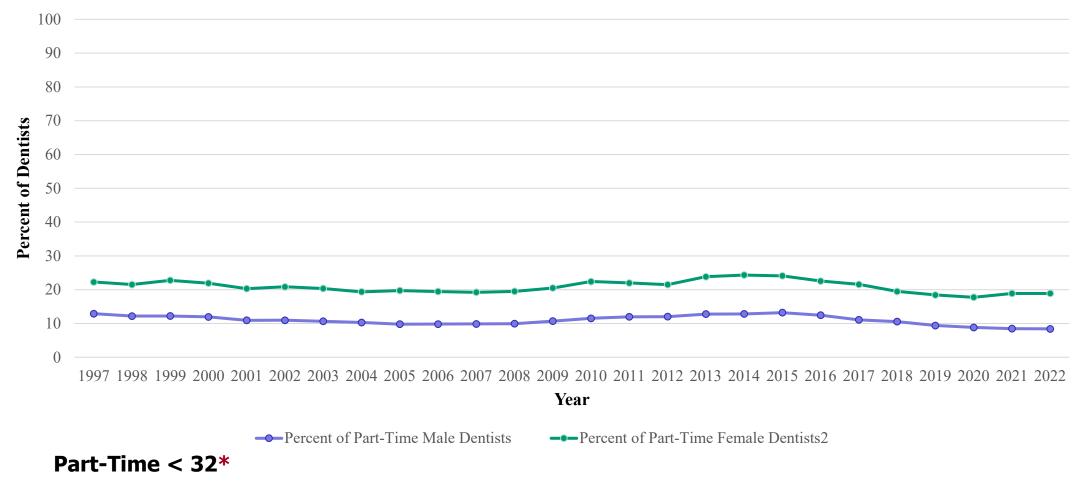
Full-Time vs. Part-Time* 2022

FTE	Dentists	% of All Dentists (1,480)
Full-Time (>= 32 Hours FTE)	1,300	87.8
Part-Time (< 32 H	180	12.2
Total	1,480	100%

Part-Time by Age 2022

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of All Dentists (1,480)
< 30	5	0.3
30 – 34	18	1.2
35 – 39	23	1.6
40 - 44	30	2.0
45 – 49	14	0.9
50 – 54	22	1.5
55 – 59	12	0.8
60 - 64	17	1.1
65 – 69	17	1.1
>= 70	22	1.5
Total	180	12.2

Proportion of Part-Time* By Gender 1997 - 2022



Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

K:Graphics/PowerPoint/Dentists/2019YrEnd/158.PPTX

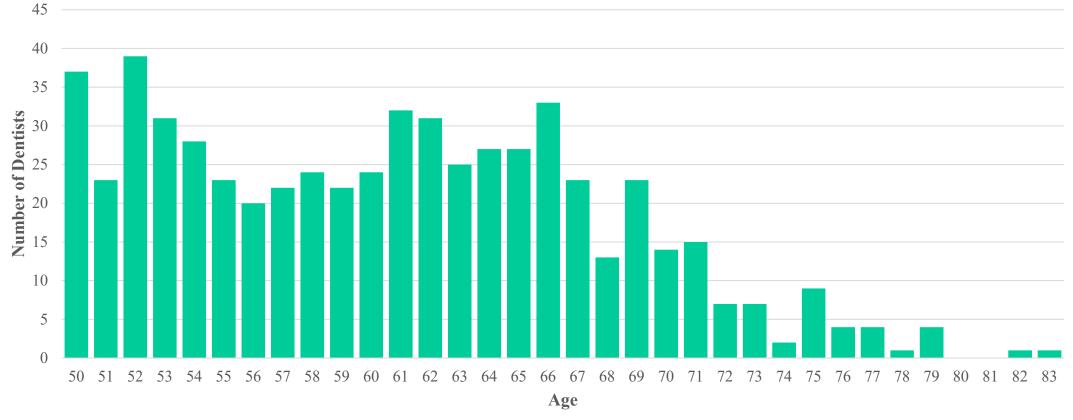
Females Part-Time by Age 2022

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of Female Dentists (529)	% of All Dentists (1,480)
< 30	1	0.2	0.1
30 – 34	12	2.5	0.9
35 – 39	21	4.0	1.4
40 – 44	22	4.2	1.5
45 – 49	10	1.9	0.7
50 – 54	7	1.9	0.7
55 – 59	7	1.3	0.5
60 - 64	9	1.7	0.6
65 – 69	5	0.9	0.3
>= 70	1	0.4	0.1
Total	100	18.9	6.8

Males Part-Time by Age 2022

Age Category	Part-Time Dentists (< 32 Hours FTE)	% of Male Dentists (951)	% of All Dentists (1,480)
< 30	4	0.4	0.3
30 – 34	5	0.5	0.3
35 – 39	2	0.2	0.1
40 – 44	8	0.8	0.5
45 – 49	4	0.4	0.3
50 – 54	12	1.3	0.8
55 – 59	5	0.5	0.3
60 - 64	8	0.8	0.5
65 – 69	12	1.3	0.8
>= 70	20	2.1	1.4
Total	80	8.4	5.4

Detail of age \geq 50 2022

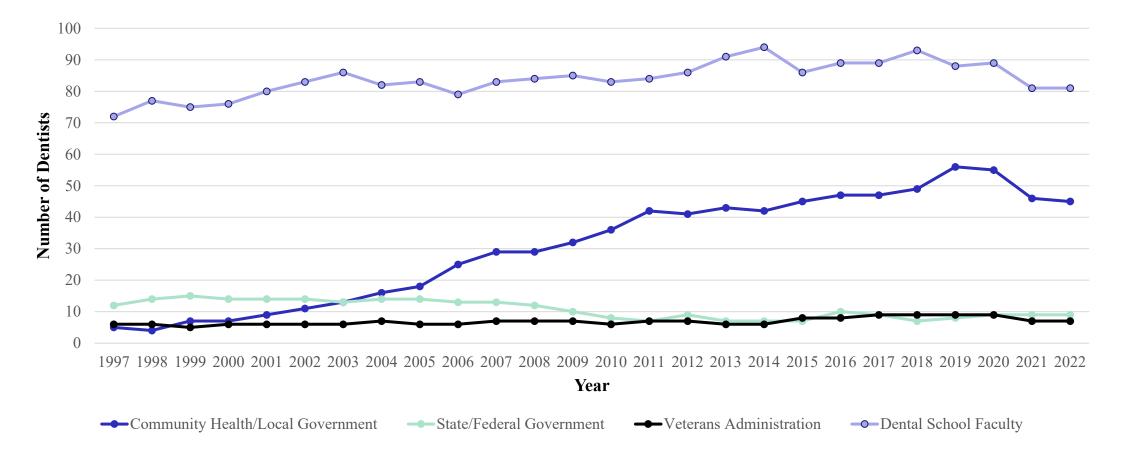


Total number of dentists 50 years of age and older = 593

Distribution by Community Size 2022

Community Population	Number of Communities	Number of Communities With a Dentist	Number of Dentists	% of All Dentists (1,480)
< 1,000	65	13	18	1.2
1,000 – 4,999	150	84	171	11.6
5,000 – 9,999	40	40	192	13.0
10,000 – 49,999	31	31	373	25.2
59,999 – 99,999	8	8	464	31.4
>= 100,000	3	3	241	16.3
Total	297	179	1,459	98.6%

Select Principal Professional Activities 1997-2022

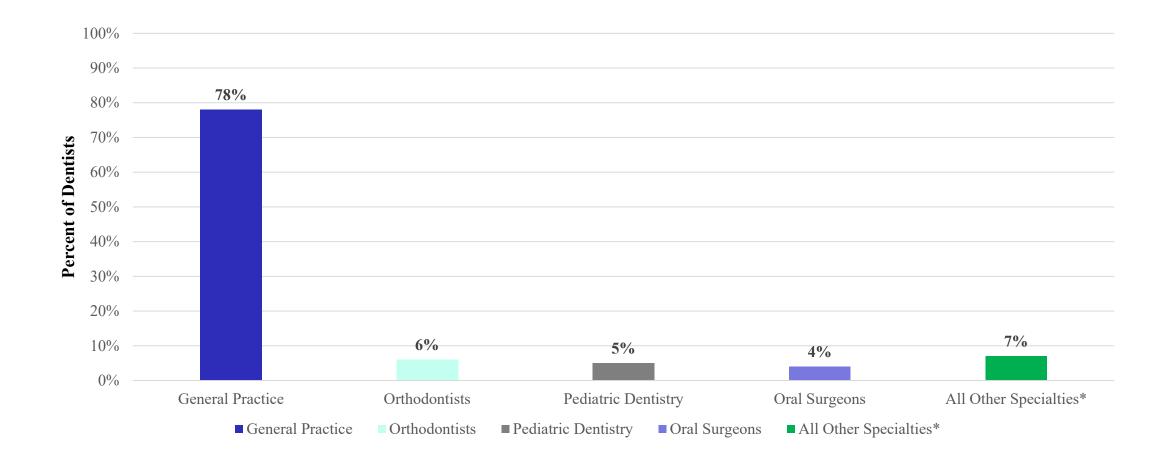


Principal Professional Activity 2022

Professional Activity	Dentists	% of All Dentists (1,480)
Private Practice	1,324	89.4
Dental School Faculty / Research	81	5.5
Community Health / Local Government	45	3.0
Administration / Other	10	0.7
State / Federal Government	9	0.6
Veterans Administration	7	0.5
Hospital Staff Dentist	4	0.3

IOWA DENTIST SPECIALTIES (1,480)

2022



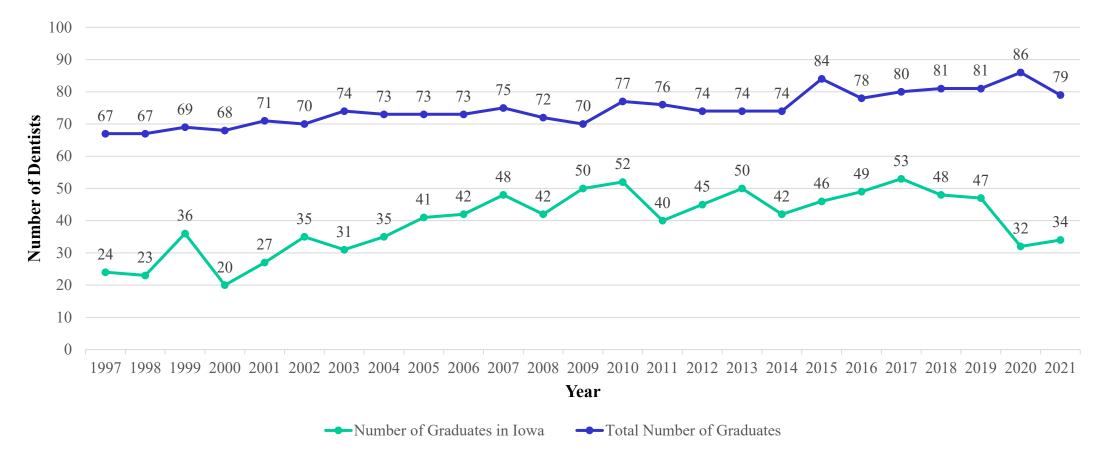
* Periodontists, Prosthodontists, Endodontists, Operative, Public Health , Oral Pathologists & Radiologists

Source: Office of Statewide Clinical Education Programs, Office of Statewide Clinical Education Programs, UI Carver College of Medicine, March 2023

K:Graphics/PowerPoint/Dentists/2022YrEnd/137.PPTX

UI DENTAL GRADUATES IN IOWA

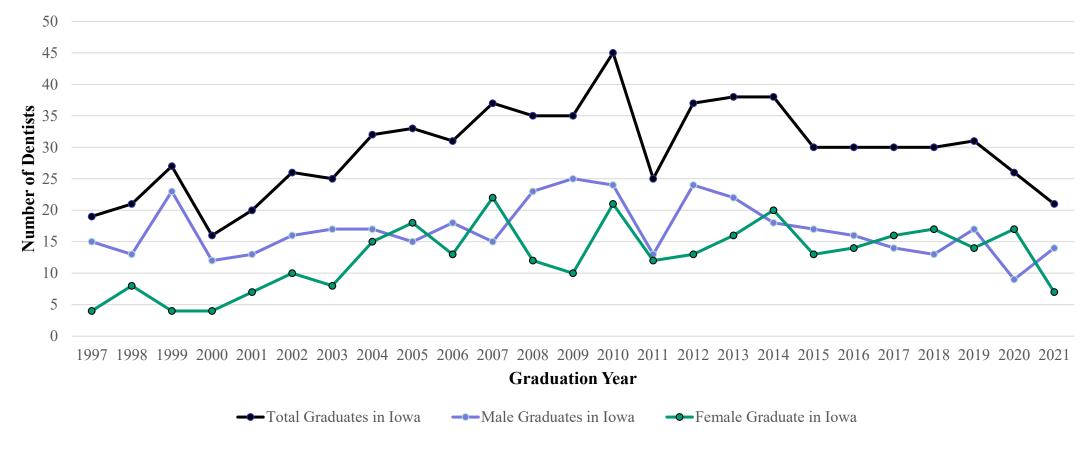
Graduate Classes 1997-2021



Note: Presentation data for graduates is limited to 2021

UI DENTAL GRADUATES NOW IN IOWA

By Gender 1997 - 2021



Note: Presentation data for graduates is limited to 2021

Retirement Summary

2021

Retirement Statistic	2021	Prior 5 Year Average
Number of Retirements	58	50
Mean Age	66	67
Median Age	67	67

Note: Presentation data for retirements is limited to 2021

Iowans Access to Dental Care

IOWANS DISTANCE TO NEAREST DENTIST

All Specialties 2022

Distance to the Nearest Dentist (Miles)	% of Iowa Population	Cumulative %
5 or Less	82.76	82.76
6 – 15	16.37	99.13
16 – 25	0.87	100.0
26+	0.0	

Average Distance = 2.97 Miles

IOWANS DISTANCE TO NEAREST DENTIST

General Practice 2022

Distance to the Nearest Gen. Prac. Dentist (Miles)	% of Iowa Population	Cumulative %
5 or Less	82.66	82.66
6 – 15	16.41	99.07
16 – 25	0.93	100.0
26+	0.0	

Average Distance = 3.03 Miles

IOWANS DISTANCE TO NEAREST DENTAL SPECIALTY SERVICE

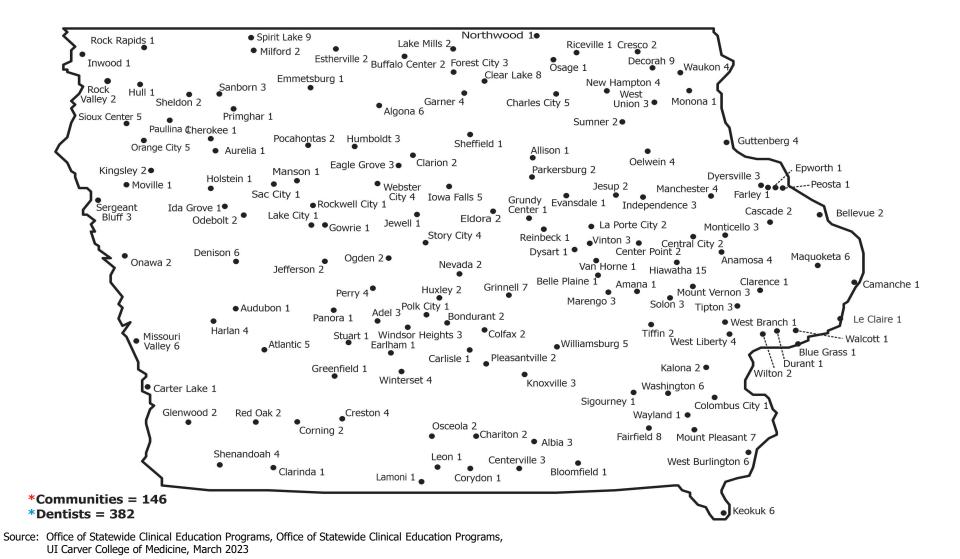
2022

Specialty	0-5 Miles	6-15 Miles	16-25 Miles	26-35 Miles	36-45 Miles	46-50 Miles	50+ Miles
General Practice	82.51%	16.38%	1.09%	0.01%			
Pediatric Dentist	50.37%	13.70%	16.15%	10.03%	7.89%	0.56%	1.30%
Orthodontist	55.09%	14.11%	13.81%	8.74%	4.36%	1.56%	2.32%
Oral Surgeon	43.71%	15.85%	13.20%	11.84%	4.72%	1.37%	9.32%
Endodontist	41.60%	16.38%	11.19%	7.60%	7.76%	2.65%	12.83%
Periodontist	32.97%	15.85%	11.13%	10.47%	7.16%	2.42%	20.00%
Prosthodontist	25.18%	17.41%	7.80%	9.36%	7.24%	3.49%	29.51%
Oral Pathologist	2.80%	1.32%	5.74%	4.35%	2.11%	4.49%	79.18%

Dentists Throughout Iowa Maps

IOWA COMMUNITIES

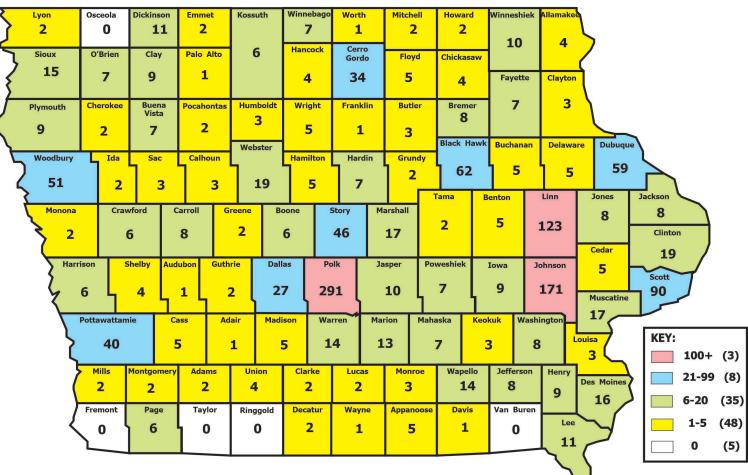
Number of Private Practice Dentists in Communities With Population Less than 10,000 2022



57

IOWA DENTISTS (1,480)

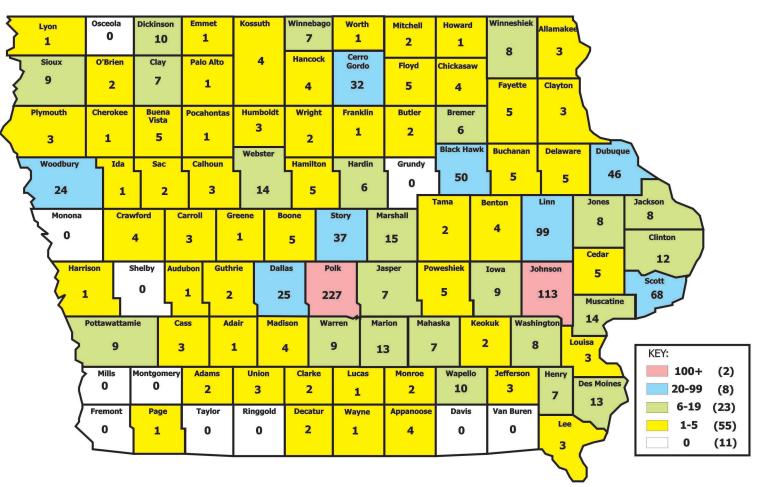
All Specialties 2022



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

DISTRIBUTION OF UI DENTAL GRADUATES (1,083)

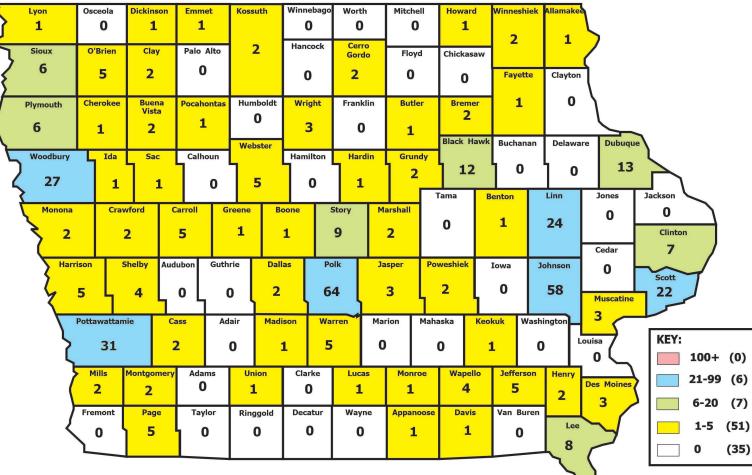
All Professional Activities 2022



*73.2% of Iowa's 1,480 dentists

DISTRIBUTION OF NON-UI DENTAL GRADUATES (396)

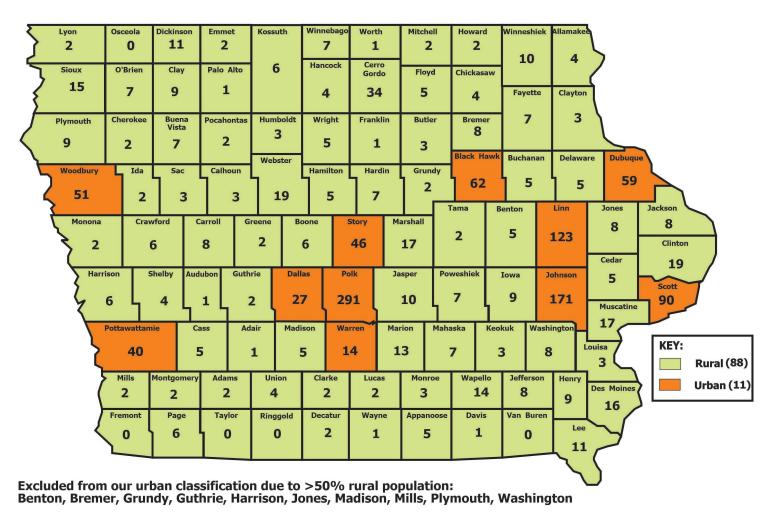
All Professional Activities 2022



26.8% of Iowa's 1480 Dentists

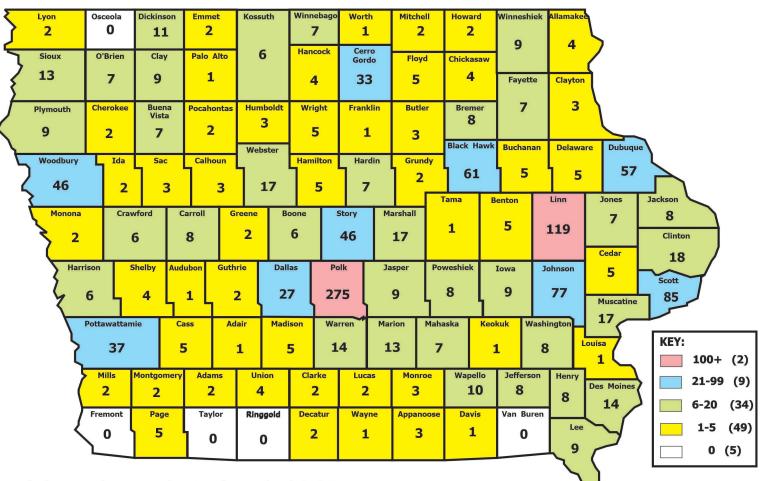
DISTRIBUTION OF DENTISTS BY RUCC*

All Specialties (1,480) 2022



IOWA PRIVATE PRACTICE DENTISTS

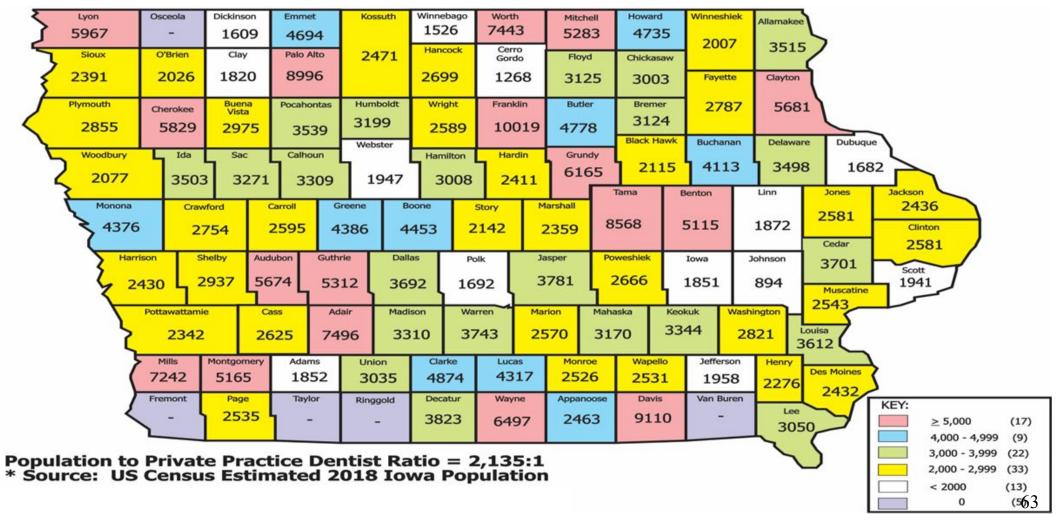
All Specialties 2022



Population to Private Practice Dentist Ratio: 2,370:1 Source: US Census Estimated Iowa Population

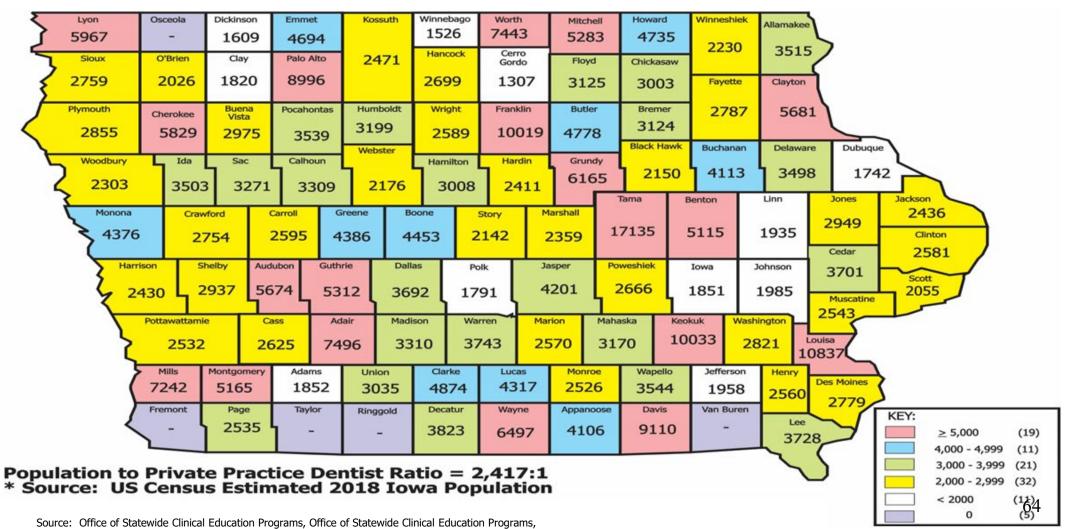
IOWA POPULATION TO DENTIST RATIO

By County 2022



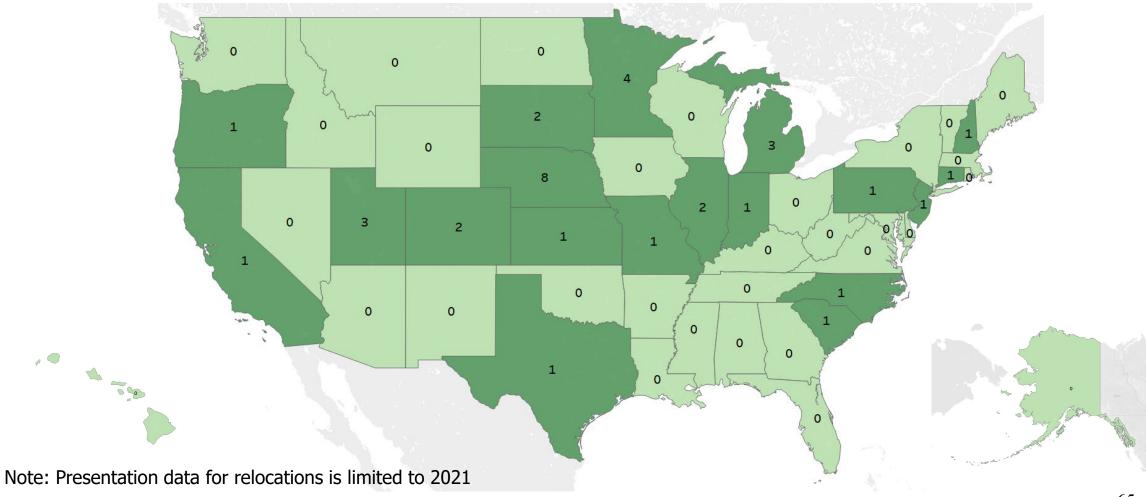
IOWA POPULATION TO PRIVATE PRACTICE DENTIST RATIO

By County 2022



UI Carver College of Medicine, March 2023

RELOCATION OF IOWA DENTISTS THROUGHOUT THE U.S. (36) 2021



Iowa Health Professions Workforce Comparisons

Composition of Workforce 2022

Practitioner Type	Number of Practitioners in Iowa
Physicians	5,824
Advanced Practice Nurses	3,297
Pharmacists	3,048
Dentists	1,480
Physician Assistants	1,149

Composition of Workforce Net Gain/Loss Summary 2022

Practitioner Type	Entering	Leaving	Net	Total
Physicians	413 (7.1%)	441 (7.6%)	-28 (-0.5%)	5,824
Nurse Practitioners	357 (10.8%)	222 (6.7%)	135 (4.1%)	3,297
Pharmacists	87 (2.9%)	122 (4.0%)	-35 (-1.2%)	3,048
Dentists	16 (1.1%)	32 (2.2%)	-16 (-1.1%)	1,480
Physician Assistants	116 (10.1%)	71 (6.2%)	45 (3.9%)	1,149

Composition of Workforce By Gender 2022

Practitioner Type	Number of Males	Number of Females	Total
Physicians	3,815 (66%)	2,009 (34%)	5,824
ARNPs	381 (12%)	2,916 (88%)	3,297
Pharmacists	998 (33%)	2,050 (67%)	3,048
Dentists	951 (64%)	529 (36%)	1,480
Physician Assistants	312 (27%)	837 (73%)	1,149

Composition of Workforce By Age

2022

Practitioner Type	< 40	40 – 49	50 – 59	>= 60	Total
Physicians	1,451 (25%)	1,695 (29%)	1,421 (24%)	1,257 (22%)	5,824
Physician Assistants	582 (51%)	294 (26%)	173 (15%)	100 (8%)	1,149
Dentists	520 (35%)	368 (25%)	267 (18%)	328 (22%)	1,480
Pharmacists	1,231 (40%)	836 (28%)	616 (20%)	365 (12%)	3,048
APNs	1,373 (42%)	1,064 (32%)	552 (17%)	308 (9%)	3,297

Distribution by Community Size 2022

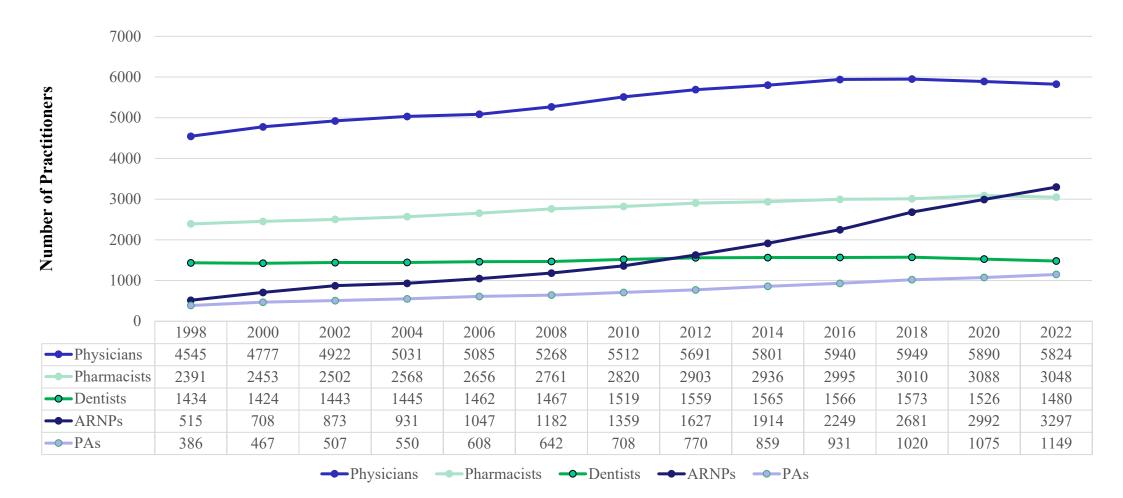
	Number of Communities With Providers				Number of Providers				Percentage of Providers (%)						
Community Population	APN	РНҮ	PA	РНА	DDS	APN	РНҮ	ΡΑ	РНА	DDS	APN	РНҮ	ΡΑ	РНА	DDS
< 1,000	51	15	15	15	15	65	20	17	26	20	2.0	0.3	1.5	0.9	1.4
1,000 – 4,999	125	91	74	114	95	405	371	133	376	187	12.3	6.4	11.5	12.3	12.6
5,000 – 9,999	38	41	32	41	42	381	441	103	356	195	11.6	7.6	9.0	11.7	13.2
10,000 – 49,999	17	32	29	31	32	637	1,125	223	660	374	19.3	19.2	19.4	21.7	25.2
50,000 – 99,999	2	9	8	8	9	1,107	2,380	397	968	465	33.6	40.9	34.6	31.7	31.3
100,000+	3	4	3	3	4	700	1,491	276	662	242	21.2	25.6	24.0	21.7	16.3
Total	236	192	161	212	197	3,297	5,824	1,149	3,048	1,480			100%		
														71	

K:Graphics/Powerpoint/IA Workforce/All-HP-2022/CommDist-NP-PA-Phys

Composition of Workforce Retirement Summary 2022

Practitioner Type	Retired	Percent of All Attrition	Average Age of Retirement	All Attrition	Average Age of All Attrition
Physicians	151	34%	67	441	53
Pharmacists	33	27%	67	122	49
Dentists	18	56%	61	32	58
Nurse Practitioners	31	14%	66	222	47
Physician Assistants	12	17%	64	71	43

1998 - 2022



UI Workforce Contributions

2022

Practitioner Type	System	Current Count	Number of University of Iowa Alumni	Percent of University of Iowa Alumni
Physicians (CCOM)		5,824	1,512	26%
	U of I Med Ed System*		2,752	47%
Pharmacists		3,048	1,402	46%
	U of I Pharm Ed System*		1,472	48%
Dentists		1,480	1,083	73%
	U of I Dental Ed System*		1,093	74%
Advanced Practice Nurses		3,297	487	15%
Physician Assistants		1,149	225	20%

*Includes graduates of UI graduate college, residencies or fellowships at UI or an affiliated program, or any combination