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1973

SURVEY OF DENTISTS

IOWA - 1973

IOWA STATE DEPARTMENT OF HEALTH

RECORDS AND STATISTICS DIVISION

Des Moines, Iowa

SURVEY OF DENTISTS

IOWA - 1973

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March 1974

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I. INTRODUCTION

Dental survey questionnaires were mailed to 1,426 Iowa dentists in conjunction with the license renewal process in 1973; a total of 1,306, or 91.6 percent of the questionnaires were returned to the Iowa State Department of Health. Among the 1,306 responding dentists, 110 indicated that they were retired during 1972 and answered only questions 1 and 22. Another 88 dentists skipped to question number 22 after completing questions 1-7 since those 88 dentists were not General Practitioners, Oral Surgeons, Orthodontists, Pedodontists, or Periodontists. As a result, the analyses presented in the survey primarily concern the 1,108 dentists who responded to the entire questionnaire.

Because of poor responses to question 12, that question regarding the total number of individual patients served in 1972 was excluded from the analyses. Similarly, question 22 was not analyzed because many of the dentists indicated their present ages instead of their anticipated retirement ages. Although useful for further study, questions 5 and 6 through 21 are peripheral to the purposes of this report.

For background information, Table 1 contains percents of responses to the various questions in the survey. In addition, a Table containing the classifications of dentists by type of practice and license number is available on request, but is not included in this report.

Enough art--more matter. Numerous aspects concerning dental practice in Iowa are presented in the various sections of the survey report.

Contained in the first sections are the locations of dentists within the state. Section V relates to the dental colleges where practicing Iowa dentists received their degrees. The next Section concerns the equipment used by dentists;

data pertaining to number of operatories are presented. In Section VII, the analyses apply to the personnel who assist dentists in Iowa. Within the final 3 sections of the survey report, the presentations relate to the work of dentists; factors such as the work week and work year, the number of patient sittings, and dentist busyness are all included.

FIGURE 1

Iowa

State Department of Health

LUCAS STATE OFFICE BUILDING

DES MOINES, IOWA 50319

ARNOLD M. REEVE, M.D., M.P.H.
COMMISSIONER OF PUBLIC HEALTH

General Health Service

John E. Goodrich, D.D.S., M.P.H.
Chief

March 10, 1973

Dear Doctor:

I know you will agree that we need more accurate information on the distribution of dental manpower in Iowa. The enclosed questionnaire should only take a few minutes of your time to complete. The information you provide, when compiled and studied, may answer many of the questions we all have about the availability of dental care in our state. We hate to burden you with this request, but this is the most efficient way we can think of to collect this data with any degree of accuracy. A similar questionnaire mailed to physicians with their license renewal last year elicited nearly 100% response.

We would sincerely appreciate your completing the questionnaire and returning it with your application for license renewal. Individual data will only be used for analysis and study to develop the composite report. The report will be distributed as early as possible after the work has been done.

Sincerely yours,

John E. Goodrich
John E. Goodrich, D.D.S., M.P.H.
Director, Dental Health Division

JEG:lr

Enclosure

Iowa

State Department of Health

LUCAS STATE OFFICE BUILDING

DES MOINES, IOWA 50319

ARNOLD M. REEVE, M.D., M.P.H.
COMMISSIONER OF PUBLIC HEALTH

General Health Service

John E. Goodrich, DDS, MPH
Chief

May 15, 1973

Dear Doctor:

We have not received your completed dentist's questionnaire which was sent to you along with your application for license renewal. Your participation in the questionnaire program is important. Information concerning the distribution and characteristics of practice of dentists in Iowa is greatly needed by planning agencies, professional organizations and legislative bodies.

We need your contributions to give us complete data about our state and its dentist manpower resources. Please take a few minutes to fill out the enclosed questionnaire and return it to us. Please do this NOW! It will only take a few minutes, but the input will be exceedingly valuable. An addressed envelope is enclosed for your convenience.

Sincerely yours,

John E. Goodrich
John E. Goodrich, D.D.S., M.P.H.
Director, Dental Health Division

JEG:lr
Enclosure

THE 1973 SURVEY OF IOWA DENTISTS

Please complete the following questionnaire and return it with your license renewal.

MAKE ANY CORRECTIONS BELOW:

Name _____

Address _____

License Number _____

- 1) Are you now retired?..... Yes [] No []
If yes, do not answer 2-21. Go to question 22 and enter the age at which you retired.
2) Date of birth:..... month day year
3) Dental College:..... year graduated college state
4) Home residence before entering dental college:..... city state
5) If married, wife's former home town:..... city state
6) Office location:..... city state
a) years of practice in this city:.....
b) years of practice in Iowa:.....
7) Type of practice (check only one): a) General..... [] 1
b) Oral Surgery..... [] 2
c) Orthodontia..... [] 3
d) Pedodontia..... [] 4
e) Periodontia..... [] 5
* f) Dental College Faculty..... [] 6
* g) Public Health Dentistry..... [] 7
* h) Institutional..... [] 8
* i) Other (specify)..... [] 9
* If you checked f, g, h, or i, do not answer 8-21. Answer 22.
8) Number of weeks in office during 1972:.....
9) Average hours per week in office:.....
10) Average number of patient sittings per week:.....

- 11) Average length of sitting: a) 1/4 hour..... 1
 b) 1/2 hour..... 2
 c) 3/4 hour..... 3
 d) 1 hour..... 4
 e) more than one hour..... 5
- 12) Total number of individual patients served in 1972:.....
- 13) Of the following statements, check the one which best describes your practice during 1972:
 a) Too busy to treat all people requesting appointments:..... 4
 b) Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours):..... 3
 c) Provided dental care for all who requested appointments, had enough patients, and did not feel overworked:..... 2
 d) Not busy enough - would have liked to had more patients:..... 1
 If you checked d), how many more patients could you have treated per week?.....
- 14) Number of operatories:.....
- 15) List number of auxiliaries for each category: Part-time Full-time
 a) Hygienist:.....
 b) Dental Assistant:.....
 c) Dental Laboratory Technician:.....
 d) Secretary-Receptionist:.....
- 16) Are you on the staff of a hospital?..... Yes No
 a) If yes, _____ hospital, _____ city
- 17) Are you a member of a group dental practice?..... Yes No
 (a group practice is defined as one in which the dentists form a partnership to share facilities and income.)
 a) If yes, number of dentists in the group:.....
- 18) Do you do tooth extractions in your practice?..... Yes No
- 19) Do you accept child patients (12 years and under) in your practice?.. Yes No
 a) If yes, what percent of your patients are 12 years and under?..... %
- 20) How did you find out about the need for a dentist in the town that you eventually selected to start your practice?.....
- 21) Please list the major factors that made you decide to settle in your present location:.....
- 22) At what age do you plan to retire?..... Age _____

Table 1: Summary of the Responses of Dentists to the Survey

Question Number	Number Answered	Percent
1	1,108	100.0
2	1,095	98.8
3	1,102	99.4
4	996	89.8
6	1,108	100.0
A	1,082	97.6
B	1,076	97.1
7	1,196	0.0
A	970	81.1
B	33	2.7
C	72	6.0
D	26	2.1
E	7	0.5
F	54	4.5
G	1	...
H	17	1.4
I	16	1.3
8	1,045	94.3
9	1,055	95.2
10	998	90.0
11	1,032	93.1
12	38	3.4
13	1,045	94.3
E	97	79.5
14	990	89.3
15	990	89.3
16	1,102	99.4
A	380	97.9
17	1,099	99.1
A	116	92.0
18	1,104	99.6
19	1,081	97.5
A	781	77.8

Total Forms Received (Excluding Retired and Other) 1,108

II. LOCATIONS OF DENTISTS BY TYPE OF PRACTICE

Table 2

With the exception of Johnson County, the 5 Iowa counties with the largest populations - Polk, Linn, Scott, Black Hawk, and Woodbury - also have the largest numbers of dentists. Actually, about one-third of the dentists practicing in the state are located in these 5 highly populated counties, which encompass 29 percent of the Iowa populace.

Johnson County does rank second in the state to Polk County according to the total numbers of dentists within the respective counties, but a large proportion of the Johnson County dentists are associated with the University of Iowa College of Dentistry at Iowa City. Including Johnson County, about 40 percent of Iowa dentists are located in 6 counties which have 32 percent of the state population.

Adams, Clarke, Guthrie, and Louisa are 4 counties served by only one dentist in each county. Another 11 counties have only 2 dentists per county.

For each dentist practicing in Iowa, the general population numbers 2,410 (Population-Dentist Ratio). Comparisons by county of the population-dentist ratios indicate the lowest ratio is 803 in Johnson County. However, excluding the dentists associated with The University of Iowa, the ratio for Johnson County is 2,463. Winnebago County has the 2nd lowest ratio in the state of 1,478 population for each dentist, while the highest ratio is 12,700 in Guthrie County.

Among the five highly populated counties mentioned previously, Polk County has the lowest population-dentist ratio, 1,892; Scott and Black Hawk Counties have the highest ratios, 2,549 and 2,491, respectively. In the 4 counties with only one dentist each, the populations range from 6,300 in Adams County to 12,700 for Guthrie County.

Dentists who specialize are located in even greater concentrations in the larger counties in the state. Nearly 3 out of 4 (73 percent) of the dentists who specialize in oral surgery, orthodontia, pedodontia or periodontia are located in counties where one of the larger Iowa cities is situated. In contrast, 73 of the 99 counties have no specialists at all.

Table 3

Since practicing Iowa dentists are more numerous in the highly populated counties, Region 11 has the largest number of dentists. Dentists are fewest in number in Region 14 which has the smallest populace of any of the 16 regions in the state.

One-half of the dentists in the state are located within 4 regions, numbers: 7, 9, 10, and 11. However, excluding the dentists at The University of Iowa, none of the 4 regions has the lowest population-dentist ratio in the state.

In Region 2, the lowest population-dentist ratio is evident; the residents number 2,111 for each dentist in the region. Region 10 would have the lowest ratio, 1,701, if the dentists at the University in Iowa City were included. The highest ratio is 3,700 in Region 14.

Dentists who practice one of the 4 specialties are also more numerous in regions with large numbers of inhabitants. Slightly more than one-half of the specialists practice in Regions 9, 10, and 11, the largest number is in Region 11.

Although Regions 9, 10, and 11 do contain the largest numbers of specialists, the lowest ratio of people to specialists is 13,540 in Region 8. No specialists practice in Region 14 where 62,900 people reside.

Table 2: Number of Dentists by State and By County by Type of Practice

County	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho-dontist	Pedo-dontist	Perio-dontist	Other
STATE	1,196	970	138	33	72	26	7	88
COUNTY								
Adair	4	4	-	-	-	-	-	-
Adams	1	1	-	-	-	-	-	-
Allamakee	8	8	-	-	-	-	-	-
Appanoose	4	4	-	-	-	-	-	-
Audubon	2	2	-	-	-	-	-	-
Benton	6	6	-	-	-	-	-	-
Black Hawk	54	44	10	2	5	2	1	-
Boone	10	10	-	-	-	-	-	-
Bremer	12	12	-	-	-	-	-	-
Buchanan	6	5	-	-	-	-	-	-
Buena Vista	10	10	-	-	-	-	-	1
Butler	2	2	-	-	-	-	-	-
Calhoun	7	7	-	-	-	-	-	-
Carroll	8	7	1	-	1	-	-	-
Cass	8	7	1	-	1	-	-	-
Cedar	4	4	-	-	-	-	-	-
Cerro Gordo	30	20	8	2	5	1	-	2
Cherokee	7	7	-	-	-	-	-	-
Chickasaw	4	4	-	-	-	-	-	-
Clarke	1	1	-	-	-	-	-	-
Clay	10	8	2	-	2	-	-	-
Clayton	6	6	-	-	-	-	-	-
Clinton	25	21	3	-	2	1	-	1
Crawford	6	6	-	-	-	-	-	1
Dallas	10	9	-	-	-	-	-	1
Davis	3	3	-	-	-	-	-	-
Decatur	3	3	-	-	-	-	-	-

Number of Dentists by State and By County By Type of Practice (continued)

County	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho-dontist	Pedo-dontist	Perio-dontist	Other
Delaware	4	4	-	-	-	-	-	-
Des Moines	17	14	3	2	1	-	-	-
Dickinson	7	6	1	-	1	-	-	-
Dubuque	44	35	9	3	3	3	-	-
Emmet	8	8	-	-	-	-	-	-
Fayette	9	9	-	-	-	-	-	-
Floyd	8	8	-	-	-	-	-	-
Franklin	5	5	-	-	-	-	-	-
Fremont	2	2	-	-	-	-	-	-
Greene	4	4	-	-	-	-	-	-
Grundy	5	5	-	-	-	-	-	-
Guthrie	1	1	-	-	-	-	-	-
Hamilton	8	8	-	-	-	-	-	-
Hancock	5	5	-	-	-	-	-	-
Hardin	9	9	-	-	-	-	-	-
Harrison	2	2	-	-	-	-	-	-
Henry	8	7	-	-	-	-	-	1
Howard	5	5	-	-	-	-	-	-
Humboldt	6	6	-	-	-	-	-	-
Ida	3	3	-	-	-	-	-	-
Iowa	6	6	-	-	-	-	-	-
Jackson	6	5	1	-	1	-	-	-
Jasper	11	11	-	-	-	-	-	-
Jefferson	5	4	1	-	1	-	-	-
Johnson	92	23	7	-	5	1	1	62
Jones	5	5	-	-	-	-	-	-
Keokuk	3	3	-	-	-	-	-	-
Kossuth	9	9	-	-	-	-	-	-
Lee	18	16	2	1	1	-	-	-
Linn	78	57	17	5	8	3	1	4
Louisa	1	1	-	-	-	-	-	-
Lucas	2	2	-	-	-	-	-	-
Lyon	5	5	-	-	-	-	-	-
Madison	3	3	-	-	-	-	-	-

Number of Dentists by State and By County by Type of Practice (continued)

County	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Orthodontist	Pedodontist	Periodontist	Other
Mahaska	8	8	-	-	-	-	-	-
Marion	11	10	-	-	-	-	-	1
Marshall	18	15	3	1	2	-	-	-
Mills	3	2	-	-	-	-	-	1
Mitchell	5	5	-	-	-	-	-	-
Monona	2	2	-	-	-	-	-	-
Monroe	3	3	-	-	-	-	-	-
Montgomery	6	6	-	-	-	-	-	-
Muscatine	15	13	1	-	1	-	-	1
O'Brien	7	7	-	-	-	-	-	-
Osceola	2	2	-	-	-	-	-	-
Page	11	9	1	-	1	-	-	1
Palo Alto	4	4	-	-	-	-	-	-
Plymouth	10	10	-	-	-	-	-	-
Pocahontas	5	5	-	-	-	-	-	-
Polk	156	120	29	6	12	9	2	7
Pottawattamie	31	25	4	2	2	-	-	2
Poweshiek	7	7	-	-	-	-	-	-
Ringgold	2	2	-	-	-	-	-	-
Sac	5	5	-	-	-	-	-	-
Scott	57	44	11	3	4	3	1	2
Shelby	4	4	-	-	-	-	-	-
Sioux	13	13	-	-	-	-	-	-
Story	19	16	3	-	3	-	-	-
Tama	4	3	1	-	1	-	-	-
Taylor	2	2	-	-	-	-	-	-
Union	4	4	-	-	-	-	-	-
Van Buren	2	2	-	-	-	-	-	-
Wapello	12	8	4	2	2	-	-	-
Warren	5	5	-	-	-	-	-	-
Washington	7	7	-	-	-	-	-	-

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Number of Dentists by State and By County by Type of Practice (continued)

County	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Orthodontist	Pedodontist	Periodontist	Other
Wayne	2	2	-	-	-	-	-	-
Webster	22	18	4	1	3	-	-	-
Winnebago	9	9	-	-	-	-	-	-
Winneshiek	9	8	1	-	1	-	-	-
Woodbury	49	38	10	3	3	3	1	1
Worth	3	3	-	-	-	-	-	-
Wright	7	7	-	-	-	-	-	-

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Table 3: Number of Dentists by State, Region and County, By Type of Practice

	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho- dontist	Pedo- dontist	Perio- dontist	Other
STATE	1,196	970	138	33	72	26	7	88
<u>Region 1</u>	37	36	1	-	1	-	-	-
Allamakee	8	8	-	-	-	-	-	-
Clayton	6	6	-	-	-	-	-	-
Fayette	9	9	-	-	-	-	-	-
Howard	5	5	-	-	-	-	-	-
Winneshek	9	8	1	-	1	-	-	-
<u>Region 2</u>	74	64	8	2	5	1	-	2
Cerro Gordo	30	20	8	2	5	1	-	2
Floyd	8	8	-	-	-	-	-	-
Franklin	5	5	-	-	-	-	-	-
Hancock	5	5	-	-	-	-	-	-
Kossuth	9	9	-	-	-	-	-	-
Mitchell	5	5	-	-	-	-	-	-
Winnebago	9	9	-	-	-	-	-	-
Worth	3	3	-	-	-	-	-	-
<u>Region 3</u>	66	63	3	-	3	-	-	-
Buena Vista	10	10	-	-	-	-	-	-
Clay	10	8	2	-	2	-	-	-
Dickinson	7	6	1	-	1	-	-	-
Emmet	8	8	-	-	-	-	-	-
Lyon	5	5	-	-	-	-	-	-
O'Brien	7	7	-	-	-	-	-	-
Osceola	2	2	-	-	-	-	-	-
Palo Alto	4	4	-	-	-	-	-	-
Sioux	13	13	-	-	-	-	-	-

Number of Dentists by State, Region and County, By Type of Practice (continued)

	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho- dontist	Pedo- dontist	Perio- dontist	Other
<u>Region 4</u>	71	60	10	3	3	3	1	1
Cherokee	7	7	-	-	-	-	-	-
Ida	3	3	-	-	-	-	-	-
Monona	2	2	-	-	-	-	-	-
Plymouth	10	10	-	-	-	-	-	-
Woodbury	49	38	10	3	3	3	1	1
<u>Region 5</u>	55	51	4	1	3	-	-	-
Calhoun	7	7	-	-	-	-	-	-
Hamilton	8	8	-	-	-	-	-	-
Humboldt	6	6	-	-	-	-	-	-
Pocahontas	5	5	-	-	-	-	-	-
Webster	22	18	4	1	3	-	-	-
Wright	7	7	-	-	-	-	-	-
<u>Region 6</u>	38	34	4	1	3	-	-	-
Hardin	9	9	-	-	-	-	-	-
Marshall	18	15	3	1	2	-	-	-
Poweshiek	7	7	-	-	-	-	-	-
Tama	4	3	1	-	1	-	-	-
<u>Region 7</u>	83	72	10	2	5	2	1	1
Black Hawk	54	44	10	2	5	2	1	-
Bremer	12	12	-	-	-	-	-	-
Buchanan	6	5	1	-	-	-	-	-
Butler	2	2	-	-	-	-	-	-
Chickasaw	4	4	-	-	-	-	-	-
Grundy	5	5	-	-	-	-	-	-
<u>Region 8</u>	54	44	10	3	4	3	-	-
Delaware	4	4	-	-	-	-	-	-

Number of Dentists by State, Region and County, By Type of Practice (continued)

	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho- dontist	Pedo- dontist	Perio- dontist	Other
Dubuque	44	35	9	3	3	3	-	-
Jackson	6	5	1	-	1	-	-	-
<u>Region 9</u>	97	78	15	3	7	4	1	4
Clinton	25	21	3	-	2	1	-	1
Muscatine	15	13	1	-	1	-	-	1
Scott	57	44	11	3	4	3	1	2
<u>Region 10</u>	198	108	24	5	13	4	2	66
Benton	6	6	-	-	-	-	-	-
Cedar	4	4	-	-	-	-	-	-
Iowa	6	6	-	-	-	-	-	-
Johnson	92	23	7	-	5	1	1	62
Jones	5	5	-	-	-	-	-	-
Linn	78	57	17	5	8	3	1	4
Washington	7	7	-	-	-	-	-	-
<u>Region 11</u>	225	184	32	6	15	9	2	9
Boone	10	10	-	-	-	-	-	-
Dallas	10	9	-	-	-	-	-	1
Jasper	11	11	-	-	-	-	-	-
Madison	3	3	-	-	-	-	-	-
Marion	11	10	-	-	-	-	-	1
Polk	156	120	29	6	12	9	2	7
Story	19	16	3	-	3	-	-	-
Warren	5	5	-	-	-	-	-	-
<u>Region 12</u>	26	25	1	-	1	-	-	-
Audubon	2	2	-	-	-	-	-	-
Carroll	8	7	1	-	1	-	-	-
Crawford	6	6	-	-	-	-	-	-

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Number of Dentists by State, Region and County, By Type of Practice (continued)

	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho- dontist	Pedo- dontist	Perio- dontist	Other
Crawford	6	6	-	-	-	-	-	-
Greene	4	4	-	-	-	-	-	-
Guthrie	1	1	-	-	-	-	-	-
Sac	5	5	-	-	-	-	-	-
<u>Region 13</u>	67	57	6	2	4	-	-	4
Cass	8	7	1	-	1	-	-	-
Fremont	2	2	-	-	-	-	-	-
Harrison	2	2	-	-	-	-	-	-
Mills	3	2	-	-	-	-	-	1
Montgomery	6	6	-	-	-	-	-	-
Page	11	9	1	-	1	-	-	1
Pottawattamie	31	25	4	2	2	-	-	2
Shelby	4	4	-	-	-	-	-	-
<u>Region 14</u>	17	17	-	-	-	-	-	-
Adair	4	4	-	-	-	-	-	-
Adams	1	1	-	-	-	-	-	-
Clarke	1	1	-	-	-	-	-	-
Decatur	3	3	-	-	-	-	-	-
Ringgold	2	2	-	-	-	-	-	-
Taylor	2	2	-	-	-	-	-	-
Union	4	4	-	-	-	-	-	-
<u>Region 15</u>	44	39	5	2	3	-	-	-
Appanoose	4	4	-	-	-	-	-	-
Davis	3	3	-	-	-	-	-	-
Jefferson	5	4	1	-	1	-	-	-
Keokuk	3	3	-	-	-	-	-	-
Lucas	2	2	-	-	-	-	-	-

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Number of Dentists by State, Region and County, By Type of Practice (continued)

	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho- dontist	Pedo- dontist	Perio- dontist	Other
Mahaska	8	8	-	-	-	-	-	-
Monroe	3	3	-	-	-	-	-	-
Van Buren	2	2	-	-	-	-	-	-
Wapello	12	8	4	2	2	-	-	-
Wayne	2	2	-	-	-	-	-	-
Region 16	44	38	5	3	2	-	-	1
Des Moines	17	14	3	2	1	-	-	1
Henry	8	7	-	-	-	-	-	-
Lee	18	16	2	1	1	-	-	-
Louisa	1	1	-	-	-	-	-	-

III. LOCATIONS OF DENTISTS BY AGE

Table 4

Nearly half of all the dentists in Iowa (47 percent) are 50 years of age or older. Dentists aged 60 and older represent nearly one-fourth of the total number of dentists in the state while 1 out of 10 Iowa dentists is 70 or older.

Among the specialists in oral surgery, orthodontia, pedodontia, or periodontia, the proportion of dentists aged 50 or older is considerably smaller, 36 percent.

However, more than half of the oral surgeons in the state are 50 and older. Just over a third of the Orthodontists, 36 percent, are in the 50 and older age group while less than one-fourth of the Pedodontists are classified as 50 plus.

Periodontists, apparently, are the youngest of the specialists; 71 percent are 39 or younger with 57 percent aged 30-39. All percentage comparisons within this type of practice should be viewed cautiously, however, because of the small number of periodontists in the state.

Comparisons of dentists in the different counties by age groups should also be made cautiously because of the small numbers of dentists located in many counties, although, limited comparisons can be made.

In contrast to the 17 counties where one-half or more of the dentists are in the 60 and older age group, are 16 counties where 50 percent or more of the dentists are aged 39 or younger.

In 6 Iowa counties one-half of the dentists in the county are 70 or older; the only dentist in Clarke County is in that age group. Other counties have relatively high proportions of dentists in the 70 plus age group: Kossuth has 44 percent, Howard 40 percent, and Mahaska 37.5 percent. One-third of all the

dentists in 4 other counties are aged 70 or older while in another 4 counties 25 percent of the dentists in the county are 70 or over.

Table 5

Comparisons of regions according to the ages of the dentists within each region indicate Region 14 has the highest proportions of both younger and older dentists.

Region 14 has the largest proportion of dentists aged 29 and younger; 12 percent of the dentists located within the region are in this youngest age group. In both Regions 8 and 13, none of the practicing dentists are 29 or under.

Considering the older age groups within each region, Region 14 has the highest proportion of dentists aged 60 and over, 41 percent, while the lowest proportion is 14 percent in Region 10. Slightly over a third of the dentists located in Region 14 are 70 or older, but only 4 percent of the dentists practicing in Region 12 are aged 70 and above.

Table 4: Number of Dentists by State, and County and Type of Practice, By Age of Dentists

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
STATE								
All Types of Practice	1,108	43	254	284	259	139	120	9
General Practitioner	970	41	216	237	225	127	116	8
Specialists	138	2	38	47	34	12	4	1
Oral Surgeon	33	-	9	7	13	2	2	-
Orthodontist	72	-	20	25	16	9	1	1
Pedodontist	26	1	5	14	5	1	-	-
Periodontist	7	1	4	1	-	-	1	-
Adair								
All Types of Practice	4	-	-	-	1	1	2	-
General Practitioner	4	-	-	-	1	1	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Adams								
All Types of Practice	1	1	-	-	-	-	-	-
General Practitioner	1	1	-	-	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Allamakee								
All Types of Practice	8	2	-	-	1	2	3	-
General Practitioner	8	2	-	-	1	2	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Appanoose								
All Types of Practice	4	-	-	1	1	1	1	-
General Practitioner	4	-	-	1	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Audubon								
All Types of Practice	2	-	-	-	2	-	-	-
General Practitioner	2	-	-	-	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Benton								
All Types of Practice	6	1	1	1	2	1	-	-
General Practitioner	6	1	1	1	2	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Black Hawk								
All Types of Practice	54	3	14	16	13	2	6	-
General Practitioner	44	3	10	12	12	1	6	-
Specialists	10	-	4	4	1	1	-	-
Oral Surgeon	2	-	1	1	-	-	-	-
Orthodontist	5	-	3	1	1	-	-	-
Pedodontist	2	-	-	1	-	1	-	-
Periodontist	1	-	-	1	-	-	-	-
Boone								
All Types of Practice	10	1	3	-	2	2	2	-
General Practitioner	10	1	3	-	2	2	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Bremer								
All Types of Practice	12	1	2	4	1	1	3	-
General Practitioner	12	1	2	4	1	1	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Buchanan								
All Types of Practice	5	-	-	3	1	1	-	-
General Practitioner	5	-	-	3	1	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Buena Vista								
All Types of Practice	10	-	4	3	2	-	1	-
General Practitioner	10	-	4	3	2	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Butler								
All Types of Practice	2	-	-	2	-	-	-	-
General Practitioner	2	-	-	2	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Calhoun								
All Types of Practice	7	1	2	-	2	1	1	-
General Practitioner	7	1	2	-	2	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Carroll								
All Types of Practice	8	-	2	3	1	2	-	-
General Practitioner	7	-	2	2	1	2	-	-
Specialists	1	-	-	1	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Cass								
All Types of Practice	8	-	3	2	-	2	1	-
General Practitioner	7	-	3	1	-	2	1	-
Specialists	1	-	-	1	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Cedar								
All Types of Practice	4	-	1	1	1	-	1	-
General Practitioner	4	-	1	1	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Cerro Gordo								
All Types of Practice	28	-	8	7	7	4	1	1
General Practitioner	20	-	6	5	4	3	1	1
Specialists	8	-	2	2	3	1	-	-
Oral Surgeon	2	-	-	-	2	-	-	-
Orthodontist	5	-	2	1	1	1	-	-
Pedodontist	1	-	-	1	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Cherokee								
All Types of Practice	7	-	3	2	1	-	1	-
General Practitioner	7	-	3	2	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Chickasaw								
All Types of Practice	4	-	-	2	1	-	1	-
General Practitioner	4	-	-	2	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Clarke								
All Types of Practice	1	-	-	-	-	-	1	-
General Practitioner	1	-	-	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clay								
All Types of Practice	10	-	4	2	4	-	-	-
General Practitioner	8	-	3	2	3	-	-	-
Specialists	2	-	1	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	2	-	1	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clayton								
All Types of Practice	6	-	1	1	2	2	-	-
General Practitioner	6	-	1	1	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clinton								
All Types of Practice	24	-	5	6	7	3	3	-
General Practitioner	21	-	4	5	6	3	3	-
Specialists	3	-	1	1	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	1	-	-	-	1	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Crawford								
All Types of Practice	6	-	3	1	-	2	-	-
General Practitioner	6	-	3	1	-	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Dallas								
All Types of Practice	9	1	2	1	1	2	2	-
General Practitioner	9	1	2	1	1	2	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Davis								
All Types of Practice	3	-	1	-	1	-	1	-
General Practitioner	3	-	1	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Decatur								
All Types of Practice	3	-	2	-	-	-	1	-
General Practitioner	3	-	2	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Delaware								
All Types of Practice	4	-	2	1	-	1	-	-
General Practitioner	4	-	2	1	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Des Moines								
All Types of Practice	17	1	5	3	3	5	-	-
General Practitioner	14	1	4	2	2	5	-	-
Specialists	3	-	1	1	1	-	-	-
Oral Surgeon	2	-	-	1	1	-	-	-
Orthodontist	1	-	1	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Dickinson								
All Types of Practice	7	-	-	3	3	1	-	-
General Practitioner	6	-	-	3	2	1	-	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Dubuque								
All Types of Practice	44	-	8	11	14	2	7	2
General Practitioner	35	-	6	8	10	2	7	2
Specialists	9	-	2	3	4	-	-	-
Oral Surgeon	3	-	1	-	2	-	-	-
Orthodontist	3	-	1	-	2	-	-	-
Pedodontist	3	-	-	3	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Emmet								
All Types of Practice	8	1	1	3	1	2	-	-
General Practitioner	8	1	1	3	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Fayette								
All Types of Practice	9	-	3	2	3	-	1	-
General Practitioner	9	-	3	2	3	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Floyd								
All Types of Practice	8	1	3	-	3	-	1	-
General Practitioner	8	1	3	-	3	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Franklin								
All Types of Practice	5	1	-	-	2	2	-	-
General Practitioner	5	1	-	-	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Fremont								
All Types of Practice	2	-	1	-	1	-	-	-
General Practitioner	2	-	1	-	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Greene								
All Types of Practice	4	1	1	1	1	-	-	-
General Practitioner	4	1	1	1	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Grundy								
All Types of Practice	5	-	2	1	2	-	-	-
General Practitioner	5	-	2	1	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Guthrie								
All Types of Practice	1	-	-	1	-	-	-	-
General Practitioner	1	-	-	1	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Hamilton								
All Types of Practice	8	-	2	3	1	1	1	-
General Practitioner	8	-	2	3	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Hancock								
All Types of Practice	5	-	-	-1	1	2	1	-
General Practitioner	5	-	-	-1	1	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Hardin								
All Types of Practice	9	-	-	5	2	2	-	-
General Practitioner	9	-	-	5	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Harrison								
All Types of Practice	2	-	1	-	-	1	-	-
General Practitioner	2	-	1	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Henry								
All Types of Practice	7	1	1	1	2	1	1	-
General Practitioner	7	1	1	1	2	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Howard								
All Types of Practice	5	-	1	2	-	-	2	-
General Practitioner	5	-	1	2	-	-	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Humboldt								
All Types of Practice	6	-	1	1	1	1	1	1
General Practitioner	6	-	1	1	1	1	1	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Ida								
All Types of Practice	3	-	-	-	1	1	1	-
General Practitioner	3	-	-	-	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Iowa								
All Types of Practice	6	1	-	1	1	2	-	1
General Practitioner	6	1	-	1	1	2	-	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Jackson								
All Types of Practice	6	-	-	4	1	1	-	-
General Practitioner	5	-	-	4	1	-	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Jasper								
All Types of Practice	11	1	3	2	1	2	1	1
General Practitioner	11	1	3	2	1	2	1	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Jefferson								
All Types of Practice	5	1	2	-	1	1	-	-
General Practitioner	4	1	2	-	-	1	-	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Johnson								
All Types of Practice	30	1	9	10	6	3	1	-
General Practitioner	23	-	7	8	4	3	1	-
Specialists	7	1	2	2	2	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	5	-	1	2	2	-	-	-
Pedodontist	1	-	1	-	-	-	-	-
Periodontist	1	1	-	-	-	-	-	-
Jones								
All Types of Practice	5	-	1	1	2	1	-	-
General Practitioner	5	-	1	1	2	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Keokuk								
All Types of Practice	3	-	-	1	1	1	-	-
General Practitioner	3	-	-	1	1	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Kossuth								
All Types of Practice	9	-	2	1	-	1	4	1
General Practitioner	9	-	2	1	-	1	4	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-1	-	-	-	-
Lee								
All Types of Practice	18	-	3	3	5	4	3	-
General Practitioner	16	-	3	3	4	4	2	-
Specialists	2	-	-	-	1	-	1	-
Oral Surgeon	1	-	-	-	-	-	1	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Linn								
All Types of Practice	74	1	21	23	20	3	5	1
General Practitioner	57	1	16	18	14	2	5	1
Specialists	17	-	5	5	6	1	-	-
Oral Surgeon	5	-	1	2	2	-	-	-
Orthodontist	8	-	2	3	2	1	-	-
Pedodontist	3	-	1	-	2	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Louisa								
All Types of Practice	1	-	-	1	-	-	-	-
General Practitioner	1	-	-	1	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Lucas								
All Types of Practice	2	-	1	-	-	1	-	-
General Practitioner	2	-	1	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Lyon								
All Types of Practice	5	-	1	-	-	2	1	-
General Practitioner	5	-	1	-	-	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Madison								
All Types of Practice	3	1	-	-	1	-	-	-
General Practitioner	3	1	-	-	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Mahaska								
All Types of Practice	8	-	-	3	1	1	3	-
General Practitioner	8	-	-	3	1	1	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Marion								
All Types of Practice	10	2	2	3	1	-	2	-
General Practitioner	10	2	2	3	1	-	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Marshall								
All Types of Practice	18	1	3	-	7	-	2	-
General Practitioner	15	1	3	-	6	-	2	-
Specialists	3	-	-	2	1	-	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	2	-	-	2	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Mills								
All Types of Practice	2	-	-	1	1	-	-	-
General Practitioner	2	-	-	1	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Mitchell								
All Types of Practice	5	-	1	-	2	2	-	-
General Practitioner	5	-	1	-	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Monona								
All Types of Practice	2	-	1	-	-	-	-	-
General Practitioner	2	-	1	-	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Monroe								
All Types of Practice	3	-	2	-	-	1	-	-
General Practitioner	3	-	2	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Montgomery								
All Types of Practice	6	-	-	-	4	-	2	-
General Practitioner	6	-	-	-	4	-	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Muscatine								
All Types of Practice	14	1	2	3	2	5	1	-
General Practitioner	13	1	2	3	2	4	1	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
O'Brien								
All Types of Practice	7	-	1	4	1	-	1	-
General Practitioner	7	-	1	4	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Osceola								
All Types of Practice	2	-	-	1	-	1	-	-
General Practitioner	2	-	-	1	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Page								
All Types of Practice	10	-	3	1	3	3	-	-
General Practitioner	9	-	3	1	3	2	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Palo Alto								
All Types of Practice	4	1	1	1	-	-	1	-
General Practitioner	4	1	1	1	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Plymouth								
All Types of Practice	10	-	3	1	3	1	2	-
General Practitioner	10	-	3	1	3	1	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Pocahontas								
All Types of Practice	5	-	-	1	3	1	-	-
General Practitioner	5	-	-	1	3	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Polk								
All Types of Practice	149	7	31	45	41	13	12	-
General Practitioner	120	6	26	33	35	10	10	-
Specialists	29	1	5	12	6	3	2	-
Oral Surgeon	6	-	1	2	1	2	-	-
Orthodontist	12	-	1	6	3	1	1	-
Pedodontist	9	1	2	4	2	-	-	-
Periodontist	2	-	1	-	-	-	1	-
Pottawattamie								
All Types of Practice	29	-	7	9	7	5	1	-
General Practitioner	25	-	4	8	7	5	1	-
Specialists	4	-	3	1	-	-	-	-
Oral Surgeon	2	-	2	-	-	-	-	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Poweshiek								
All Types of Practice	7	-	3	1	1	2	-	-
General Practitioner	7	-	3	1	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Ringgold								
All Types of Practice	2	-	-	-	1	-	1	-
General Practitioner	2	-	-	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Sac								
All Types of Practice	5	-	1	-	1	2	1	-
General Practitioner	5	-	1	-	1	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Scott								
All Types of Practice	55	1	17	16	12	5	4	-
General Practitioner	44	1	12	11	11	5	4	-
Specialists	11	-	5	5	1	-	-	-
Oral Surgeon	3	-	2	-	1	-	-	-
Orthodontist	4	-	2	2	-	-	-	-
Pedodontist	3	-	-	3	-	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Shelby								
All Types of Practice	4	-	1	2	1	-	-	-
General Practitioner	4	-	1	2	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Sioux								
All Types of Practice	13	1	3	3	-	3	3	-
General Practitioner	13	1	3	3	-	3	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Story								
All Types of Practice	19	1	3	6	5	3	1	-
General Practitioner	16	1	2	5	5	2	1	-
Specialists	3	-	1	1	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	3	-	1	1	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Tama								
All Types of Practice	4	-	2	1	-	1	-	-
General Practitioner	3	-	2	1	-	-	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Taylor								
All Types of Practice	2	-	1	-	-	-	1	-
General Practitioner	2	-	1	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Union								
All Types of Practice	4	1	-	1	2	-	-	-
General Practitioner	4	1	-	1	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Van Buren								
All Types of Practice	2	-	-	-	1	-	1	-
General Practitioner	2	-	-	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Wapello								
All Types of Practice	12	-	4	5	1	1	1	-
General Practitioner	8	-	2	4	1	1	-	-
Specialists	4	-	2	1	-	-	1	-
Oral Surgeon	2	-	1	-	-	-	1	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Warren								
All Types of Practice	5	-	1	3	-	1	-	-
General Practitioner	5	-	1	3	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Washington								
All Types of Practice	7	-	4	-	1	2	-	-
General Practitioner	7	-	4	-	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Wayne								
All Types of Practice	2	-	1	-	1	-	-	-
General Practitioner	2	-	1	-	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Webster								
All Types of Practice	22	2	4	4	7	4	1	-
General Practitioner	18	2	3	3	6	3	1	-
Specialists	4	-	1	1	1	1	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	3	-	1	1	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, and County and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Winnebago								
All Types of Practice	9	-	4	3	-	1	1	-
General Practitioner	9	-	4	3	-	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Winneshiek								
All Types of Practice	9	-	1	4	1	1	2	-
General Practitioner	8	-	1	4	-	1	2	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Woodbury								
All Types of Practice	48	2	7	10	12	6	10	1
General Practitioner	38	2	4	6	10	6	10	-
Specialists	10	-	3	4	2	-	-	1
Oral Surgeon	3	-	-	1	2	-	-	-
Orthodontist	3	-	1	1	-	-	-	1
Pedodontist	3	-	1	2	-	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Worth								
All Types of Practice	3	-	1	-	1	-	1	-
General Practitioner	3	-	1	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Wright								
All Types of Practice	7	-	3	1	2	-	1	-
General Practitioner	7	-	3	1	2	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Table 5: Number of Dentists by State, Region and County, and Type of Practice By Age of Dentists

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
STATE								
All Types of Practice	1,108	43	254	284	259	139	120	9
General Practitioner	970	41	216	237	225	127	116	8
Specialists	138	2	38	47	34	12	4	1
Oral Surgeon	33	-	9	7	13	2	2	-
Orthodontist	72	-	20	25	16	9	1	1
Pedodontist	26	1	5	14	5	1	-	-
Periodontist	7	1	4	1	-	-	1	-
Region 1								
All Types of Practice	37	2	6	9	7	5	8	-
General Practitioner	36	2	6	9	6	5	8	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Allamakee								
All Types of Practice	8	2	-	-	1	2	3	-
General Practitioner	8	2	-	-	1	2	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clayton								
All Types of Practice	6	-	1	1	2	2	-	-
General Practitioner	6	-	1	1	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Fayette								
All Types of Practice	9	-	3	2	3	-	1	-
General Practitioner	9	-	3	2	3	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Howard								
All Types of Practice	5	-	1	2	-	-	2	-
General Practitioner	5	-	1	2	-	-	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Winneshiek								
All Types of Practice	9	-	1	4	1	1	2	-
General Practitioner	8	-	1	4	-	1	2	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 2								
All Types of Practice	72	2	19	12	16	12	9	2
General Practitioner	64	2	17	10	13	11	9	2
Specialists	8	-	2	2	3	1	-	-
Oral Surgeon	2	-	-	-	2	-	-	-
Orthodontist	5	-	2	1	1	1	-	-
Pedodontist	1	-	-	1	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Cerro Gordo								
All Types of Practice	28	-	8	7	7	4	1	1
General Practitioner	20	-	6	5	4	3	1	1
Specialists	8	-	2	2	3	1	-	-
Oral Surgeon	2	-	-	-	2	-	-	-
Orthodontist	5	-	2	1	1	1	-	-
Pedodontist	1	-	-	1	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Floyd								
All Types of Practice	8	1	3	-	3	-	1	-
General Practitioner	8	1	3	-	3	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Franklin								
All Types of Practice	5	1	-	-	2	2	-	-
General Practitioner	5	1	-	-	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Hancock								
All Types of Practice	5	-	-	1	1	2	1	-
General Practitioner	5	-	-	1	1	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Kossuth								
All Types of Practice	9	-	2	1	-	1	4	1
General Practitioner	9	-	2	1	-	1	4	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Mitchell								
All Types of Practice	5	-	1	-	2	2	-	-
General Practitioner	5	-	1	-	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Winnebago								
All Types of Practice	9	-	4	3	-	1	1	-
General Practitioner	9	-	4	3	-	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Worth								
All Types of Practice	3	-	1	-	1	-	1	-
General Practitioner	3	-	1	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 3								
All Types of Practice	66	3	15	21	11	9	7	-
General Practitioner	63	3	14	21	9	9	7	-
Specialists	3	-	1	-	2	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	3	-	1	-	2	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Buena Vista								
All Types of Practice	10	-	4	3	2	-	1	-
General Practitioner	10	-	4	3	2	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clay								
All Types of Practice	10	-	4	2	4	-	-	-
General Practitioner	8	-	3	2	3	-	-	-
Specialists	2	-	1	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	2	-	1	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Dickinson								
All Types of Practice	7	-	-	3	3	1	-	-
General Practitioner	6	-	-	3	2	1	-	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Emmet								
All Types of Practice	8	1	1	3	1	2	-	-
General Practitioner	8	1	1	3	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Lyon								
All Types of Practice	5	-	1	1	-	2	1	-
General Practitioner	5	-	1	1	-	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
O'Brien								
All Types of Practice	7	-	1	4	1	-	1	-
General Practitioner	7	-	1	4	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Osceola								
All Types of Practice	2	-	-	1	-	1	-	-
General Practitioner	2	-	-	1	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Palo Alto								
All Types of Practice	4	1	1	1	-	-	1	-
General Practitioner	4	1	1	1	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Sioux								
All Types of Practice	13	1	3	3	-	3	3	-
General Practitioner	13	1	3	3	-	3	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 4								
All Types of Practice	70	2	14	13	17	8	15	1
General Practitioner	60	2	11	9	15	8	15	-
Specialists	10	-	3	4	2	-	-	1
Oral Surgeon	3	-	-	1	2	-	-	-
Orthodontist	3	-	1	1	-	-	-	1
Pedodontist	3	-	1	2	-	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Cherokee								
All Types of Practice	7	-	3	2	1	-	1	-
General Practitioner	7	-	3	2	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Ida								
All Types of Practice	3	-	-	-	1	1	1	-
General Practitioner	3	-	-	-	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Monona								
All Types of Practice	2	-	1	-	-	-	1	-
General Practitioner	2	-	1	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Plymouth								
All Types of Practice	10	-	3	1	3	1	2	-
General Practitioner	10	-	3	1	3	1	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Woodbury								
All Types of Practice	48	2	7	10	12	6	10	1
General Practitioner	38	2	4	6	10	6	10	-
Specialists	10	-	3	4	2	-	-	1
Oral Surgeon	3	-	-	1	2	-	-	-
Orthodontist	3	-	1	1	-	-	-	1
Pedodontist	3	-	1	2	-	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Region 5								
All Types of Practice	55	3	12	10	16	8	5	1
General Practitioner	51	3	11	9	15	7	5	1
Specialists	4	-	1	1	1	1	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	3	-	1	1	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Calhoun								
All Types of Practice	7	1	2	-	2	1	1	-
General Practitioner	7	1	2	-	2	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Hamilton								
All Types of Practice	8	-	2	3	1	1	1	-
General Practitioner	8	-	2	3	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Humboldt								
All Types of Practice	6	-	1	1	1	1	1	1
General Practitioner	6	-	1	1	1	1	1	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Pocahontas								
All Types of Practice	5	-	-	1	3	1	-	-
General Practitioner	5	-	-	1	3	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Webster								
All Types of Practice	22	2	4	4	7	4	1	-
General Practitioner	18	2	3	3	6	3	1	-
Specialists	4	-	1	1	1	1	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	3	-	1	1	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Wright								
All Types of Practice	7	-	3	1	2	-	1	-
General Practitioner	7	-	3	1	2	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 6								
All Types of Practice	38	1	8	12	10	5	2	-
General Practitioner	34	1	8	10	9	4	2	-
Specialists	4	-	-	2	1	1	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	3	-	-	2	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Hardin								
All Types of Practice	9	-	-	5	2	2	-	-
General Practitioner	9	-	-	5	2	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Marshall								
All Types of Practice	18	1	3	5	7	-	2	-
General Practitioner	15	1	3	3	6	-	2	-
Specialists	3	-	-	2	1	-	-	-
Oral Surgeon	1	-	-	-	1	-	-	-
Orthodontist	2	-	-	2	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Poweshiek								
All Types of Practice	7	-	3	1	1	2	-	-
General Practitioner	7	-	3	1	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Tama								
All Types of Practice	4	-	2	1	-	1	-	-
General Practitioner	3	-	2	1	-	-	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 7								
All Types of Practice	82	4	18	28	18	4	10	-
General Practitioner	72	4	14	24	17	3	10	-
Specialists	10	-	4	4	1	1	-	-
Oral Surgeon	2	-	1	1	-	-	-	-
Orthodontist	5	-	3	1	1	-	-	-
Pedodontist	2	-	-	1	-	1	-	-
Periodontist	1	-	-	1	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Bremer								
All Types of Practice	12	1	2	4	1	1	3	-
General Practitioner	12	1	2	4	1	1	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Buchanan								
All Types of Practice	5	-	-	3	1	1	-	-
General Practitioner	5	-	-	3	1	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Butler								
All Types of Practice	2	-	-	2	-	-	-	-
General Practitioner	2	-	-	2	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Chickasaw								
All Types of Practice	4	-	-	2	1	-	1	-
General Practitioner	4	-	-	2	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Grundy								
All Types of Practice	5	-	2	1	2	-	-	-
General Practitioner	5	-	2	1	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Region 8								
All Types of Practice	54	-	10	16	15	4	7	2
General Practitioner	44	-	8	13	11	3	7	2
Specialists	10	-	2	3	4	1	-	-
Oral Surgeon	3	-	1	-	2	-	-	-
Orthodontist	4	-	1	-	2	1	-	-
Pedodontist	3	-	-	3	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Delaware								
All Types of Practice	4	-	2	1	-	1	-	-
General Practitioner	4	-	2	1	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Dubuque								
All Types of Practice	44	-	8	11	14	2	7	2
General Practitioner	35	-	6	8	10	2	7	2
Specialists	9	-	2	3	4	-	-	-
Oral Surgeon	3	-	1	-	2	-	-	-
Orthodontist	3	-	1	-	2	-	-	-
Pedodontist	3	-	-	3	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Jackson								
All Types of Practice	6	-	-	4	1	1	-	-
General Practitioner	5	-	-	4	1	-	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 9								
All Types of Practice	93	2	24	25	21	13	8	-
General Practitioner	78	2	18	19	1	12	8	-
Specialists	15	-	6	6	2	1	-	-
Oral Surgeon	3	-	2	-	1	-	-	-
Orthodontist	7	-	3	3	-	1	-	-
Pedodontist	4	-	-	3	1	-	-	-
Periodontist	1	-	1	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Clinton								
All Types of Practice	24	-	5	6	7	3	3	-
General Practitioner	21	-	4	5	6	3	3	-
Specialists	3	-	1	1	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	1	-	-	-	1	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Muscatine								
All Types of Practice	14	1	2	3	2	5	1	-
General Practitioner	13	1	2	3	2	4	1	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Scott								
All Types of Practice	55	1	17	16	12	5	4	-
General Practitioner	44	1	12	11	11	5	4	-
Specialists	11	-	5	5	1	-	-	-
Oral Surgeon	3	-	2	-	1	-	-	-
Orthodontist	4	-	2	2	-	-	-	-
Pedodontist	3	-	-	3	-	-	-	-
Periodontist	1	-	1	-	-	-	-	-
Region 10								
All Types of Practice	132	4	37	37	33	12	7	2
General Practitioner	108	3	30	30	25	11	7	2
Specialists	24	1	7	7	8	1	-	-
Oral Surgeon	5	-	1	2	2	-	-	-
Orthodontist	13	-	3	5	4	1	-	-
Pedodontist	2	-	2	-	2	-	-	-
Periodontist	2	1	1	-	-	-	-	-
Benton								
All Types of Practice	6	1	1	1	2	1	-	-
General Practitioner	6	1	1	1	2	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Cedar								
All Types of Practice	4	-	1	1	1	-	1	-
General Practitioner	4	-	1	1	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Iowa								
All Types of Practice	6	1	-	1	1	2	-	1
General Practitioner	6	1	-	1	1	2	-	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Johnson								
All Types of Practice	30	1	9	10	6	3	1	-
General Practitioner	23	-	7	8	4	3	1	-
Specialists	7	1	2	2	2	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	5	-	1	2	2	-	-	-
Pedodontist	1	-	1	-	-	-	-	-
Periodontist	1	1	-	-	-	-	-	-
Jones								
All Types of Practice	5	-	1	1	2	1	-	-
General Practitioner	5	-	1	1	2	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Linn								
All Types of Practice	74	1	21	23	20	3	5	1
General Practitioner	57	1	16	18	14	2	5	1
Specialists	17	-	5	5	6	1	-	-
Oral Surgeon	5	-	1	2	2	-	-	-
Orthodontist	8	-	2	3	2	1	-	-
Pedodontist	3	-	1	-	2	-	-	-
Periodontist	1	-	1	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Washington								
All Types of Practice	7	-	4	-	1	2	-	-
General Practitioner	7	-	4	-	1	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 11								
All Types of Practice	216	14	45	61	51	24	20	1
General Practitioner	184	13	39	48	45	20	18	1
Specialists	32	1	6	13	6	4	2	-
Oral Surgeon	6	-	1	2	1	2	-	-
Orthodontist	15	-	2	7	3	2	1	-
Pedodontist	9	1	2	4	2	-	-	-
Periodontist	2	-	1	-	-	-	1	-
Boone								
All Types of Practice	10	1	3	-	2	2	2	-
General Practitioner	10	1	3	-	2	2	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Dallas								
All Types of Practice	9	1	2	1	1	2	2	-
General Practitioner	9	1	2	1	1	2	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Jasper								
All Types of Practice	11	1	3	2	1	2	1	1
General Practitioner	11	1	3	2	1	2	1	1
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Madison								
All Types of Practice	3	1	-	1	-	1	-	-
General Practitioner	3	1	-	1	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Marion								
All Types of Practice	10	2	2	3	1	-	2	-
General Practitioner	10	2	2	3	1	-	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Polk								
All Types of Practice	149	7	31	45	41	13	12	-
General Practitioner	120	6	26	33	35	10	10	-
Specialists	29	1	5	12	6	3	2	-
Oral Surgeon	6	-	1	2	1	2	-	-
Orthodontist	12	-	1	6	3	1	1	-
Pedodontist	9	1	2	4	2	-	-	-
Periodontist	2	-	1	-	-	-	1	-
Story								
All Types of Practice	19	1	3	6	5	3	1	-
General Practitioner	16	1	2	5	5	2	1	-
Specialists	3	-	1	1	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	3	-	1	1	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Warren								
All Types of Practice	5	-	1	3	-	1	-	-
General Practitioner	5	-	1	3	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Region 12								
All Types of Practice	26	1	7	6	5	6	1	-
General Practitioner	25	1	7	5	5	6	1	-
Specialists	1	-	-	1	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Audubon								
All Types of Practice	2	-	-	-	2	-	-	-
General Practitioner	2	-	-	-	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Carroll								
All Types of Practice	8	-	2	3	1	2	-	-
General Practitioner	7	-	2	2	1	2	-	-
Specialists	1	-	-	1	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Crawford								
All Types of Practice	6	-	3	1	-	2	-	-
General Practitioner	6	-	3	1	-	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Greene								
All Types of Practice	4	1	1	1	1	-	-	-
General Practitioner	4	1	1	1	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, by Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Guthrie								
All Types of Practice	1	-	-	1	-	-	-	-
General Practitioner	1	-	-	1	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Sac								
All Types of Practice	5	-	1	-	1	2	1	-
General Practitioner	5	-	1	-	1	2	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 13								
All Types of Practice	63	-	16	15	17	11	4	-
General Practitioner	57	-	13	13	17	10	4	-
Specialists	6	-	3	2	-	1	-	-
Oral Surgeon	2	-	2	-	-	-	-	-
Orthodontist	4	-	1	2	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Cass								
All Types of Practice	8	-	3	2	-	2	1	-
General Practitioner	7	-	3	1	-	2	1	-
Specialists	1	-	-	1	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Fremont								
All Types of Practice	2	-	1	-	1	-	-	-
General Practitioner	2	-	1	-	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Harrison								
All Types of Practice	2	-	1	-	-	1	-	-
General Practitioner	2	-	1	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Mills								
All Types of Practice	2	-	-	1	1	-	-	-
General Practitioner	2	-	-	1	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Montgomery								
All Types of Practice	6	-	-	-	4	2	-	-
General Practitioner	6	-	-	-	4	2	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Page								
All Types of Practice	10	-	3	1	3	3	-	-
General Practitioner	9	-	3	1	3	2	-	-
Specialists	1	-	-	-	-	1	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	-	1	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Pottawattamie								
All Types of Practice	29	-	7	9	7	5	1	-
General Practitioner	25	-	4	8	7	5	1	-
Specialists	4	-	3	1	-	-	-	-
Oral Surgeon	2	-	2	-	-	-	-	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Shelby								
All Types of Practice	4	-	1	2	1	-	-	-
General Practitioner	4	-	1	2	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 14								
All Types of Practice	17	2	3	1	4	1	6	-
General Practitioner	17	2	3	1	4	1	6	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Adair								
All Types of Practice	4	-	-	-	1	1	2	-
General Practitioner	4	-	-	-	1	1	2	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Adams								
All Types of Practice	1	1	-	-	-	-	-	-
General Practitioner	1	1	-	-	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Clark								
All Types of Practice	1	-	-	-	-	-	1	-
General Practitioner	1	-	-	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Decatur								
All Types of Practice	3	-	2	-	-	-	1	-
General Practitioner	3	-	2	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Ringgold								
All Types of Practice	2	-	-	-	1	-	1	-
General Practitioner	2	-	-	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Taylor								
All Types of Practice	2	-	1	-	-	-	1	-
General Practitioner	2	-	1	-	-	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Union								
All Types of Practice	4	1	-	1	2	-	-	-
General Practitioner	4	1	-	1	2	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 15								
All Types of Practice	44	1	11	10	8	7	7	-
General Practitioner	39	1	9	9	7	7	6	-
Specialists	5	-	2	1	1	-	1	-
Oral Surgeon	2	-	1	-	-	-	-	-
Orthodontist	3	-	1	1	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice,
By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Appanoose								
All Types of Practice	4	-	-	1	1	1	1	-
General Practitioner	4	-	-	1	1	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Davis								
All Types of Practice	3	-	1	-	1	-	1	-
General Practitioner	3	-	1	-	1	-	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Jefferson								
All Types of Practice	5	1	2	-	1	1	-	-
General Practitioner	4	1	2	-	-	1	-	-
Specialists	1	-	-	-	1	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Lucas								
All Types of Practice	2	-	1	-	-	1	-	-
General Practitioner	2	-	1	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Mahaska								
All Types of Practice	8	-	-	3	1	1	3	-
General Practitioner	8	-	-	3	1	1	3	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Monroe								
All Types of Practice	3	-	2	-	-	1	-	-
General Practitioner	3	-	2	-	-	1	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Wapello								
All Types of Practice	12	-	4	5	1	1	1	-
General Practitioner	8	-	2	4	1	1	-	-
Specialists	4	-	2	1	-	-	1	-
Oral Surgeon	2	-	1	-	-	-	1	-
Orthodontist	2	-	1	1	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Wayne								
All Types of Practice	2	-	1	-	1	-	-	-
General Practitioner	2	-	1	-	1	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Region 16								
All Types of Practice	43	2	9	8	10	10	4	-
General Practitioner	38	2	8	7	8	10	3	-
Specialists	5	-	1	1	2	-	1	-
Oral Surgeon	3	-	-	1	1	-	1	-
Orthodontist	2	-	1	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Des Moines								
All Types of Practice	17	1	5	3	3	5	-	-
General Practitioner	14	1	4	2	2	5	-	-
Specialists	3	-	1	1	1	-	-	-
Oral Surgeon	2	-	-	1	1	-	-	-
Orthodontist	1	-	1	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

Number of Dentists by State, Region and County, and Type of Practice, By Age of Dentists (continued)

County and Type of Practice	All Ages	-29	30-39	40-49	50-59	60-69	70+	Not Stated
Henry								
All Types of Practice	7	1	1	1	2	1	1	-
General Practitioner	7	1	1	1	2	1	1	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Lee								
All Types of Practice	18	-	3	3	5	4	3	-
General Practitioner	16	-	3	3	4	4	2	-
Specialists	2	-	-	-	1	-	1	-
Oral Surgeon	1	-	-	-	-	-	1	-
Orthodontist	1	-	-	-	1	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-
Louisa								
All Types of Practice	1	-	-	1	-	-	-	-
General Practitioner	1	-	-	1	-	-	-	-
Specialists	-	-	-	-	-	-	-	-
Oral Surgeon	-	-	-	-	-	-	-	-
Orthodontist	-	-	-	-	-	-	-	-
Pedodontist	-	-	-	-	-	-	-	-
Periodontist	-	-	-	-	-	-	-	-

IV. LOCATIONS OF DENTISTS BY CITY SIZE

Table 6

Most of the dentists in Iowa are located in the larger cities. Actually, 60 percent of the dentists practice in 27 cities where the population is at least 10,000 in each city. Even larger sized cities, with 25,000 or more residents, are the locations for about half of the dentists in the state. The larger cities were also the home residence of a considerable proportion of Iowa dentists before dental college.

Among the dentists who stated the names of their home towns before entering dental college, 44 percent were from cities of 10,000 or more residents and 39 percent originally lived in cities with 25,000 or more inhabitants. Over a third, 35 percent, of Iowa dentists were reared in smaller towns where the populations number less than 2,500.

Three-fourths of the dentists from smaller home towns migrated to more highly populated locations. About one-third established practices in cities with 2,500 to 10,000 residents while 37 percent relocated in the larger cities of at least 25,000 population.

Within the group of dentists who are former residents of cities having 2,500 to 5,000 inhabitants, about a third established practices in cities of the same size. Another third went to the 16 larger cities where at least 25,000 people live.

A considerable proportion, 42 percent of dentists from cities with 5,000 to 10,000 people, decided to locate in the same sized cities after graduation from dental college. However, one-third moved to larger cities of 25,000 or greater populations.

Nearly half, 44 percent of the dentists who formerly resided in cities

with populations ranging from 10,000 to 25,000 established practices in cities of that size. The larger cities were selected by 38 percent.

Among the dentists from home towns of 50,000 to 100,000 inhabitants, nearly two-thirds chose to practice in the same sized cities: Council Bluffs, Dubuque, Sioux City, and Waterloo.

A majority, 7 of 10, of former Cedar Rapids, Davenport, and Des Moines residents decided to practice dentistry in the same cities (over 100,000 populations).

Apparently, as the size of a dentist's home town increases, from smaller classifications to larger, the probability of the dentist establishing a practice in a city of the same size also increases.

V. EDUCATIONAL BACKGROUND OF DENTISTS

Table 7

The University of Iowa College of Dentistry is the alma mater of the large majority of Iowa dentists. Graduates from the Iowa City college represent 80 percent of all the dentists in the state.

Considering the group of specialists, an even greater majority, 86 percent, completed their graduate work at the University of Iowa.

Creighton University School of Dentistry was the college of attendance for the largest number of the out of state graduates. The Omaha school can claim 44 percent of the Iowa dentists who attended dental college outside the Hawkeye State.

Table 6: Number of Dentists by City Size of Home Town
By City Size of Place of Practice

City Size of Home Town	Total	Under 2,500	2,500 to 5,000	5,000 to 10,000	10,000 to 25,000	25,000 to 50,000	50,000 to 100,000	100,000+
Total	1,196	174	128	180	82	228	194	210
Under 2,500	364	91	52	71	15	48	28	59
2,500 to 5,000	104	17	36	8	6	16	8	13
5,000 to 10,000	123	13	7	52	10	21	10	10
10,000 to 25,000	50	4	2	3	22	9	7	3
25,000 to 50,000	141	14	9	8	5	80	10	15
50,000 to 100,000	156	12	8	12	4	8	102	10
100,000+	116	7	2	9	7	6	3	82
Not Stated	142	16	12	17	13	40	26	18

Table 7: Number of Dentists by Dental College of Graduation
By Type of Practice

Dental College of Graduation	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Orthodontist	Pedodontist	Periodontist	Other
TOTAL	1,196	970	138	33	72	26	7	88
California								
Loma Linda Univ.	1	-	-	-	-	-	-	1
Not Stated	1	-	1	-	1	-	-	-
Washington - D.C.								
Georgetown Univ.	1	1	-	-	-	-	-	-
Illinois								
Univ. of Illinois	4	4	-	-	-	-	-	-
Northwestern Univ.	15	10	2	-	2	-	-	3
Loyola Univ.	14	11	1	-	-	1	-	2
Indiana								
Indiana Dental College	1	1	-	-	-	-	-	-
Iowa								
Univ. of Iowa	955	769	118	29	62	20	7	68
Kentucky								
Univ. of Louisville	3	3	-	-	-	-	-	-
Not Stated	2	1	1	-	1	-	-	-
Louisiana								
Loyola Univ.	1	-	-	-	-	-	-	1
Maryland								
Baltimore College	1	1	-	-	-	-	-	-

Table 7: Number of Dentists by Dental College of Graduation
By Type of Practice

Dental College of Graduation	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Orthodontist	Pedodontist	Periodontist	Other
Michigan								
Univ. of Detroit	2	2	-	-	-	-	-	-
Minnesota								
Univ. of Minnesota	14	12	-	-	-	-	-	2
Missouri								
Kansas City - Western	1	1	-	-	-	-	-	-
St. Louis Univ.	19	15	4	1	1	2	-	-
Washington Univ.	3	2	1	1	-	-	-	3
Univ. of Kansas City	7	4	-	-	-	-	-	-
Not Stated	2	1	1	1	-	-	-	-
Nebraska								
Creighton Univ.	105	102	3	-	2	1	-	-
Univ. of Nebraska	16	13	1	-	-	1	-	2
New York								
New York Univ.	1	-	-	-	-	-	-	1
Ohio								
Ohio State Univ.	3	1	1	1	-	-	-	1
Oregon								
Univ. of Oregon	1	1	-	-	-	-	-	-
Pennsylvania								
Univ. of Pennsylvania	3	1	1	-	1	-	-	1
Univ. of Pittsburgh	3	2	-	-	-	-	-	1

Table 7: Number of Dentists by Dental College of Graduation By Type of Practice

Dental College of Graduation	All Types Of Practice	General Practitioner	All Specialists	Oral Surgeon	Ortho-dontist	Pedo-dontist	Perio-dontist	Other
Texas	2	2	-	-	-	-	-	-
Baylor Univ.	12	8	2	-	2	-	-	2
Wisconsin	3	2	1	-	-	1	-	-
Marquette Univ.	1	1	-	-	-	-	-	-
Not Stated	1	1	-	-	-	-	-	-
Dental College of Graduation	1,198	570	118	33	71	26	7	148

VI. OPERATORIES

Table 8

The average number of operatories for dentists in general practice is two; the average number of operatories for specialists is three.

Although the type of practice is a factor, age doesn't seem to be a factor in determining the number of operatories utilized by Iowa dentists.

Table 8: Average Number of Operatories
By Type of Practice and Age of Dentists

TYPE OF PRACTICE	MEAN	MEDIAN
ALL TYPES OF PRACTICE	2	2
GENERAL PRACTITIONER	2	2
ALL SPECIALIST	3	3
Oral Surgeon	3	3
Orthodontist	3	3
Pedodontist	3	2
Periodontist	3	3

AGE	MEAN	MEDIAN
ALL AGE GROUPS	2	2
-29	2	2
30-34	2	2
35-39	3	2
40-44	2	2
45-49	2	2
50-54	2	2
55-59	2	2
60-64	2	2
65-69	2	2
70+	2	1

VII. AUXILIARY PERSONNEL

Table 9

More dental assistants are employed by Iowa dentists than any of the other 4 types of auxiliary personnel. In fact, the number of full-time assistants exceeds the combined total of full-time hygienists, laboratory technicians, and secretary-receptionists.

Full-time secretary-receptionists, the second most numerous type of personnel, represent about a third the total full-time employees.

Nearly half of the part-time personnel are assistants. Actually, the number of part-time assistants is nearly twice the number of part-time secretary-receptionists and is more than double the number of hygienists.

Considerably more part-time hygienists are employed by dentists than full-time hygienists. Only 5 percent of the total full-time employees are hygienists, but hygienists represent 23 percent of the total part-time personnel.

Table 10

Previous statements concerning the county locations of dentists in Iowa are also true regarding the locations of auxiliary personnel. As expected, Polk, Linn, Black Hawk, Scott, Woodbury, and Dubuque Counties are the places of employment for the largest numbers of auxiliary personnel. The one dentist in Louisa County employs no auxiliary personnel while one assistant is employed by each of the dentists in Clarke and Guthrie Counties. With the exception of Adams County, the smallest numbers of auxiliaries are located in the counties with the smallest number of dentists. Numbers alone can be useful, but another basis for comparing auxiliary personnel in different counties is the average number of auxiliaries employed by each dentist. The average for the state is 2.1.

The counties with the largest numbers of auxiliary personnel do not rank among the counties having the highest average numbers of auxiliaries. In Cass, Jasper, Warren, Audubon, and Butler Counties the averages range from 3.5 to 3.8 auxiliaries for each dentist. Averages in the six highly populated counties, mentioned previously, range from 1.9 to 2.5.

Appanoose and Allamakee Counties have an average of less than one assistant for each dentist. In five counties, each dentist employs the services of only one auxiliary - the same as the average in the counties with the fewest auxiliary personnel.

Just as large numbers of dentists don't necessarily indicate low population-dentists ratios, large numbers of auxiliary personnel don't always reflect high average numbers of auxiliaries. The same observation is true for small numbers of dentists and auxiliary personnel, only visa versa.

Table 10

Table 9: Number of Auxiliary Personnel Employed by Dentists At Time Of Survey

Type of Personnel	Full-time	Part-time
TOTAL	1,815	664
Hygienists	85	154
Assistants	1,090	313
Laboratory Technicians	44	39
Secretary-Receptionists	596	158

Table 10: Number of Part-time and Full-time Auxiliary Personnel
By State and County, By Type of Personnel

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
STATE	2,479	239	1,403	83	754
Adair	6	-	4	-	2
Adams	3	-	1	1	1
Allamakee	7	-	6	-	1
Appanoose	3	-	3	-	-
Audubon	7	-	5	1	1
Benton	9	-	4	-	5
Black Hawk	164	14	87	9	54
Boone	14	-	11	-	3
Bremer	30	3	17	-	10
Buchanan	11	-	7	-	4
Buena Vista	19	2	10	-	7
Butler	7	1	6	-	-
Calhoun	11	-	8	-	3
Carroll	16	-	9	-	7
Cass	30	5	15	3	7
Cedar	5	1	3	-	1
Cerro Gordo	65	6	39	2	18
Cherokee	15	2	9	-	4
Chicksaw	6	-	3	-	3
Clarke	1	-	1	-	-
Clay	24	2	11	2	9
Clayton	9	-	7	-	2
Clinton	53	6	31	1	15
Crawford	14	1	9	-	4
Dallas	22	2	15	-	5
Davis	6	-	4	1	1
Decatur	3	-	2	-	1
Delaware	7	-	4	-	3
Des Moines	38	3	22	-	13
Dickinson	16	1	11	-	4
Dubuque	92	10	51	-	31
Emmet	22	1	14	-	7
Fayette	14	-	7	1	6
Floyd	19	2	13	-	4
Franklin	11	-	8	-	3
Fremont	3	-	2	-	1
Greene	8	-	5	-	3
Grundy	6	-	3	-	3
Guthrie	1	-	1	-	-
Hamilton	17	-	11	-	6
Hancock	8	-	6	-	2
Hardin	18	1	10	-	7

Number of Part-time and Full-time Auxiliary Personnel
By State and County, By Type of Personnel (continued)

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
Harrison	3	-	3	-	-
Henry	13	1	8	-	4
Howard	7	-	4	-	3
Humboldt	15	1	8	-	6
Ida	4	-	3	-	1
Iowa	7	1	5	-	1
Jackson	12	2	6	-	4
Jasper	41	2	25	-	14
Jefferson	15	3	8	-	4
Johnson	88	21	41	6	20
Jones	9	-	7	-	2
Keokuk	10	-	7	1	2
Kossuth	20	-	13	-	7
Lee	40	-	30	-	10
Linn	170	27	86	4	53
Louisa	-	-	-	-	-
Lucas	3	-	2	-	1
Lyon	7	-	5	-	2
Madison	5	-	3	-	2
Mahaska	15	1	10	-	4
Marion	19	1	12	-	6
Marshall	43	6	22	2	13
Mills	3	-	2	-	1
Mitchell	11	-	7	1	3
Monona	3	-	2	-	1
Monroe	9	2	6	-	1
Montgomery	8	-	4	-	4
Muscatine	28	5	10	1	12
O'Brien	12	2	6	-	4
Osceola	3	-	2	-	1
Page	16	-	9	-	7
Palo Alto	8	-	5	-	3
Plymouth	19	3	14	1	1
Pocahontas	7	-	5	-	2
Polk	374	42	191	21	120
Pottawattamie	54	2	34	3	15
Poweshiek	18	5	7	3	3
Ringgold	2	-	-	-	2
Sac	7	-	4	-	3
Scott	145	23	74	4	44
Shelby	8	-	4	-	4
Sioux	17	-	12	-	5
Story	54	8	26	7	13
Tama	7	-	5	-	2
Taylor	6	1	4	-	1

Number of Part-time and Full-time Auxiliary Personnel
By State and County, By Type of Personnel (continued)

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
Union	13	-	8	-	5
Van Buren	2	-	1	-	1
Wapello	31	2	14	2	13
Warren	18	2	10	-	6
Washington	11	-	7	-	4
Wayne	2	-	1	-	1
Webster	52	4	31	2	15
Winnebago	18	-	15	-	3
Winneshiek	19	2	13	-	4
Woodbury	92	6	57	4	25
Worth	4	1	2	-	1
Wright	12	-	8	-	4

Table 11

Although, the average numbers of auxiliary personnel per dentist range from 1.5 in Region 1 to 2.7 for Region 7, the remaining regions all average about 2 auxiliary personnel for each dentist.

However, considerable differences exist concerning the numbers of auxiliary personnel in certain regions. Actually, more than half of all the auxiliary personnel, 52 percent are employed in Regions 7, 9, 10, and 11. Dentists in those same regions employ nearly half of the dental assistants, 49 percent. About 6 out of 10 hygienists work in Regions 9, 10, and 11. Dentists in Regions 7, 10, and 11 employ 57 percent of the laboratory technicians and 44 percent of the secretary-receptionists.

Table 11: Number of Part-time and Full-time Auxiliary Personnel
By State, Region and County, By Type of Personnel

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
STATE	2,479	239	1,403	83	754
Region 1	56	2	37	1	16
Allamakee	7	-	6	-	1
Clayton	9	-	7	-	2
Fayette	14	-	7	1	6
Howard	7	-	4	-	3
Winneshiek	19	2	13	-	4
Region 2	156	9	103	3	41
Cerro Gordo	65	6	39	2	18
Floyd	19	2	13	-	4
Franklin	11	-	8	-	3
Hancock	8	-	6	-	2
Kossuth	20	-	13	-	7
Mitchell	11	-	7	1	3
Winnebago	18	-	15	-	3
Worth	4	1	2	-	1
Region 3	128	8	76	2	42
Buena Vista	19	2	10	-	7
Clay	24	2	11	2	9
Dickinson	16	1	11	-	4
Emmet	22	1	14	-	7
Lyon	7	-	5	-	2
O'Brien	12	2	6	-	4
Osceola	3	-	2	-	1
Palo Alto	8	-	5	-	3
Sioux	17	-	12	-	5
Region 4	133	11	85	5	32
Cherokee	15	2	9	-	4
Ida	4	-	3	-	1
Monona	3	-	2	-	1
Plymouth	19	3	14	1	1
Woodbury	92	6	57	4	25
Region 5	114	5	71	2	36
Calhoun	11	-	8	-	3
Hamilton	17	-	11	-	6
Humboldt	15	1	8	-	6
Pocahontas	7	-	5	-	2
Webster	52	4	31	2	15
Wright	12	-	8	-	4

Number of Part-time and Full-time Auxiliary Personnel
By State, Region and County, By Type of Personnel (continued)

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
Region 6	86	12	44	5	25
Hardin	18	1	10	-	7
Marshall	43	6	22	2	13
Poweshiek	18	5	7	3	3
Tama	7	-	5	-	2
Region 7	224	18	123	9	74
Black Hawk	164	14	87	9	54
Bremer	30	3	17	-	10
Buchanan	11	-	7	-	4
Butler	7	1	6	-	-
Chickasaw	6	-	3	-	3
Grundy	6	-	3	-	3
Region 8	111	12	61	-	38
Delaware	7	-	4	-	3
Dubuque	92	10	51	-	31
Jackson	12	2	6	-	4
Region 9	226	34	115	6	71
Clinton	53	6	31	1	15
Muscatine	28	5	10	1	12
Scott	145	23	74	4	44
Region 10	299	50	153	10	86
Benton	9	-	4	-	5
Cedar	5	1	3	-	1
Iowa	7	1	5	-	1
Johnson	88	21	41	6	20
Jones	9	-	7	-	2
Linn	170	27	86	4	53
Washington	11	-	7	-	4
Region 11	547	57	293	28	169
Boone	14	-	11	-	3
Dallas	22	2	15	-	5
Jasper	41	2	25	-	14
Madison	5	-	3	-	2
Marion	19	1	12	-	6
Polk	374	42	191	21	120
Story	54	8	26	7	13
Warren	18	2	10	-	6

Number of Part-time and Full-time Auxiliary Personnel
By State, Region and County, By Type of Personnel (continued)

County	Total	Hygienists	Assistants	Laboratory Technician	Secretary-Receptionists
Region 12	53	1	33	1	18
Audubon	7	-	5	1	1
Carroll	16	-	9	-	7
Crawford	14	1	9	-	4
Greene	8	-	5	-	3
Guthrie	1	-	1	-	-
Sac	7	-	4	-	3
Region 13	125	7	73	6	39
Cass	30	5	15	3	7
Fremont	3	-	2	-	1
Harrison	3	-	3	-	-
Mills	3	-	2	-	1
Montgomery	8	-	4	-	4
Page	16	-	9	-	7
Pottawattamie	54	2	34	3	15
Shelby	8	-	4	-	4
Region 14	34	1	20	1	12
Adair	6	-	4	-	2
Adams	3	-	1	1	1
Clarke	1	-	1	-	-
Decatur	3	-	2	-	1
Ringgold	2	-	-	-	2
Taylor	6	1	4	-	1
Union	13	-	8	-	5
Region 15	96	8	56	4	28
Appanoose	3	-	3	-	-
Davis	6	-	4	1	1
Jefferson	15	3	8	-	4
Keokuk	10	-	7	1	2
Lucas	3	-	2	-	1
Mahaska	15	1	10	-	4
Monroe	9	2	6	-	1
Van Buren	2	-	1	-	1
Wapello	31	2	14	2	13
Wayne	2	-	1	-	1
Region 16	91	4	60	-	27
Des Moines	38	3	22	-	13
Henry	13	1	8	-	4
Lee	40	-	30	-	10
Louisa	-	-	-	-	-

Table 12

Considering the various types of dental practice separately, a majority of General Practitioners employ full-time assistants. In fact, 3 of 4 General Practitioners are aided by full-time dental assistants. However, secretary-receptionists are employed on a full-time basis by less than half, 46.7 percent of the General Practitioners in the state.

The majority of Oral Surgeons employ both full-time dental assistants and full-time secretary-receptionists. Nearly 8 of 10 Oral Surgeons are helped by full-time assistants. Moreover, about 3 of 4 Oral Surgeons are assisted by full-time secretary-receptionists.

Full-time assistants and secretary-receptionists are also employed by the majority, about 3/4, of the Orthodontists.

An even greater majority, nearly all, of the Pedodontists employ both full-time assistants and full-time secretary-receptionists.

However, proportionally fewer, 71.4 percent, of the Periodontists are aided by full-time assistants, and full-time secretary-receptionists are employed by a considerably smaller, 42.9 percent of the Periodontists.

Table 12: Number and Percentage of Dentists Employing Auxiliary Personnel
By Type of Practice By Type of Personnel

Type of Practice	Hygienists		Assistants		Laboratory Technician		Secretary-Receptionists	
	No.	Pct	No.	Pct	No.	Pct	No.	Pct
All Type of Practice	82	7.4	829	74.8	43	3.9	558	50.4
General Practitioner	77	7.9	718	74.0	21	2.2	453	46.7
Specialists	5	3.6	111	80.4	22	15.9	105	76.1
Oral Surgeon	-	0.0	26	78.8	1	3.0	25	75.8
Orthodontist	2	2.8	55	76.4	21	29.2	53	73.6
Pedodontist	1	3.8	25	96.2	-	0.0	24	92.3
Periodontist	2	28.6	5	71.4	-	0.0	3	42.9

Table 13

Dental assistants are employed, on a full-time basis, by 3 of 4 Iowa dentists; one-half of the dentists in the state are aided by full-time secretary-receptionists, but only small proportions of dentists practice with the assistance of hygienists or laboratory technicians who are full-time employees. Similarly, relatively small percentages of the dentists in the state employ any of the four types of auxiliary personnel on a part-time basis.

In all of the regions, two-thirds or more of the dentists employ full-time dental assistants, except in Region 14.

Proportions of dentists employing full-time secretary-receptionists vary from about a third in Regions 1, 2 and 4 to 58.8 percent in Region 11. Actually more than half of the dentists in eight regions utilize full-time secretary-receptionists.

Dentists in five regions do not practice with the assistance of full-time hygienists; just as dentists in five of the regions do not employ full-time laboratory technicians.

Part-time dental assistants are employed by 41.2 percent of the dentists in Region 14. Less than a third of the dentists in the other regions utilize part-time dental assistants.

In Region 8, one of five dentists employ part-time secretary-receptionists, this is about the same proportion as in Region 2. Approximately a tenth of the dentists or less in six regions are assisted by part-time secretary-receptionists.

Apparently, part-time hygienists are more extensively employed than full-time hygienists; in every region, except Region 13.

Table 13: Number and Percent of Dentists Employing Auxiliary Personnel
By State and Region, By Type of Personnel

Region	Hygienists		Assistants		Laboratory Technician		Secretary-Receptionists									
	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct								
STATE	82	7.4	140	12.6	829	74.8	248	22.4	43	3.9	38	3.4	558	50.4	145	13.1
1	-	0.0	2	5.4	27	73.0	6	16.2	-	0.0	1	2.7	13	35.1	3	8.1
2	4	5.6	5	6.9	55	76.4	22	30.6	3	4.2	-	0.0	25	34.7	14	19.4
3	-	0.0	8	12.1	52	78.8	13	19.7	-	0.0	2	3.0	32	48.5	10	15.2
4	5	7.1	6	8.6	49	70.0	18	25.7	2	2.9	3	4.3	23	32.9	7	10.0
5	2	3.6	3	5.5	44	80.0	13	23.6	2	3.6	-	0.0	25	45.5	10	18.2
6	4	10.5	7	18.4	29	76.3	9	23.7	-	0.0	5	13.2	21	55.3	3	7.9
7	4	4.9	12	14.6	60	73.2	24	29.3	1	1.2	7	8.5	48	58.5	14	17.1
8	5	9.3	7	13.0	38	70.4	12	22.2	-	0.0	-	0.0	26	48.1	11	20.4
9	11	11.8	18	19.4	66	71.0	19	20.4	3	3.2	2	2.2	52	55.9	12	12.9
10	19	14.4	25	18.9	100	75.8	20	15.2	4	3.0	6	4.5	74	56.1	11	8.3
11	22	10.2	33	15.3	171	79.2	45	20.8	18	8.3	10	4.6	127	58.8	23	10.6
12	-	0.0	1	3.8	20	76.9	6	23.1	1	3.8	-	0.0	15	57.7	3	11.5
13	3	4.8	3	4.8	42	66.7	13	20.6	4	6.3	2	3.2	26	41.3	10	15.9
14	-	0.0	1	5.9	10	58.8	7	41.2	1	5.9	-	0.0	9	52.9	2	11.8
15	3	6.8	5	11.4	34	77.3	7	15.9	4	9.1	-	0.0	23	52.3	4	9.1
16	-	0.0	4	9.3	32	74.4	14	32.6	-	0.0	-	0.0	19	44.2	8	18.6

Table 14

Full-time dental assistants are employed by larger percentages of dentists in cities with 5,000 to 50,000 local residents than in the largest and smallest cities in the state. However, city size is insignificant in relation to the proportion of dentists employing part-time assistants.

About 6 of 10 dentists in the cities with 10,000 to 50,000 populations are assisted by full-time secretary-receptionists; the same statement is true for the three largest cities in the state. The greatest percentage of dentists who are aided by part-time secretary-receptionists is 17.3 percent in cities where 2,500 to 5,000 people live.

Cedar Rapids, Davenport, and Des Moines, the three largest cities in Iowa, also have the largest proportions of dentists who employ full-time hygienists. Those three cities and cities with 50,000 to 100,000 inhabitants differ, however, from the cities with 50,000 or fewer residents in respect to the employment of part-time hygienists. In contrast to the dentists who employ full-time hygienists, a greater proportion of dentists in those cities with 50,000 or fewer people employ part-time hygienists.

Like dentists who are assisted by full-time hygienists, the greatest proportion of dentists who utilize the services of full-time laboratory technicians reside in the three big cities. Compared to dentists in other sized cities, more dentists in cities of 25,000 to 50,000 people employ part-time laboratory technicians.

Table 14: Number and Percent of Dentists Employing Auxiliary Personnel By City Size

City Size	Hygienists		Assistants		Laboratory Technician		Secretary-Receptionists									
	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct	Full-time No.	Part-time Pct								
STATE	82	7.4	140	12.6	829	74.8	248	22.4	43	3.9	38	3.4	558	50.4	145	13.1
Under 2,500	2	1.2	15	8.7	107	61.8	40	23.1	4	2.3	1	0.6	47	27.2	19	11.0
2,500 to 5,000	-	0.0	5	3.9	91	71.7	31	24.4	2	1.6	-	0.0	50	39.4	22	17.3
5,000 to 10,000	6	3.4	27	15.4	138	78.9	43	24.6	2	1.1	6	3.4	96	54.9	22	12.6
10,000 to 25,000	8	9.8	11	13.4	66	80.5	17	20.7	-	0.0	3	3.7	52	63.4	9	11.0
25,000 to 50,000	19	11.7	35	21.5	138	84.7	39	23.9	11	6.7	12	7.4	98	60.1	23	14.1
50,000 to 100,000	18	9.5	18	9.5	134	70.9	40	21.2	8	4.2	7	3.7	92	48.7	28	14.8
100,000 and over	29	14.6	29	14.6	155	77.9	38	19.1	16	8.0	9	4.5	123	61.8	22	11.1

Table 15

As the total number of full-time auxiliary personnel increases (from 1 to 3 or more) the percentages of dentists employing specified numbers of hygienists decreases. The same relationship is evident concerning laboratory technicians and secretary-receptionists. For example, of all the dentists who employ 1 full-time person, 41 percent employ 1 full-time secretary-receptionist. However, only 11.6 percent of the dentists who are assisted by 3 or more full-time auxiliary personnel employ secretary-receptionists.

An opposite relationship exists concerning full-time dental assistants. Among all the dentists who employ one person full-time, 49.5 percent employ one full-time assistant. In contrast, 83.1 percent of all the dentists who employ a total of two people full-time, employ two full-time dental assistants.

Table 15: Number and Percent of Dentists Employing Specified Number and Type of Auxiliary Personnel

Type of Personnel	Total		1		2		3+		Total		1		2		3+	
	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
TOTAL	1,512	100.0	1,280	100.0	189	100.0	43	100.0	571	100.0	493	100.0	65	100.0	13	100.0
Hygienists	82	5.4	79	6.2	3	1.6	-	0.0	140	24.5	128	26.0	11	16.9	1	7.7
Assistants	829	54.8	634	49.5	157	83.1	38	88.4	248	43.4	194	39.4	44	67.7	10	76.9
Laboratory Technicians	43	2.8	42	3.3	1	0.5	-	0.0	38	6.7	37	7.5	1	1.5	-	0.0
Secretary-Receptionists	558	36.9	525	41.0	28	14.8	5	11.6	145	25.4	134	27.2	9	13.8	2	15.4

Table 16

Dental assistants are employed, either full or part-time, by 8 of 10 Iowa dentists. The most typical employment arrangement is one dentist practicing with the aid of one full-time dental assistant. Nearly one-third of the dentists have more than one assistant, usually two full-time or one part-time plus one full-time.

About 6 of 10 dentists in the state employ one or more part-time or full-time secretary-receptionist. However, only 5.8 percent utilize the assistance of more than one secretary-receptionist.

A large majority, 80.7 percent, of the dentists do not practice with the assistance of a hygienist. Typically, either one part-time or full-time hygienist is employed by the dentist who does utilize this type of auxiliary personnel.

An even larger majority of dentists practice without the aid of a laboratory technician in the office. Among the 7 percent of the Iowa dentists employing lab technicians, either one part-time or one full-time technician is employed by the individual dentist.

Table 16: Number and Percent of Dentists Employing Specified Combinations of Auxiliary Personnel

Number of Parties		Type of Personnel							
		Hygienists		Assistants		Laboratory Technicians		Secretary-Receptionists	
Full-Time	Part-Time	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL		1,108	100.0	1,108	100.0	1,108	100.0	1,108	100.0
0	0	894	80.7	198	17.9	1,029	92.9	432	39.0
0	1	120	10.8	52	4.7	35	3.2	110	9.9
0	2	11	1.0	23	2.1	1	0.1	6	0.5
0	3	-	0.0	6	0.5	-	0.0	2	0.2
0	4	1	0.1	-	0.0	-	0.0	-	0.0
0	5	-	0.0	-	0.0	-	0.0	-	0.0
1	0	71	6.4	500	45.1	40	3.6	503	45.4
1	1	8	0.7	116	10.5	2	0.2	22	2.0
1	2	-	0.0	16	1.4	-	0.0	-	0.0
1	3	-	0.0	1	0.1	-	0.0	-	0.0
1	4	-	0.0	1	0.1	-	0.0	-	0.0
1	5	-	0.0	-	0.0	-	0.0	-	0.0
2	0	3	0.3	130	11.7	1	0.1	24	2.2
2	1	-	0.0	22	2.0	-	0.0	2	0.2
2	2	-	0.0	4	0.4	-	0.0	2	0.2
2	3	-	0.0	1	0.1	-	0.0	-	0.0
3	0	-	0.0	21	1.9	-	0.0	4	0.4
3	1	-	0.0	3	0.3	-	0.0	-	0.0
3	2	-	0.0	1	0.1	-	0.0	1	0.1
3	3	-	0.0	1	0.1	-	0.0	-	0.0
4	0	-	0.0	4	0.4	-	0.0	-	0.0
4	1	-	0.0	1	0.1	-	0.0	-	0.0
4	2	-	0.0	-	0.0	-	0.0	-	0.0
4	3	-	0.0	-	0.0	-	0.0	-	0.0
5	0	-	0.0	3	0.3	-	0.0	-	0.0
5	1	-	0.0	-	0.0	-	0.0	-	0.0
5	2	-	0.0	-	0.0	-	0.0	-	0.0
5	3	-	0.0	-	0.0	-	0.0	-	0.0
6+	0+	-	0.0	4	0.4	-	0.0	-	0.0

Table 17

One full-time dental assistant with no other personnel, either full-time or part-time, is the most common auxiliary employment pattern of Iowa dentists. Among the regions, about 3 of 10 dentists in Region 1 are aided by a full-time assistant, only. In contrast, just 6 percent of the dentists in Region 14 practice with the aid of one full-time dental assistant and no other employees.

The auxiliary employment pattern of 14.4 percent of Iowa dentists is one full-time dental assistant and one full-time secretary-receptionist. More than a third of the dentists in Region 12 are helped by one full-time assistant in combination with one full-time secretary-receptionist, while in Region 2 only 7 percent of the dentists employ one full-time dental assistant, one full-time secretary-receptionist, but no other full-time or part-time auxiliary personnel.

However, in the state and in all the regions, except Region 1, the proportion of dentists employing some other combination of personnel is larger than the proportions of dentists who utilize any of the combinations listed in Table 11.

Table 17: Number and Percent of Dentists Employing Specified Number and Type of Personnel
By State and Region

Number and Type of Personnel	STATE		Region 1		Region 2		Region 3		Region 4		Region 5	
	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
TOTAL	1,108	100.0	37	100.0	72	100.0	66	100.0	70	100.0	55	100.0
No Employees	118	10.6	7	18.9	7	9.7	8	12.1	13	18.6	5	9.1
Two Assistants	26	2.3	-	0.0	2	2.8	1	1.5	4	5.7	1	1.8
One Assistant	170	15.3	11	29.7	12	16.7	13	19.7	13	18.6	11	20.0
One Assistant and One Part-Time Assistant	37	3.3	2	5.4	7	9.7	-	0.0	4	5.7	2	3.6
One Part-Time Assistant	20	1.8	-	0.0	2	2.8	-	0.0	3	4.3	-	0.0
One Assistant and One Part-Time Secretary-Receptionist	36	3.2	2	5.4	4	5.6	5	7.6	2	2.9	3	5.5
One Secretary-Receptionist	55	5.0	2	5.4	3	4.2	1	1.5	2	2.9	2	3.6
One Assistant and One Secretary-Receptionist	160	14.4	3	8.1	5	6.9	16	24.2	7	10.0	7	12.7
One Assistant and One Part-Time Hygienist	12	1.1	-	0.0	1	1.4	-	0.0	-	0.0	1	1.8
One Assistant and One Hygienist	6	0.5	-	0.0	2	2.8	-	0.0	-	0.0	-	0.0
One Assistant, One Hygienist, and One Secretary-Receptionist	21	1.9	-	0.0	2	2.8	-	0.0	-	0.0	-	0.0
One Assistant, One Secretary-Receptionist, and One Part-Time Hygienist	40	3.6	1	2.7	3	4.2	4	6.1	2	2.9	1	1.8
Other	407	36.7	9	24.3	22	30.6	18	27.3	20	28.6	22	40.0

Table 17: Number and Percent of Dentists Employing Specified Number and Type of Personnel
By State and Region (continued)

Number and Type of Personnel	Region 6		Region 7		Region 8		Region 9		Region 10		Region 11	
	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
TOTAL	55	100.0	38	100.0	82	100.0	54	100.0	93	100.0	132	100.0
No Employees	5	9.1	1	2.6	9	11.0	7	13.0	9	9.7	12	9.1
Two Assistants	1	1.8	-	0.0	2	2.4	1	1.9	1	1.1	5	3.8
One Assistant	11	20.0	7	18.4	6	7.3	9	16.7	15	16.1	17	12.9
One Assistant and One Part-Time Assistant	2	3.6	3	7.9	-	0.0	1	1.9	3	3.2	1	0.8
One Part-Time Assistant	-	0.0	1	2.6	2	2.4	2	3.7	2	2.2	1	0.8
One Assistant and One Part-Time Secretary-Receptionist	3	5.5	-	0.0	1	1.2	3	5.6	3	3.2	1	0.8
One Secretary-Receptionist	2	3.6	3	7.9	4	4.9	1	1.9	9	9.7	8	6.1
One Assistant and One Secretary-Receptionist	7	12.7	5	13.2	10	12.2	8	14.8	9	9.7	20	15.2
One Assistant and One Part-Time Hygienist	1	1.8	1	2.6	-	0.0	-	0.0	-	0.0	3	2.3
One Assistant and One Hygienist	-	0.0	-	0.0	-	0.0	1	1.9	-	0.0	1	0.8
One Assistant, One Hygienist, and One Secretary-Receptionist	-	0.0	2	5.3	-	0.0	-	0.0	3	3.2	9	6.8
One Assistant, One Secretary-Receptionist, and One Part-Time Hygienist	1	1.8	2	5.3	-	0.0	3	5.6	7	7.5	8	6.1
Other	22	40.0	13	34.2	48	58.5	18	33.3	32	34.4	46	34.8

Table 17: Number and Percent of Dentists Employing Specified Number and Type of Personnel
By State and Region (continued)

Number and Type of Personnel	Region 12		Region 13		Region 14		Region 15		Region 16	
	No.	Pct	No.	Pct	No.	Pct	No.	Pct	No.	Pct
TOTAL	26	100.0	63	100.0	17	100.0	44	100.0	43	100.0
No Employees	2	7.7	6	9.5	2	11.8	5	11.4	5	11.6
Two Assistants	-	0.0	3	4.8	-	0.0	1	2.3	2	4.7
One Assistant	4	15.4	13	20.6	1	5.9	8	18.2	4	9.3
One Assistant and One Part-Time Assistant	-	0.0	4	6.3	2	11.8	1	2.3	3	7.0
One Part-Time Assistant	-	0.0	2	3.2	1	5.9	-	0.0	1	2.3
One Assistant and One Part-Time Secretary-Receptionist	1	3.8	2	3.2	1	5.9	-	0.0	5	11.6
One Secretary-Receptionist	-	0.0	7	11.1	2	11.8	2	4.5	2	4.7
One Assistant and One Secretary-Receptionist	9	34.6	8	12.7	2	11.8	8	18.2	5	11.6
One Assistant and One Part-Time Hygienist	-	0.0	-	0.0	-	0.0	1	2.3	1	2.3
One Assistant and One Hygienist	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
One Assistant, One Hygienist, and One Secretary-Receptionist	-	0.0	-	0.0	-	0.0	3	6.8	-	0.0
One Assistant, One Secretary-Receptionist, and One Part-Time Hygienist	-	0.0	-	0.0	-	0.0	-	0.0	1	2.3
Other	10	38.5	18	28.6	6	35.3	14	31.8	14	32.6

VIII. WORK WEEK AND WORK YEAR OF DENTISTS

Table 18

More than half, 55.4 percent, of Iowa dentists spend 40 or more hours a week in the office, however, nearly one-fifth work 39 hours a week or less.

The largest single group of dentists works 40-44 hours a week while 64.6 percent are in the office from 35 to 44 hours a week.

Table 19

More than 3/4 of Iowa dentists, 79 percent, work less than 50 weeks in a year and nearly 1/4 work 45 weeks or less a year. However, the majority of the dentists in the state, about 6 of 10, work 48 or more weeks a year.

Table 20

Dentists in 3/4 of the Iowa regions are in the office an average of less than 40 hours a week. Weekly time in the office varies by 4.5 hours from an average of 40.7 hours in Regions 6, 12 and 13 to a mean of 36.2 hours for dentists in Region 6 where the mean number of weeks worked by dentists is the highest in the state.

Table 21

Oral surgeons average more hours in the office per week than the dentists in any of the other types of practice. In contrast, Pedodontists have the shortest work week, according to the mean number of office hours per week for the various types of practice.

Dentists in the 5 different types of practice are very similar, however, concerning the average number of weeks worked during a year.

Table 18: Distribution of Dentists by Number of Office Hours per Week

Number of Hours	Number of Dentists	Percent of Dentists
TOTAL	1,055	100.0
Less than 30	78	7.4
30-34	125	11.8
35-39	267	25.3
40-44	415	39.3
45-49	106	10.0
50-54	45	4.3
55-59	7	0.7
60 or more	12	1.1

Table 19: Distribution of Dentists According to Number of Weeks Worked

Number of Weeks	Number of Dentists	Percent of Dentists
TOTAL	1,045	100.0
Less than 40	73	7.0
40-44	128	12.2
45	50	4.8
46	85	8.1
47	90	8.6
48	282	27.0
49	113	10.8
50	176	16.8
51	20	1.9
52	28	2.7

Table 20: Mean Number of Hours in Office, Number of Weeks Worked, and Number of Weeks on Vacation, by State and Region

Region	Hours in Office	Weeks Worked	Weeks on Vacation
STATE	38.3	46.1	5.9
1	38.9	45.5	6.5
2	38.0	46.0	6.0
3	38.7	46.7	5.3
4	37.2	45.5	6.5
5	40.3	46.5	5.5
6	40.7	47.7	4.3
7	36.2	44.1	7.9
8	38.8	46.6	5.4
9	37.6	47.6	4.4
10	38.5	46.2	5.8
11	37.6	46.1	5.9
12	40.7	46.3	5.7
13	40.7	46.7	5.3
14	38.5	46.5	5.5
15	38.9	44.8	7.2
16	38.0	45.9	6.1

Table 21: Mean Number of Hours in Office, Number of Weeks Worked, and Number of Weeks on Vacation, by Type of Practice

Type of Practice	Hours in Office	Weeks Worked	Weeks on Vacation
All Types of Practice	38.3	46.1	5.9
General Practitioner	38.3	46.2	5.8
Specialists	38.4	45.7	6.3
Oral Surgeon	41.0	46.1	5.9
Orthodontist	38.2	45.4	6.6
Pedodontist	35.9	46.3	5.7
Periodontist	37.2	45.4	6.6

Table 22

An average Iowa dentist works 38 hours a week and 46 weeks a year.

In general, the average number of hours dentists spend in the office increased as the dentists mature from age 29 or younger to age 54. After age 54, the average work week gradually becomes shorter.

Similarly, after age 54, the average number of weeks worked in a year by dentists gradually declines. Although dentists aged 75 or older average the fewest number of hours per week in the office, dentists in the youngest age group work an average of 5.5 fewer weeks a year than dentists in the oldest age group.

Table 22: Mean Number of Hours in Office, Number of Weeks Worked, and Number of Weeks on Vacation, by Age of Dentists

Age	Hours in Office	Weeks Worked	Weeks on Vacation
All Ages	38.4	46.2	5.8
-29	37.9	38.9	13.1
30-34	39.5	47.2	4.8
35-39	39.2	46.8	5.2
40-44	39.3	47.1	4.9
45-49	40.4	47.3	4.7
50-54	40.1	47.1	4.9
55-59	37.7	46.0	6.0
60-64	37.9	46.2	5.8
65-69	34.0	45.0	7.0
70-74	35.3	42.3	9.7
75+	29.2	44.4	7.6

IX. PATIENT SITTINGS

Table 23

Concerning the distribution of dentists according to the number of patient sittings per year:

Patient sittings for 1/5 of the dentists in the state, number less than 2,000 per year.

About a fourth, 26 percent, of Iowa dentists have 2,000 to 2,999 annual patient sittings.

And, 29 percent of the dentists have yearly patient sittings of 4,000 or more in number.

Table 24

Considerable differences between regions are evident concerning the average annual numbers of patient sittings. Dentists in Region 12 have a mean number of annual patient sittings which is 1,103 sittings greater than the mean for the dentists in Region 3. Moreover, the mean numbers of sittings with dentists in 5 regions vary by 400 or more annual patient sittings from the 3,353 mean for all the dentists in the state.

Median numbers of annual patient sittings attended by dentists in different regions also vary considerably. The difference between the highest median, in Region 12, and the lowest median in Region 1, is 1,452 yearly patient sittings. Additionally, in 4 regions the median numbers of patient sittings per year for dentists differ by 500 or more annual sittings from the median for Iowa, 3,150.

Table 23: Distribution of Dentists According to Number of Patient Sittings

Number of Patients	Number of Dentists	Percent of Dentists
TOTAL	983	100.0
-499	17	1.7
500-999	39	3.9
1,000-1,499	64	6.5
1,500-1,999	79	8.0
2,000-2,499	128	13.0
2,500-2,999	124	12.6
3,000-3,499	106	10.7
3,500-3,999	134	13.6
4,000-4,499	75	7.6
4,500-4,999	73	7.4
5,000-5,499	43	4.3
5,500-5,999	21	2.1
6,000-6,499	26	2.6
6,500-6,999	14	1.4
7,000+	40	4.0

Table 24: Average Annual Number of Patient Sitzings
By State and Region

State and Region	Average Annual Number of Patient Sitzings	
	Mean	Median
STATE	3353	3150
Region		
1	2973	2550
2	2946	2640
3	2904	2940
4	3122	2843
5	3316	2815
6	3546	3443
7	3754	3840
8	3316	2940
9	3687	3405
10	3510	3290
11	3247	3185
12	4007	4002
13	3388	3135
14	3716	3225
15	2935	2744
16	3569	3264

Table 25

Analyses of the average annual numbers of patient sittings for dentists who practice in cities of different sizes indicate:

In cities with 50,000 to 100,000 inhabitants, dentists have relatively high average numbers of patient sittings per year.

Average annual patient sittings are even higher in number for dentists in cities of 25,000 to 50,000 populations.

Contrarily, dentists who practice in the smallest cities, where 2,500 or fewer people reside, average the lowest number of yearly patient sittings.

Table 26

How do dentists in the different types of practice vary in relation to average annual numbers of patient sittings?

Oral Surgeons are the specialists with the highest average number of patient sittings per year.

General Practitioners average fewer annual patient sittings than the specialists, except for the Periodontists.

Actually, among all the types of practices, the Periodontists have the lowest average number of yearly patient sittings.

Table 25: Average Annual Number of Patient Sitzings
By Size of City

Size of City	Average Annual Number of Patient Sitzings	
	Mean	Median
TOTAL	3353	3150
Under 2,500	2715	2500
2,500 - 5,000	3261	3168
5,000 - 10,000	3305	3168
10,000 - 25,000	3264	3241
25,000 - 50,000	3742	3600
50,000 - 100,000	3566	3290
100,000+	3487	3250

Table 26: Average Annual Number of Patient Sitzings
By Type of Practice

Type of Practice	Average Annual Number of Patient Sitzings	
	Mean	Median
All Types of Practice	3353	3150
General Practitioner	3186	3015
All Specialists	4581	4700
Oral Surgeon	4898	4925
Orthodontist	4658	4800
Pedodontist	4407	4000
Periodontist	2805	2500

Table 27

As the ages of dentists increase from 29 or younger to 40-44, the mean annual numbers of patient sittings for dentists also increase. After age 44, however, a gradual decrease occurs in the mean numbers of patient sittings per year. Dentists aged 65-69 have about the same mean as the young dentists in the 29 and under age group. The dentists in the two oldest age groups (70-74 and 75 and older) have the lowest mean numbers of annual patient sittings.

The relationship between the ages of the dentists and the median annual number of patient sittings is generally the same as the relationship between ages and means. That is, increasing median numbers of patient sittings for the younger age groups and decreasing medians for the older age groups, except the peak in the median is at age 45-49 instead of 40-44.

Table 27: Average Annual Number of Patient Sittings By Age of Dentists

Age	Average Annual Number of Patient Sittings	
	Mean	Median
All Ages	3353	3150
-29	2287	2120
30-34	3429	3360
35-39	3929	3750
40-44	4034	3750
45-49	4020	3780
50-54	3759	3600
55-59	3105	2750
60-64	2817	2752
65-69	2276	1974
70-74	1684	1600
75+	1272	1176

Table 28

Concerning the average length of patient sittings, dentists in all types of practice are very evenly divided; half require 1/2 hour or less and 1/2 require 3/4 of an hour or more. However, considerable differences between General Practitioners and all Specialists are evident regarding the average time required for each patient sitting. Less than half, 45 percent, of the General Practitioners have average patient sittings of 1/2 hour or less. In contrast, the large majority of all Specialists, 87 percent, require 1/2 hour or less per patient sitting.

Among the various types of Specialists, the average length of patient sittings is shortest for Orthodontists. Nearly all Orthodontists, 97 percent, practice using 1/2 hour or less per patient. About 9 of 10 Pedodontists have average patient sittings of 1/2 hour or less. Similarly, nearly 8 of 10 of the Oral Surgeons require 1/2 hour or less per patient sitting.

Periodontists, in contrast, are the specialists with the longest average length of patient sittings, all require 3/4 of an hour or longer.

Table 28: Average Length of Patient Sittings, by Type of Practice

Length of Sitting	All Types of Practice	General Practitioner	All Specialists	Oral Surgeon	Orthodontist	Pedodontist	Periodontist
TOTAL	1,032	907	125	29	66	24	6
1/4 Hour	82	28	54	10	38	6	-
1/2 Hour	435	380	55	13	26	16	-
3/4 Hour	332	322	10	4	2	2	2
1 Hour	163	157	6	2	-	-	4
Over 1 Hour	20	20	-	-	-	-	-

Table 29

In both the youngest and oldest age groups, the largest proportion of dentists within the two age groups average 3/4 of an hour per patient sitting. Among the three age groups including dentists aged 30-59, the greatest proportion of dentists within each age group have shorter average patient sittings, of 1/2 hour. Like the oldest and youngest dentists, the largest proportion of dentists aged 60-69 average 3/4 of an hour per patient sitting. Nearly the same proportion average 1/2 hour, though. These findings indicate that dentists utilize longer patient sittings when they begin practice, then decrease the length of sittings until they reach ages 60, after which the length of patient sittings increases.

Among the dentists in the 40-49 age group, 13 percent average 1/4 of an hour per patient sitting. No other age group has as high a percentage of dentists who average 1/4 hour sittings. Also the 40-49 age group is one of the age groups with the largest proportion of dentists who average 1/2 hour per patient sitting. The other is the 30-39 age group; 48 percent of the dentists in both groups have average patient sittings of 1/2 hour. More than half, 56 percent, of the dentists aged 29 or younger average 3/4 of an hour per patient sitting. This is the age group with the largest proportion of dentists who average 3/4 of an hour. Within the 70 and over age group, 29 percent of the dentists utilize 1 hour patient sittings and 4 percent average over 1 hour. All of the other age groups have lower proportions of dentists who average 1 hour or more.

Table 29: Average Length of Patient Sittings, by Age of Dentists

Length of Sitting	Total	Age of Dentists					
		-29	30-39	40-49	50-59	60-69	70+
TOTAL	1,032	41	248	276	242	128	97
1/4 Hour	82	1	19	35	16	11	-
1/2 Hour	435	9	120	133	110	38	25
3/4 Hour	332	23	78	76	74	41	40
1 Hour	163	7	30	26	38	34	28
Over 1 Hour	20	1	1	6	4	4	4

X. PRACTICE BUSYNESS

Table 30

Compared to the proportions of dentists with any one of the other descriptions of practice busyness, the largest proportions of dentists in Regions 13 and 15 were too busy to treat all people requesting appointments.

Region 14 is the only region where the greatest percentage of dentists within the region felt overworked while providing treatment for everyone who wanted dental care.

Dentists with a description of practice busyness--not busy enough--do not constitute the largest proportion of dentists within any regions in the state.

However, within 3/4 of the regions in Iowa the description of practice busyness for the greatest proportions of dentists in each region was well balanced between the demand for dental care and the ability to provide treatment.

Although relatively large percentages of dentists within most of the regions had a well balanced description of practice busyness, none of the regions have a busyness index of 2.0. Busyness indexes range from 2.2 in Region 10 to 3.1 in Region 13. Accordingly, the average dentist in most regions provided dental care for all who wanted it, but felt more or less overworked

Table 30: Distribution of Dentists According to Description of Practice Busyness by State and Region

Description of Practice Busyness	STATE		Region 1		Region 2		Region 3		Region 4		Region 5	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL	1,045	100.0	34	100.0	70	100.0	63	100.0	62	100.0	53	100.0
Too busy to treat all people requesting appointments.	253	24.2	11	32.4	13	18.6	15	23.8	22	35.5	10	18.9
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	189	18.1	11	32.4	21	30.0	10	15.9	11	17.7	8	15.1
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	481	46.0	12	35.3	28	40.0	29	46.0	28	45.2	25	47.2
Not busy enough--would have liked more patients.	122	11.7	-	0.0	8	11.4	9	14.3	1	1.6	10	18.9
Busyness Index		2.5		3.0		2.6		2.5		2.9		2.3

Table 30: Distribution of Dentists According to Description of Practice Busyness by State and Region (continued)

Description of Practice Busyness	Region 6		Region 7		Region 8		Region 9		Region 10		Region 11	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL	37	100.0	76	100.0	49	100.0	89	100.0	128	100.0	204	100.0
Too busy to treat all people requesting appointments.	11	29.7	15	19.7	15	30.6	18	20.2	21	16.4	33	16.2
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	4	10.8	16	21.1	10	20.4	8	9.0	15	11.7	39	19.1
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	17	45.9	40	52.6	24	49.0	54	60.7	64	50.0	95	46.6
Not busy enough--would have liked more patients.	5	13.5	5	6.6	-	0.0	9	10.1	28	21.9	37	18.1
Busyness Index		2.6		2.5		2.8		2.4		2.2		2.3

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Table 30: Distribution of Dentists According to Description of Practice Busyness by State and Region (continued)

Description of Practice Busyness	Region 12		Region 13		Region 14		Region 15		Region 16	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL	26	100.0	57	100.0	14	100.0	43	100.0	40	100.0
Too busy to treat all people requesting appointments.	7	26.9	29	50.9	3	21.4	18	41.9	12	30.0
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	6	23.1	9	15.8	5	35.7	9	20.9	7	17.5
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	11	42.3	16	28.1	4	28.6	15	34.9	19	47.5
Not busy enough--would have liked more patients.	2	7.7	3	5.3	2	14.3	1	2.3	2	5.0
Busyness Index		2.7		3.1		2.6		3.0		2.7

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Table 31

About a third of the dentists in cities with 5,000 to 10,000 residents were too busy in 1972. No other classification of city size contains such a large proportion of dentists who were too busy to treat all people requesting appointments.

The smallest cities are the cities with the largest percentage of dentists who provided dental care for everyone who wanted it, but were overworked by providing such care.

Within cities of 25,000 to 100,000 populations, more than half of the dentists have practices which are ideal concerning the demand for dental treatment and the busyness required to provide treatment. Actually, as was the case in most of the regions, this well balanced description of practice busyness also applies to the greatest proportions of dentists in all cities, regardless of size.

In the largest cities, 22.3 percent of the dentists were not busy enough. All of the relatively smaller cities, with less than 100,000 residents, have lesser proportions of dentists who would like to have been busier in 1972.

Table 31: Distribution of Dentists According to Description of Practice Busyness by Size of City

Description of Practice Busyness	TOTAL		Under 2,500		2,500-5,000		5,000-10,000	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
STATE	1,045	100.0	164	100.0	117	100.0	168	100.0
Too busy to treat all people requesting appointments.	253	24.2	42	25.6	33	28.2	55	32.7
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	189	18.1	46	28.0	13	11.1	40	23.8
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	481	46.0	65	39.6	57	48.7	60	35.7
Not busy enough--would have liked more patients.	122	11.7	11	6.7	14	12.0	13	7.7
Busyness Index		2.5		2.7		2.5		2.8

Table 31: Distribution of Dentists According to Description of Practice Busyness by Size of City (continued)

Description of Practice Busyness	Size of City			
	10,000-25,000	25,000-50,000	50,000-100,000	100,000 and Over
	No.	Pct.	No.	Pct.
STATE	78	100.0	160	100.0
Too busy to treat all people requesting appointments.	22	28.2	34	21.3
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	13	16.7	20	12.5
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	35	44.9	82	51.3
Not busy enough--would have liked more patients.	8	10.3	24	15.0
Busyness Index		2.6		2.4
			170	100.0
			45	26.5
			27	15.9
			88	51.8
			10	5.9
			30	16.0
			188	100.0
			22	11.7
			94	50.0
			42	22.3
				2.1

Table 32

Most General Practitioners were busy in 1972 and 45 percent were either too busy to provide dental care or were overworked in providing dental care for all people requesting appointments. However, over 10 percent were not busy enough and would have liked more patients.

Thirty-six percent of Oral Surgeons were either too busy or overworked, but 10 percent felt they were not busy enough.

A majority of the Orthodontists were busy, however, nearly a fourth, 23 percent, were not busy enough and would have liked more patients.

Similarly, 1/4 of the Pedodontists and 1/3 of the Periodontists were not busy enough, although most of the dentists in those two types of practice were busy last year. Generalizations concerning the practice busyness of the small number of Periodontists (6) should be made carefully, however

Table 32: Distribution of Dentists According to Description of Practice Busyness by Type of Practice

Description of Practice Busyness	TOTAL		General Practitioner		All Specialists		Oral Surgeons	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL	1,045	100.0	915	100.0	130	100.0	31	100.0
Too busy to treat all people requesting appointments.	253	24.2	243	26.6	10	7.7	4	12.9
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	189	18.1	170	18.6	19	14.6	7	22.6
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	481	46.0	407	44.5	74	56.9	17	54.8
Not busy enough--would have liked more patients.	122	11.7	95	10.4	27	20.8	3	9.7
Busyness Index		2.5		2.6		2.0		2.3

Table 33

Nearly 1/4 of the dentists in Iowa felt they were too busy to fulfill all of the requests made to them for dental care in 1972. However, compared to the other descriptions of practice busyness, the description was ideal for the largest proportion, 46 percent, of the dentists in the state.

According to the busyness index, the average dentist may or may not have felt overworked, but did provide dental care for all people who requested appointments. The busyness index of 2.5 resulted from an average based on a 4 point system:

The assignment of 4 points to dentists who felt they were too busy to treat all patients.

Dentists who felt overworked, but were able to treat all people who wanted dental care were assigned 3 points.

(2.5)

2 points were assigned to dentists who felt they were not overworked, had enough patients, and provided dental care to everyone asking for appointments.

And, the assignment of 1 point to dentists who felt they were not busy enough.

Concerning practice busyness by the age groups of dentists, the greatest proportion of dentists in all age groups, except the youngest, experience ideal practice busyness. That is, in all but the 29 and younger age group, the largest proportion of dentists have a busyness index of 2.

Considering the 4 descriptions of practice busyness separately, the largest numbers of dentists who were too busy to treat all people requesting appointments are either in the 40-49 or 50-59 age groups. Also within the same two age groups are the largest numbers of dentists who fulfilled all requests for treatment, but felt overworked.

Among the dentists who did not feel overworked, provided dental care for everyone who wanted it, and had enough patients; the largest numbers are 30-49 years of age. Similarly, the largest numbers of dentists who would like to be more busy are also aged 30-49.

Table 33: Distribution of Dentists According to Description of Practice Busyness by Age

Description of Practice Busyness	Age							
	All Ages		-29		30-39		40-49	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
TOTAL	1,045	100.0	26	100.0	252	100.0	280	100.0
Too busy to treat all people requesting appointments.	253	24.2	2	7.7	46	18.3	66	23.6
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	189	18.1	4	15.4	32	12.7	66	23.6
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	481	46.0	9	34.6	122	48.4	117	41.8
Not busy enough--would have liked more patients.	122	11.7	11	42.3	52	20.6	31	11.1
Busyness Index		2.5		1.8		2.2		2.5

Table 33: Distribution of Dentists According to Description of Practice Busyness by Age (continued)

Description of Practice Busyness	50-59			60-69			70+			Not Stated		
	No.	Pct.	Age	No.	Pct.	Age	No.	Pct.	Age	No.	Pct.	Age
TOTAL	252	100.0		132	100.0		94	100.0		9	100.0	
Too busy to treat all people requesting appointments.	72	28.6		39	29.5		26	27.7		2	22.2	
Provided dental care for all who requested appointments, but felt overworked (too rushed, or worked too many hours).	51	20.2		18	13.6		17	18.1		1	11.1	
Provided dental care for all who requested appointments, had enough patients, and did not feel overworked.	110	43.7		70	53.0		48	51.1		5	55.6	
Not busy enough--would have liked more patients.	19	7.5		5	3.8		3	3.2		1	11.1	
Busyness Index		2.6			2.6			2.7			2.4	

XI. SUMMARY

Locations of Dentists

- Highly populated counties and regions are the locations for the largest numbers of Iowa dentists.
- Adams, Clarke, Guthrie, and Louisa Counties each have only one dentist.
- Only 17 dentists practice in Region 14.
- About half of the dentists in the state practice in the 16 cities with 25,000 or more residents.

Population - Dentist Ratios

- The Iowa population numbers 2,410 for each dentist in the state.
- In the highly populated counties and regions with the largest numbers of dentists the population-dentist ratios are not the lowest in comparison to ratios in other locations.
- Johnson County has the lowest population-dentist ratio in the state, 803; a largest proportion of the dentists are associated with The University of Iowa, however. The highest ratio is 12,700 in Guthrie County.
- Population-dentist ratios for regions vary from 1,701 in Region 10 to 3,700 for Region 14.

Ages of Dentists

- Almost half of the Iowa dentists are 50 years of age or older, nearly one-fourth are 60 and over, 1 of 10 is aged 70 or older.
- In 16 counties, 50 percent or more of the dentists are 39 and younger.
- One-half or more of the dentists in 17 counties, however, are 60 or older.
- Among the dentists in 6 counties, half are aged 70 or older.
- Region 14 has the highest proportions of both younger and older dentists.

Educational Backgrounds of Dentists

- A substantial majority of Iowa dentists, 80 percent, graduated from The University of Iowa College of Dentistry in Iowa City.

- The Creighton University School of Dentistry was attended by the largest number of out of state graduates.

Operatories

- According to the mean number of operatories, General Practitioners utilize 2 operatories.
- The average number of operatories used by specialists is 3.
- Dentists in all age groups have an average of 2 operatories.

Auxiliary Personnel

- Dental assistants are employed by dentists in much greater numbers than any of the other 3 types of personnel. Actually, the number of full-time dental assistants in Iowa is larger than the combined number of full-time hygienists, laboratory technicians, and secretary-receptionists.
- Like the locations of dentists, the locations for the largest numbers of auxiliary personnel are the big counties and regions.
- Counties and regions with the largest numbers of auxiliary personnel do not, however, have the highest average numbers of auxiliaries per dentist.

The Work Week and Work Year of Dentists

- A majority of Iowa dentists, 55 percent, spend 40 or more hours in the office each week. The mean number of hours in the office is lower, 38.3 hours per week for all dentists.
- Iowa dentists work an average of 46 weeks in a year, but 3 of 5 dentists work 48 or more weeks.

Patient Sitzings

- In Iowa, the mean number of annual patient sittings for all dentists is 3,353. The median is lower. Half of the dentists have more than 3,150 patient sittings per year while half have fewer.
- The average length of patient sittings is one-half hour or less for half of the Iowa dentists. At least three-fourths of an hour is the average time spent per patient sitting for the remaining 50 percent of the dentists.

The Practice Busyness of Dentists

- Nearly one-fourth of the dentists in the state felt they were too busy to treat all people requesting appointments.
- The largest proportion of dentists, 46 percent, described their practices as well balanced concerning the demand for dental care and the ability to provide such care.
- An average of the descriptions of practice busyness for all of the dentists is halfway between the two descriptions: provided dental care for all who requested appointments, but felt overworked; and provided dental care for all who requested appointments, had enough patients, and did not feel overworked.

The practice of dentistry is a profession which is regulated by the State. The dentist is a member of a profession which is regulated by the State. The dentist is a member of a profession which is regulated by the State.

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The Work Week and Work Year of Dentists

- A majority of lone dentists, 77 percent, spend 40 hours or more in the office each week. The maximum number of hours in the office is 60. 17.7 percent of lone dentists work 48 or more hours.
- Lone dentists work an average of 46.5 hours a week. But 3 percent of dentists work 48 or more hours.

Patient Billings

- In 1967, the mean amount of dental patient billings for 100 dentists was \$1,150. The median was lower, \$600. The maximum was \$7,150. Patient billings were higher for white dentists.
- The average length of patient billings is one-half hour or less for 50 percent of dentists. At least three-fourths of dentists bill for at least one-half hour for the remaining 50 percent of patients.

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