

# **Iowa Pharmacist Tracking System**

**Advisory Committee Meeting  
April 21, 2023**

# **Meeting Agenda & Participant List**

Iowa Pharmacist Tracking System  
Advisory Committee Meeting  
Friday, April 21, 2023  
11:00 A.M. – 1:00 P.M.

Iowa Health Professions Tracking Center  
Office of Statewide Clinical Education Programs  
UI Carver College of Medicine, April 2023

— **Agenda** —

- Welcome and Introductions
- Meeting Agenda and Participant List
- 2021 Annual Report
  - Annual Benchmarks
  - Geographic Distribution
  - Trends
  - Workforce Summary
- Open Discussion Items

Iowa Pharmacist Tracking System  
Advisory Committee Meeting  
Friday April 21, 2023  
11:00 A.M. – 1:00 P.M.

*Advisory Committee*

Michael Andreski, RPh, PhD

Associate Professor of Social and Administrative Pharmacy  
Drake University College of Pharmacy and Health Sciences

Jay D. Currie, BS Pharm, PharmD, FCCP, FAPhA

Clinical Professor, Applied Clinical Sciences  
Chair Department of Pharmacy Practice and Sciences  
University of Iowa College of Pharmacy

Barbara Kelley, BBA, BA

Strategic Communication Director  
University of Iowa College of Pharmacy

Emmeline Paintsil, PharmD, MSLD, BCPS

Directory of Professional Affairs  
Iowa Pharmacy Association

Susan S. Vos, PharmD, FAPhA

Clinical Associate Professor  
Department of Pharmacy Practice and Science  
University of Iowa College of Pharmacy

Therese (Terry) Witkowski

Executive Officer  
Iowa Board of Pharmacy Examiners

Iowa Pharmacist Tracking System  
Advisory Committee Meeting  
Friday April 21, 2023  
11:00 A.M. – 1:00 P.M.

**Iowa Health Professions Tracking Center**

Greg Nelson, Assistant Dean  
Director for Statewide Clinical Education Programs  
Director for Continuing Medical Education

Theresa Dunkin  
Program Manager/Assistant Director

Nibras Elnour  
Data Analyst/Assistant Manager

Austin Snyder  
Data Analyst/Assistant Manager

Linda Thiesen  
Data Analyst/Assistant Manager

# **Annual Benchmarks**

# IOWA PHARMACISTS

## Annual Workforce Report

### 2021

<u>Date</u>	<u>Pharmacists</u>
• December 2021	3053
• January 2021	<u>-3077</u>
<b>Net Gain/Loss</b>	<b>-24</b>

# IOWA PHARMACISTS

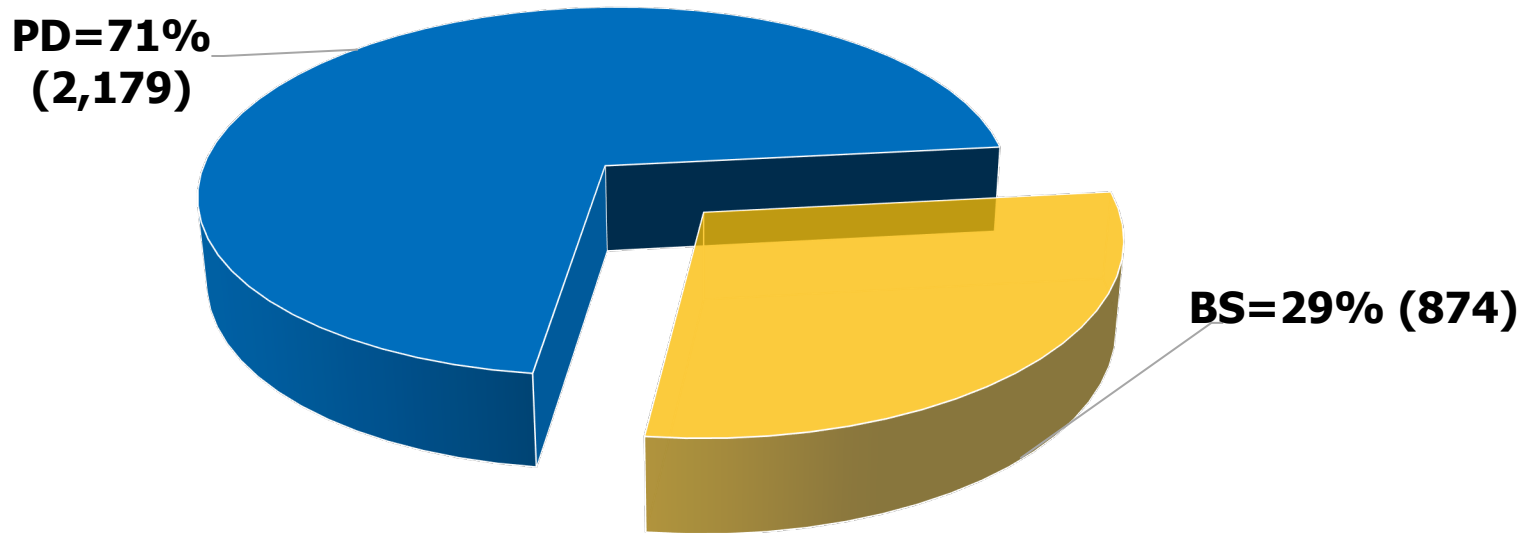
## Entering vs. Terminating Practice

### 2021

	<u>2021</u>	<u>Prior Year</u>	<u>Prior Ten-Year Average</u>
<b>Pharmacists Entering</b>	<b>200</b>	<b>190</b>	<b>181</b>
<b>Pharmacists Terminating</b>	<b><u>-224</u></b>	<b><u>-140</u></b>	<b><u>-156</u></b>
<b>Net Gain/Loss</b>	<b>-24</b>	<b>50</b>	<b>+24</b>



# IOWA PHARMACISTS Pharmacy Degree 2021

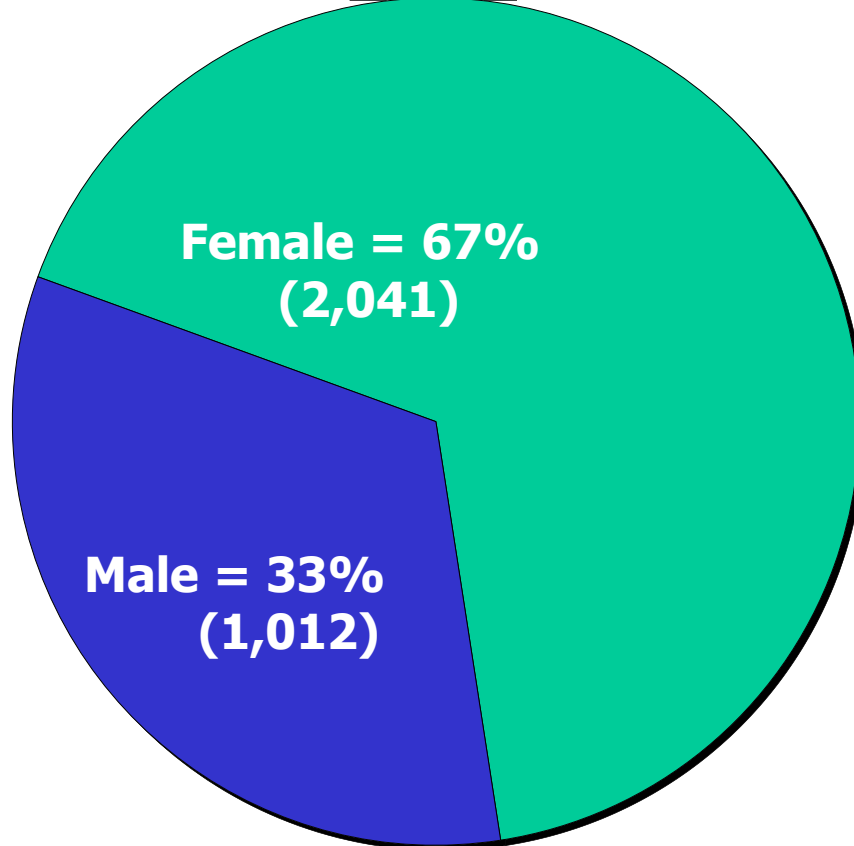


■ Pharm D    ■ BS

**Total = 3,053**

# IOWA PHARMACISTS

## Gender 2021

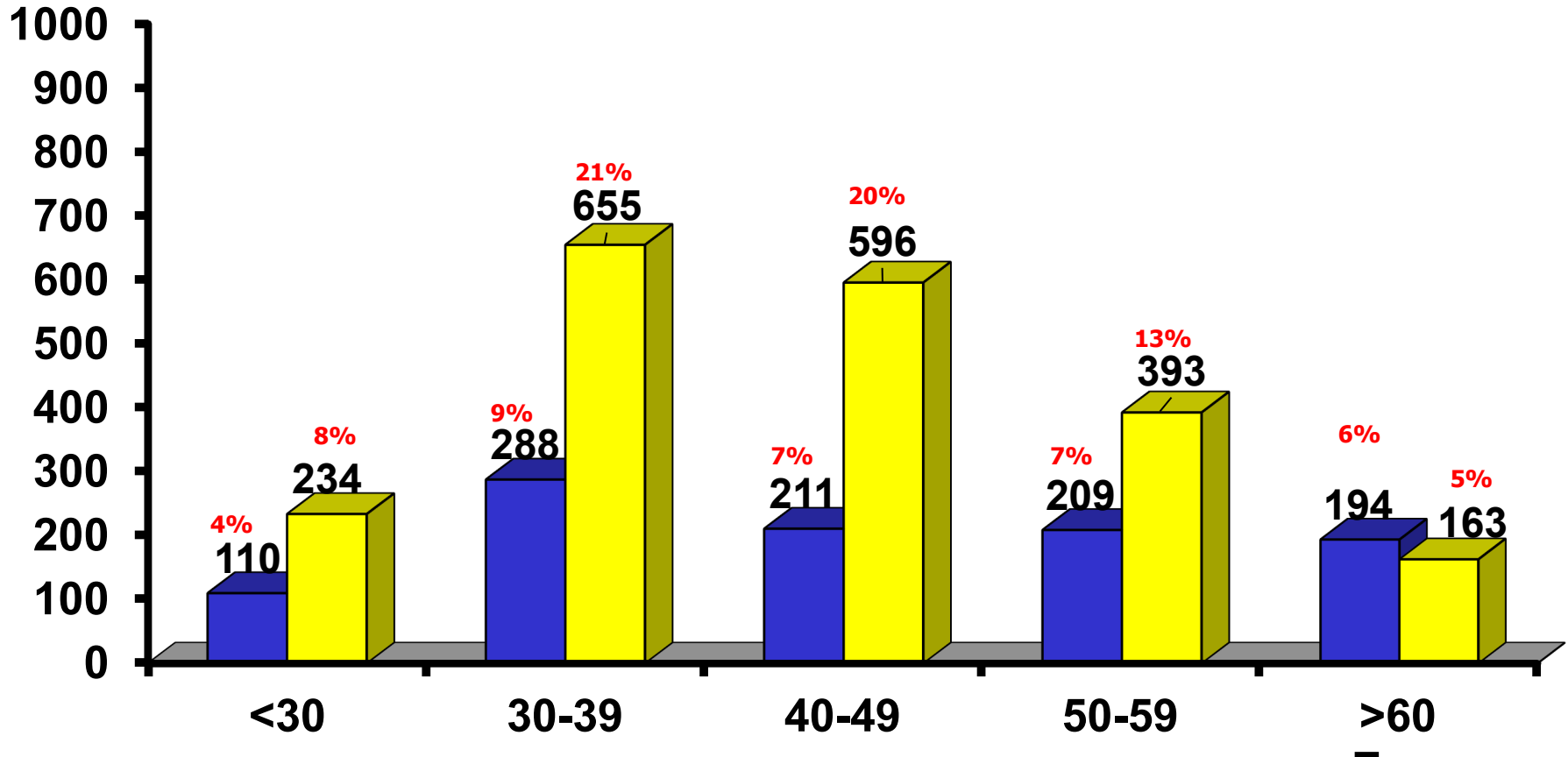
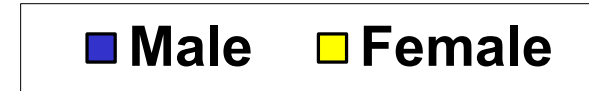


**Total = 3,053**

# AGE DISTRIBUTION OF IOWA PHARMACISTS

## GENDER

### 2021



# IOWA PHARMACISTS

## Full-Time vs. Part-Time

### Gender

### 2021

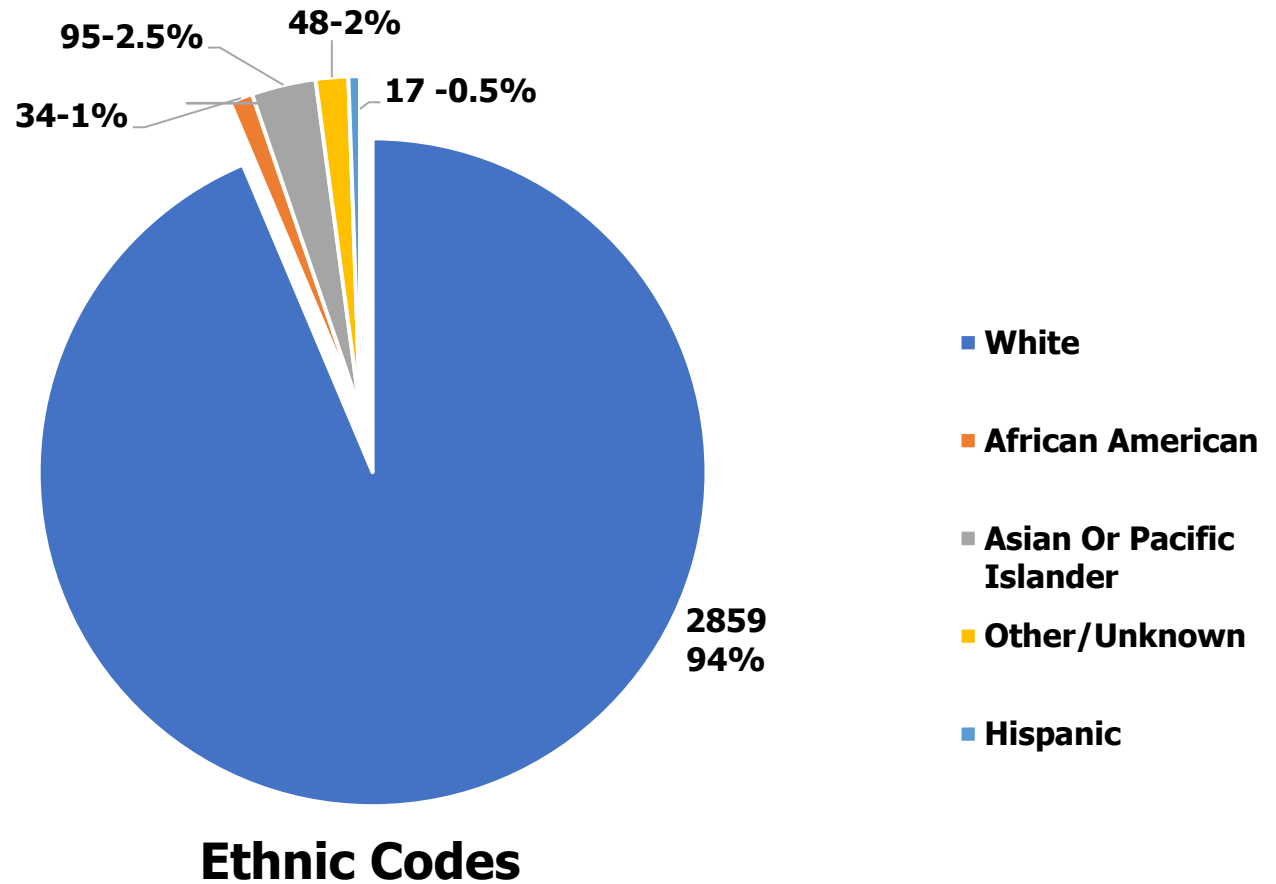
	<b>Full-Time*</b>		<b>Part-Time</b>	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
<b>Male</b>	<b>912</b>	<b>29.9%</b>	<b>100</b>	<b>3.3%</b>
<b>Female</b>	<b>1723</b>	<b>56.4%</b>	<b>318</b>	<b>10.4%</b>
<b>Total</b>	<b>2635</b>	<b>86.3%</b>	<b>418</b>	<b>13.7%</b>

**\*FT ≥ 30 hours/week**

# IOWA PHARMACISTS

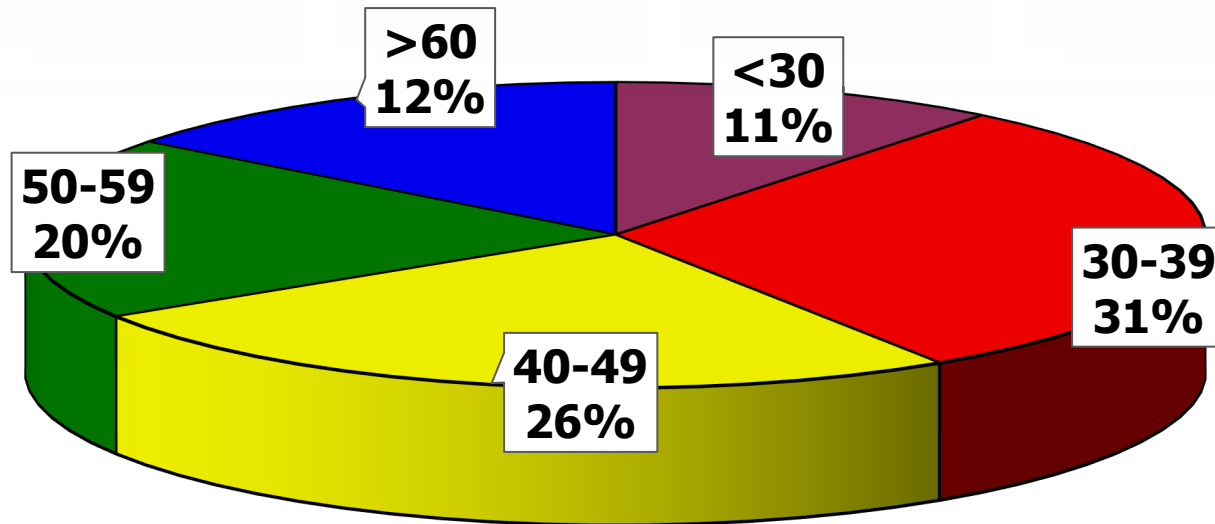
## Ethnic Codes

### 2021



# AGE DISTRIBUTION OF IOWA PHARMACISTS 2021

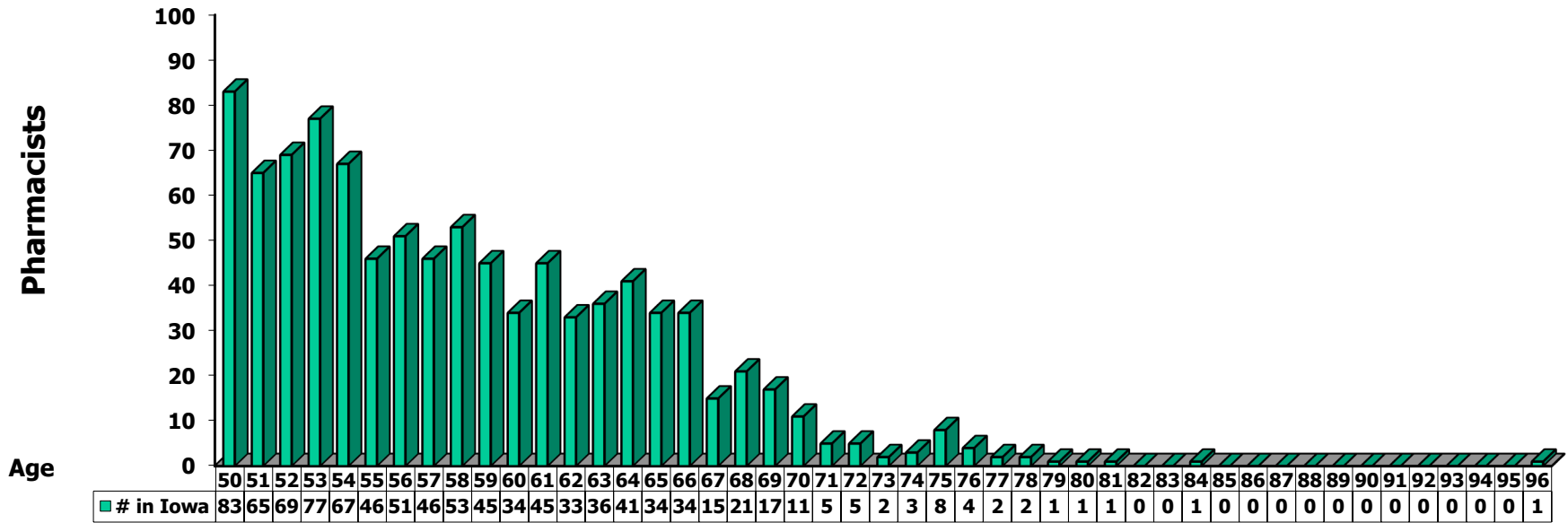
<u>Age Category</u>	<u>Number</u>	<u>Percent</u>	<u>Cumulative %</u>
< 30	344	11.0	11.0%
30-39	943	31.0	42.0
40-49	807	26.0	68.0
50-59	602	20.0	88.0
≥ 60	<u>357</u>	<u>12.0</u>	100.0%
	<b>3,053</b>	<b>100.0%</b>	



# IOWA PHARMACISTS

## Detail of Age $\geq 50$

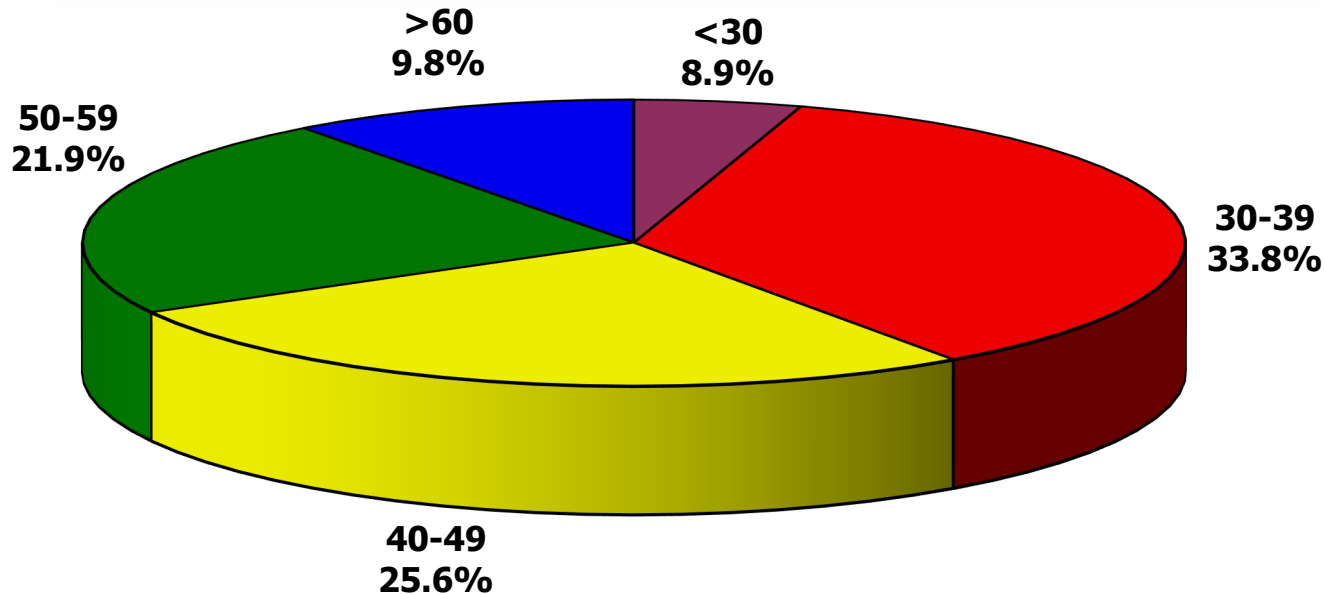
### 2021



**Total number of pharmacists 50 years of age and older = 959 (31%)**

# AGE DISTRIBUTION OF IOWA HOSPITAL PHARMACISTS 2021

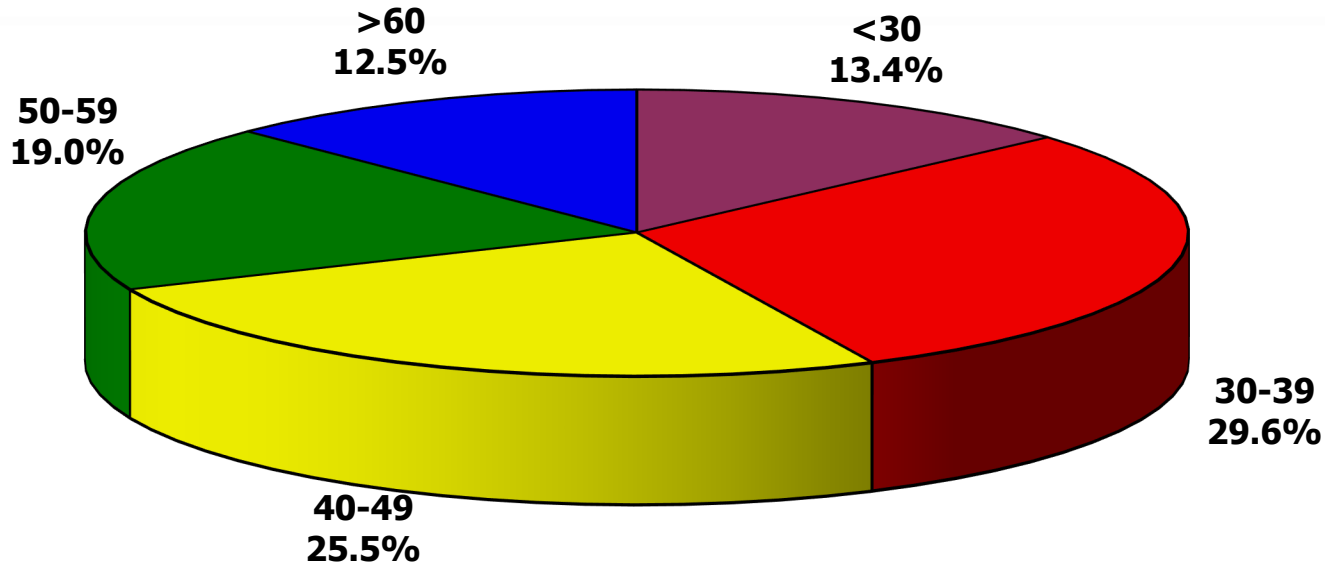
<u>Age Category</u>	<u>Number</u>	<u>Percent</u>	<u>Cumulative %</u>
< 30	76	8.9%	8.9%
30-39	288	33.8	42.7
40-49	218	25.6	68.3
50-59	186	21.9	90.2
≥ 60	83	9.8	100.0 %
	<b>851</b>	<b>100.0 %</b>	





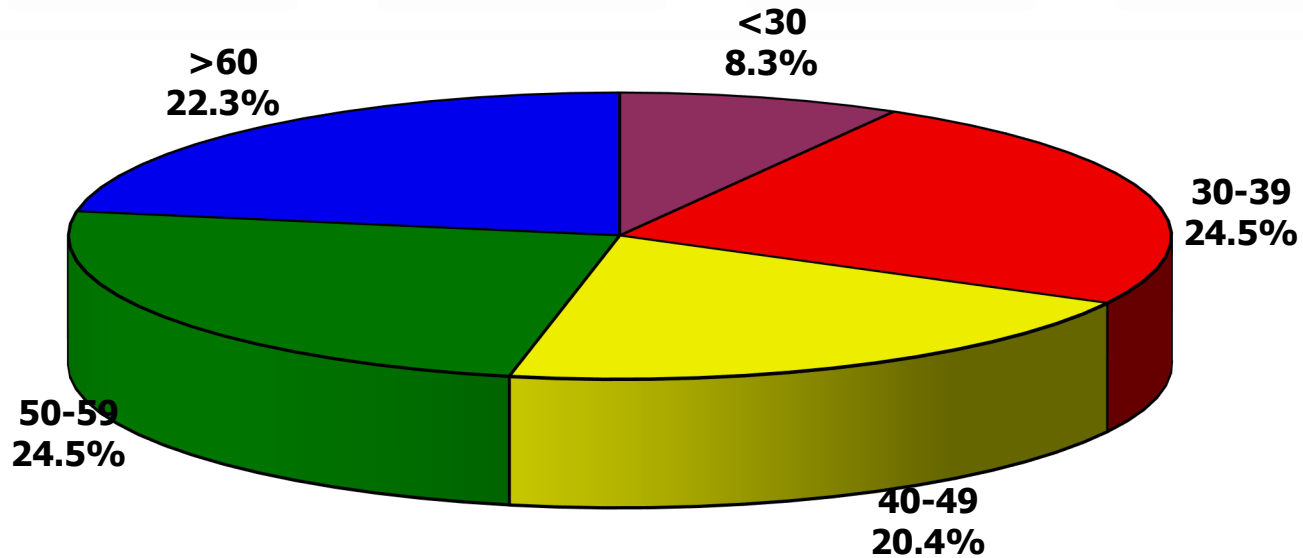
# AGE DISTRIBUTION OF IOWA COMMUNITY PHARMACISTS 2021

<u>Age Category</u>	<u>Number</u>	<u>Percent</u>	<u>Cumulative %</u>
< 30	224	13.4%	13.4%
30-39	496	29.6	43.0
40-49	427	25.5	68.5
50-59	317	19.0	87.5
≥ 60	<u>209</u>	<u>12.5</u>	100.0 %
	<b>1673</b>	<b>100.0 %</b>	



# AGE DISTRIBUTION OF IOWA INDEPENDENT PHARMACISTS 2021

<u>Age Category</u>	<u>Number</u>	<u>Percent</u>	<u>Cumulative %</u>
< 30	27	8.3%	8.3%
30-39	80	24.5	32.8
40-49	67	20.4	53.2
50-59	80	24.5	77.7
≥ 60	<u>73</u>	<u>22.3</u>	<b>100.0 %</b>
	<b>327</b>	<b>100.0 %</b>	



# IOWA PHARMACISTS

## Part-Time by Age and Gender

### 2021

<u>Age</u>	<u>Total</u>		<u>Total</u>		<u>PT</u>	
	<u>PT Male</u>	<u>%</u>	<u>PT Female</u>	<u>%</u>	<u>Total</u>	<u>Total %</u>
<30	12	2.9	9	2.2	21	5.1
30-39	9	2.2	56	13.4	65	15.6
40-49	13	3.1	107	25.6	120	28.7
50-59	19	4.5	100	23.9	119	28.4
≥60	47	11.2	46	11.0	93	22.2
	100	23.9%	318	76.1%	418	100%

# IOWA PHARMACISTS

## Principal Activity

### 2021

<u>Activity</u>	<u># of Pharmacists</u>	<u>Percent</u>
<b>Community*</b>	<b>1673</b>	<b>54.8%</b>
<b>Hospital</b>	<b>851</b>	<b>27.9</b>
<b>State/Federal Government**</b>	<b>173</b>	<b>5.6</b>
<b>Consultant</b> (Long Term Care)	<b>109</b>	<b>3.6</b>
<b>Academic**</b>	<b>72</b>	<b>2.4</b>
<b>Administrative/Management</b>	<b>72</b>	<b>2.4</b>
<b>Home Infusion Therapy</b>	<b>27</b>	<b>0.9</b>
<b>Public/Community Health</b>	<b>23</b>	<b>0.7</b>
<b>Other</b> (Service Ctr-Web, Dental, Research)	<b>21</b>	<b>0.7</b>
<b>Veterinary</b>	<b>13</b>	<b>0.4</b>
<b>Nuclear</b>	<b>11</b>	<b>0.3</b>
<b>Pharmaceutical Industry</b>	<b>5</b>	<b>0.2</b>
<b>Student Health</b>	<b>3</b>	<b>0.1</b>
<b>Total</b>	<b>3053</b>	<b>100.0%</b>

\*Community Includes: Chain, Independent, Franchise, Hospital-Sponsored, Company-Sponsored, and Relief

\*\*Includes non-Iowa-licensed pharmacists

# IOWA COMMUNITY PHARMACISTS

## By Activity

### 2021

<u>Activity</u>	<u># of Pharmacists</u>	<u>Percent</u>	<u># of Worksites</u>
<b>Chain</b>	<b>1045</b>	<b>62.5%</b>	<b>384</b>
<b>Independent</b>	<b>327</b>	<b>19.5</b>	<b>136</b>
<b>Hospital-Sponsored</b>	<b>155</b>	<b>9.3</b>	<b>61</b>
<b>Franchise</b>	<b>119</b>	<b>7.1</b>	<b>53</b>
<b>Other (Not Hospital Sponsored)</b>	<b>16</b>	<b>1.0</b>	<b>4</b>
<b>Company Sponsored</b>	<b>9</b>	<b>0.5</b>	<b>4</b>
<b>Relief</b>	<b><u>2</u></b>	<b><u>0.1</u></b>	<b><u>2</u></b>
<b>Total</b>	<b>1673</b>	<b>100.0%</b>	<b>644</b>

Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs  
 UI Carver College of Medicine, June 2022

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# IOWA PHARMACISTS

## Iowa Birth and UI Education 2021

	1999		2021	
	<u>Total</u>	<u>Percent</u>	<u>Total</u>	<u>Percent</u>
<b>All Iowa Pharmacists</b>	<b>2434</b>	<b>100.0%</b>	<b>3053</b>	<b>100.0%</b>
<b>Iowa Birthstate</b>	<b>1692</b>	<b>69.5%</b>	<b>1928</b>	<b>63.2%</b>
<b>UI Pharmacy Graduate</b>	<b>1104</b>	<b>45.4%</b>	<b>1395</b>	<b>45.7%</b>
<b>IA Birth and UI Graduate</b>	<b>920</b>	<b>37.8%</b>	<b>1119</b>	<b>36.7%</b>

# IOWA PHARMACISTS with UI Education or Graduate Training 2021

		<u>% of Total</u>	<u>Cumulative %</u>	<u>Number</u>	<u>% of Total</u>
<b>•Pharmacists' w/ UI Educational Experience</b>				<b>1574</b>	<b>51.5%</b>
—Pharmacy School (only)	<b>1395</b>	<b>45.7%</b>	<b>45.7%</b>		
—Pharmacy School/Residency	<b>123</b>	<b>4.0%</b>	<b>49.7%</b>		
—Residency (only)	<b>56</b>	<b>1.8%</b>	<b>51.5%</b>		
	<b>Subtotals</b>	<b>1574</b>	<b>51.5%</b>		
<b>•No UI Educational Experience</b>				<b>1479</b>	<b>48.5%</b>
<b>Totals</b>				<b>3053</b>	<b>100.00%</b>

# IOWA PHARMACISTS

## Iowa Birth and Drake Education 2021

	1999		2021	
	<u>Total</u>	<u>Percent</u>	<u>Total</u>	<u>Percent</u>
<b>All Iowa Pharmacists</b>	<b>2434</b>	<b>100.0%</b>	<b>3053</b>	<b>100.0%</b>
<b>Iowa Birthstate</b>	<b>1692</b>	<b>69.5%</b>	<b>1928</b>	<b>63.2%</b>
<b>Drake Pharmacy Graduate</b>	<b>682</b>	<b>28.0%</b>	<b>841</b>	<b>27.5%</b>
<b>IA Birth and Drake Graduate</b>	<b>490</b>	<b>20.1%</b>	<b>542</b>	<b>17.8%</b>



# IOWA PHARMACISTS with Drake Education or Graduate Training 2021

	<u>% of Total</u>	<u>Cumulative %</u>	<u>Number</u>	<u>% of Total</u>
<b>•Pharmacists w/ Drake Ed. Exp.</b>			<b>863</b>	<b>28.3%</b>
—Pharmacy School (only)	841	27.6%		27.6%
—Pharmacy School/Residency	13	0.4%		28.0%
—Residency (only)	<u>9</u>	<u>0.3%</u>		<u>28.3%</u>
<b>Subtotals</b>	<b>863</b>	<b>28.3%</b>		
<b>•No Drake Ed. Exp.</b>			<b><u>2190</u></b>	<b><u>71.7%</u></b>
			<b>Totals</b>	<b>3053</b>
				<b>100.0%</b>

# DISTRIBUTION OF PHARMACISTS By City Population Ranges 2021

<u>Population</u>	<u>Cities in Iowa</u>	<u># of Cities with Pharmacists</u>	<u># of Pharmacists</u>	<u>Percent</u>	<u>Cumulative Percent</u>
<b>&lt; 5,000</b>	<b>943</b> <small>(62CDP)</small>	<b>133</b>	<b>412</b>	<b>13.5%</b>	<b>13.5%</b>
<b>5,000-14,999</b>	<b>54</b>	<b>52</b>	<b>528</b>	<b>17.3%</b>	<b>30.8%</b>
<b>15,000-49,999</b>	<b>20</b>	<b>20</b>	<b>495</b>	<b>16.2%</b>	<b>47.0%</b>
<b>50,000-99,999</b>	<b>8</b>	<b>7</b>	<b>962</b>	<b>31.5%</b>	<b>78.5%</b>
<b>≥ 100,000</b>	<b><u>3</u></b>	<b><u>3</u></b>	<b><u>656</u></b>	<b><u>21.5%</u></b>	<b>100%</b>
<b>Totals</b>	<b>1028</b>	<b>215</b>	<b>3053</b>	<b>100%</b>	

**69% of Iowa's Pharmacists are in the 30 cities with  $\geq$  15,000 residents.**

Population Source: US Census City Population Estimates 2020

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

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# IOWA COMMUNITY PHARMACISTS

## Distribution by Community Size

### 2021

<u>Community Population</u>	<u># of Cities with Pharmacists</u>	<u>Number of RPh</u>	<u>Percent</u>	<u>Cumulative Percent</u>
≤ 5,000	128	311	18.6%	18.6%
5,000 – 14,999	51	394	23.6	42.2
15,000 – 49,999	20	322	19.2	61.4
50,000 – 99,999	8	357	21.3	82.7
≥ 100,000	3	289	17.3	100.0%
<b>Total</b>	<b>210</b>	<b>1673</b>	<b>100.0%</b>	

# IOWA INDEPENDENT PHARMACISTS

## Distribution by Community Size

### 2021

<u>Community Population</u>	<u># of Cities with Pharmacists</u>	<u># of RPh</u>	<u>Percent</u>	<u>Cumulative Percent</u>
< 5,000	69	139	42.5%	42.5%
5,000 – 14,999	30	96	29.4	71.9
15,000 – 49,999	7	22	6.7	78.6
50,000 – 99,999	6	46	14.1	92.7
≥ 100,000	3	24	7.3	100.0%
<b>Total</b>	<b>115</b>	<b>327</b>	<b>100.0%</b>	

**72% of independent pharmacists work in communities of <15,000**

# IOWA HOSPITAL PHARMACISTS

## Distribution by Community Size

### 2021

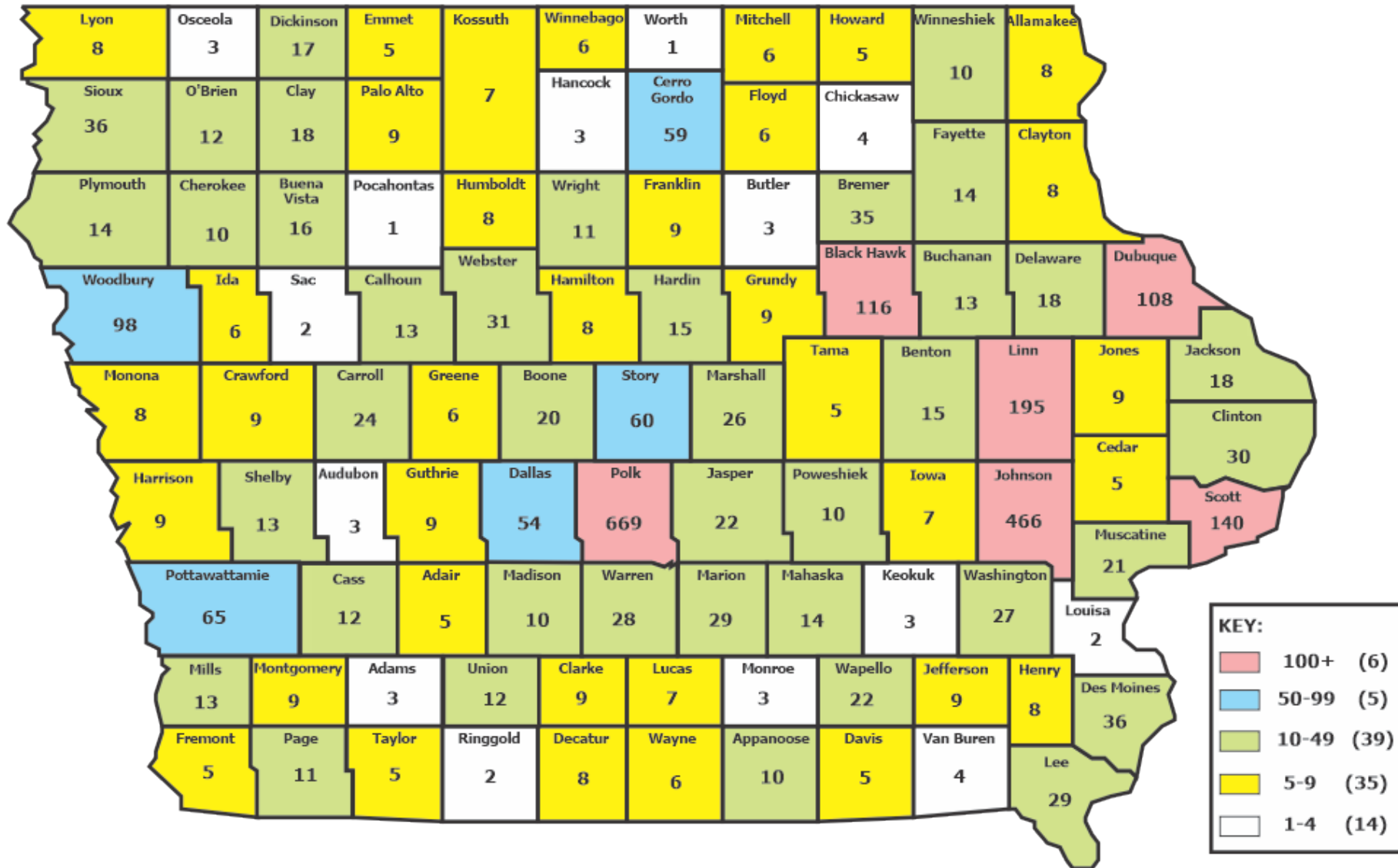
<u>Community Population</u>	<u># of Cities with Pharmacists</u>	<u># of RPh</u>	<u>Percent</u>	<u>Cumulative Percent</u>
< 5,000	42	72	8.5%	8.5%
5,000 – 14,999	40	103	12.1	20.6
15,000 – 49,999	11	63	7.4	28.0
50,000 – 99,999	7	385	45.2	73.2
≥ 100,000	3	228	26.8	100.0%
<b>Total</b>	<b>103</b>	<b>851</b>	<b>100.0 %</b>	

# **Geographic Distributions**

# IOWA PHARMACISTS

## All Activities (3,053)

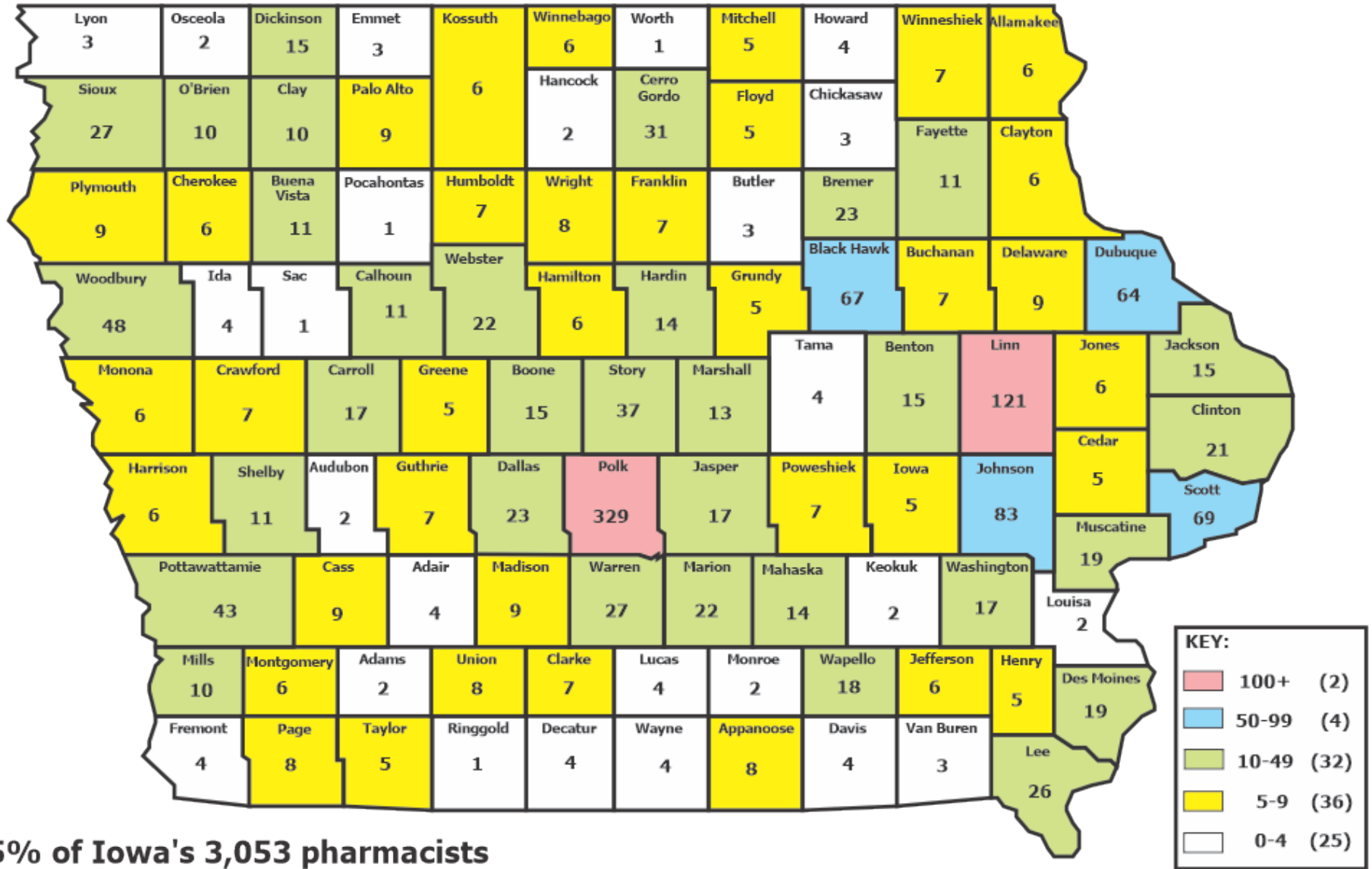
### 2021



# IOWA PHARMACISTS

## Community Pharmacists (1,673\*)

### 2021



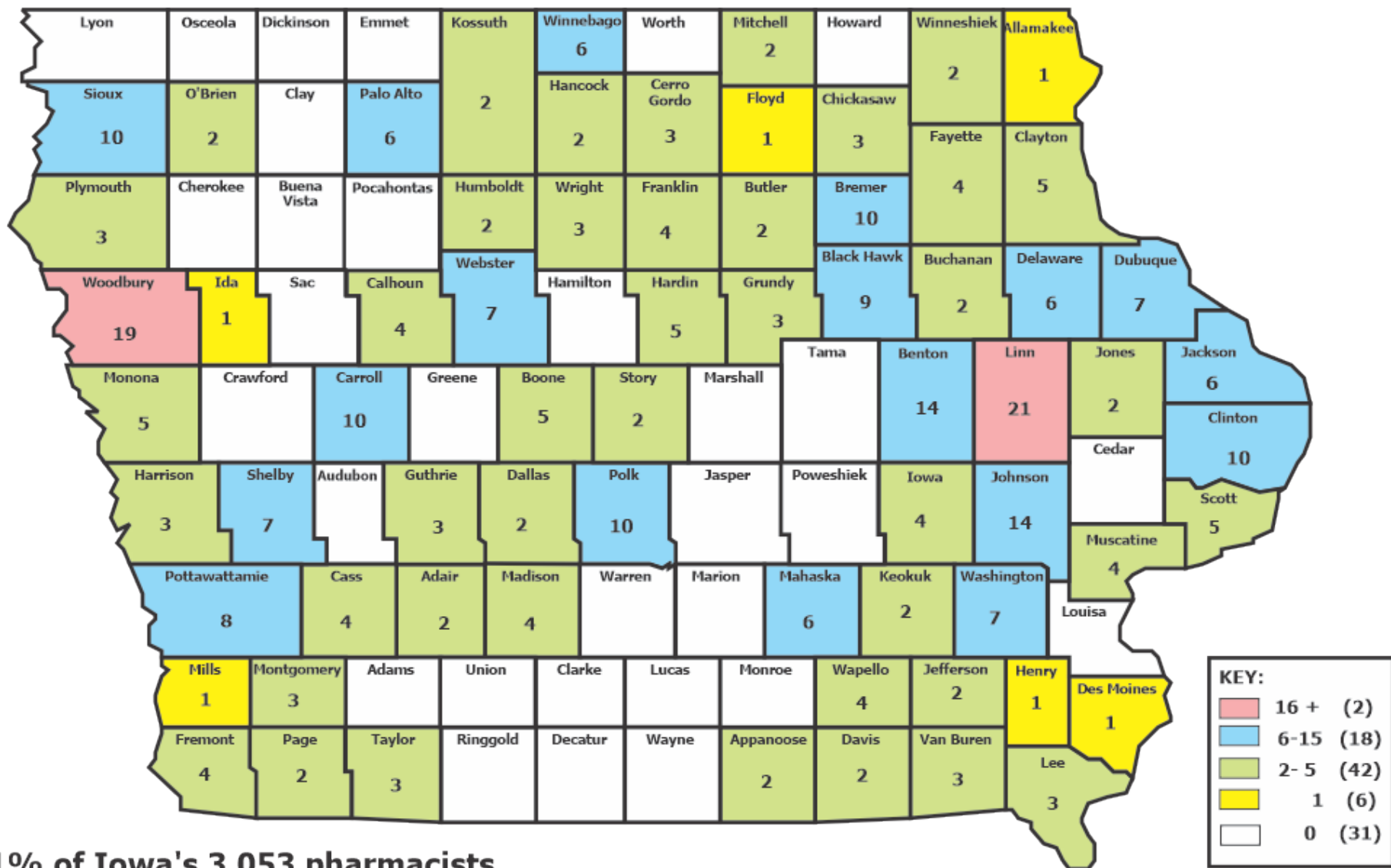
\*55% of Iowa's 3,053 pharmacists



# IOWA PHARMACISTS

## Independent Pharmacists (327\*)

### 2021

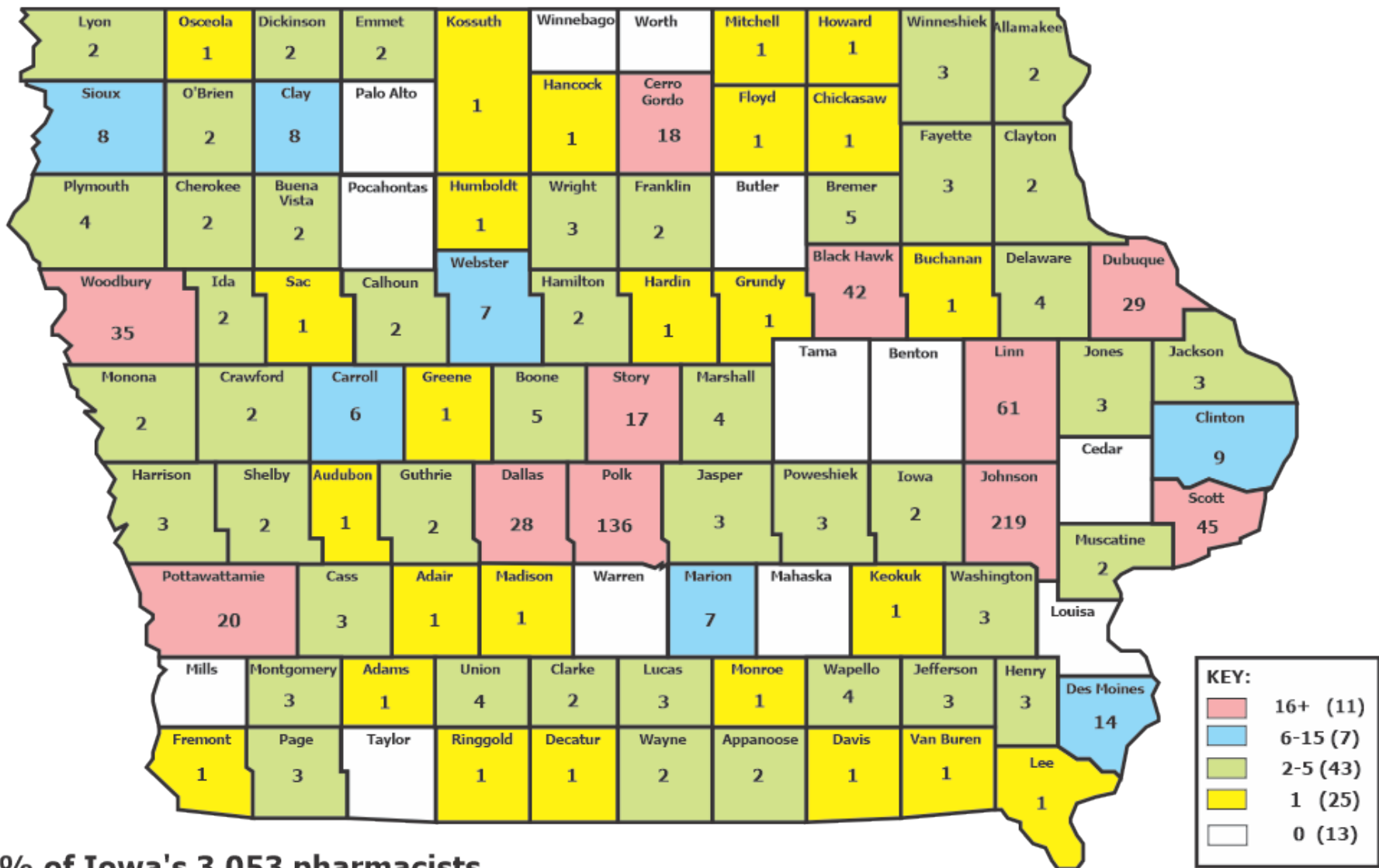


\*11% of Iowa's 3,053 pharmacists

# IOWA PHARMACISTS

## Hospital Pharmacists (851\*)

### 2021

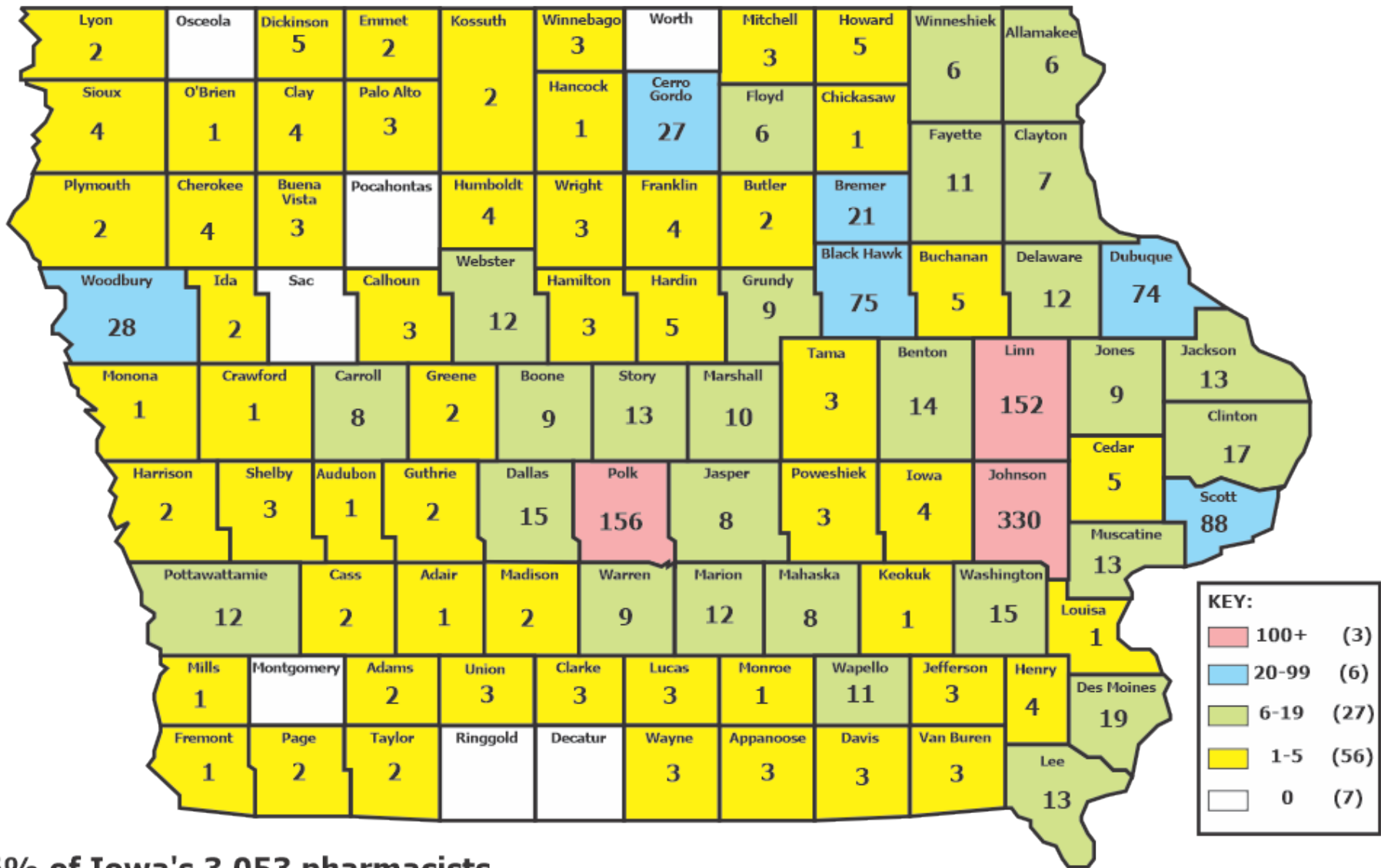


\*28% of Iowa's 3,053 pharmacists

# UI PHARMACY GRADUATES (1,395\*)

## All Professional Activities

### 2021

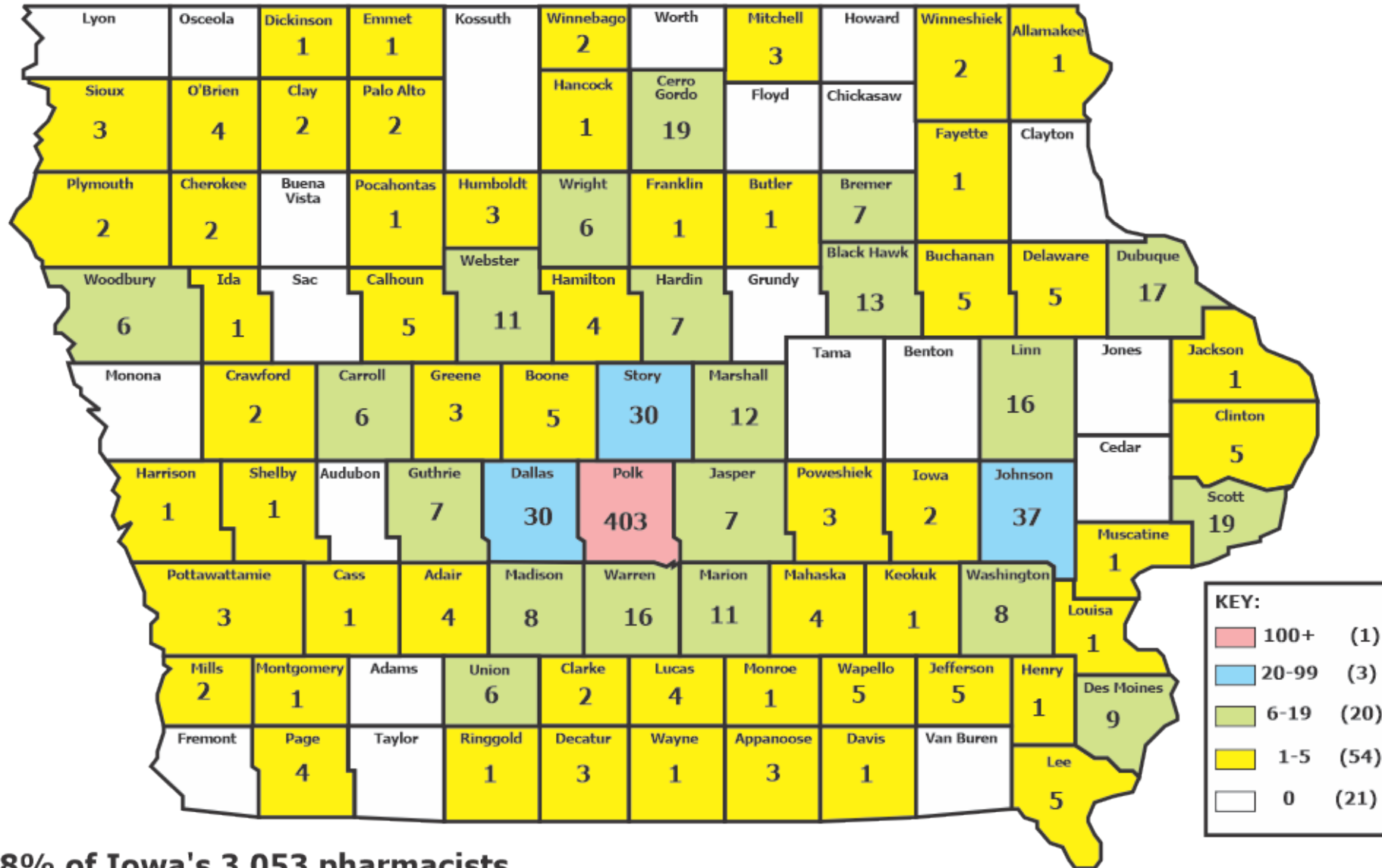


**\*46% of Iowa's 3,053 pharmacists**

# DRAKE PHARMACY GRADUATES (841)\*

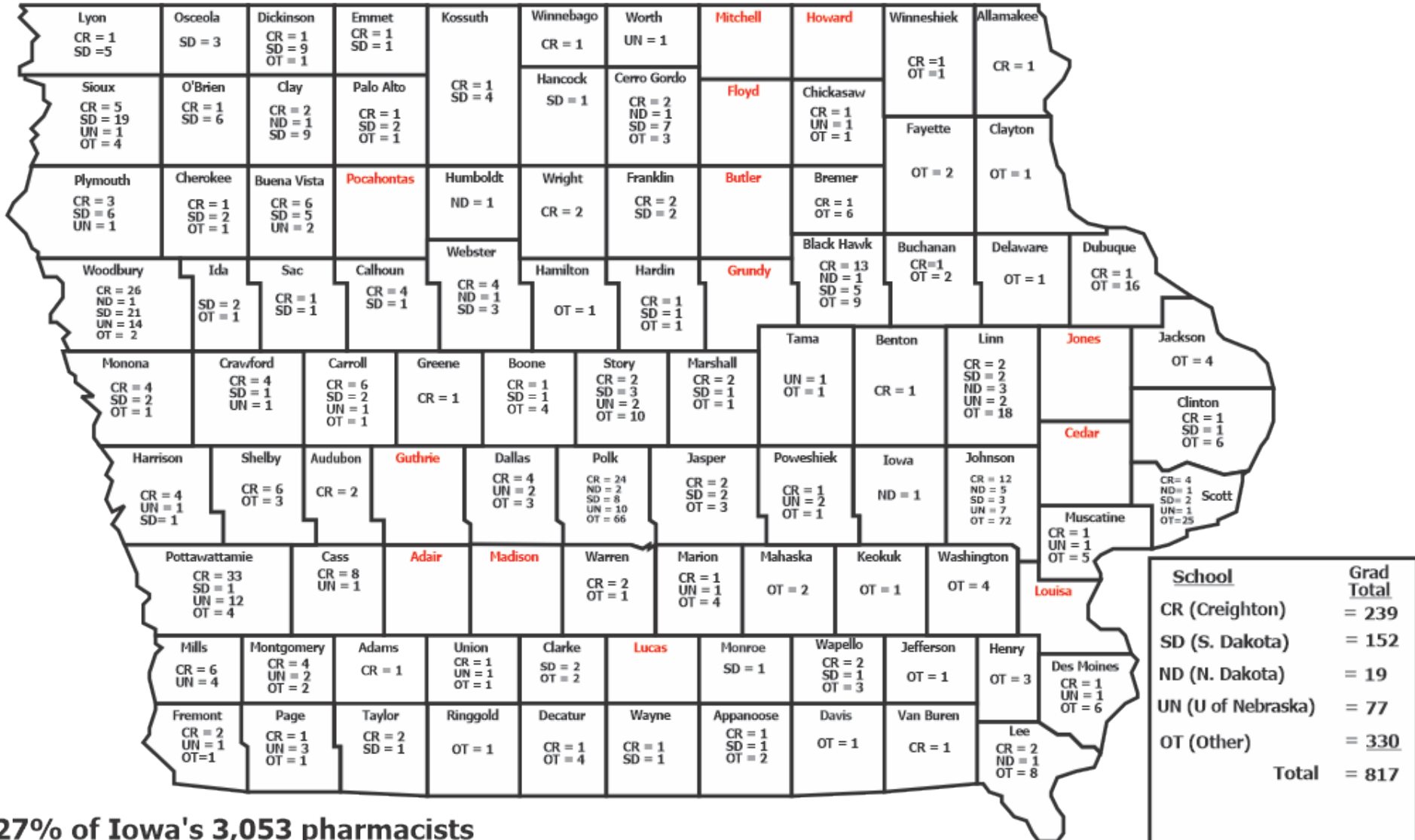
## All Professional Activities

### 2022

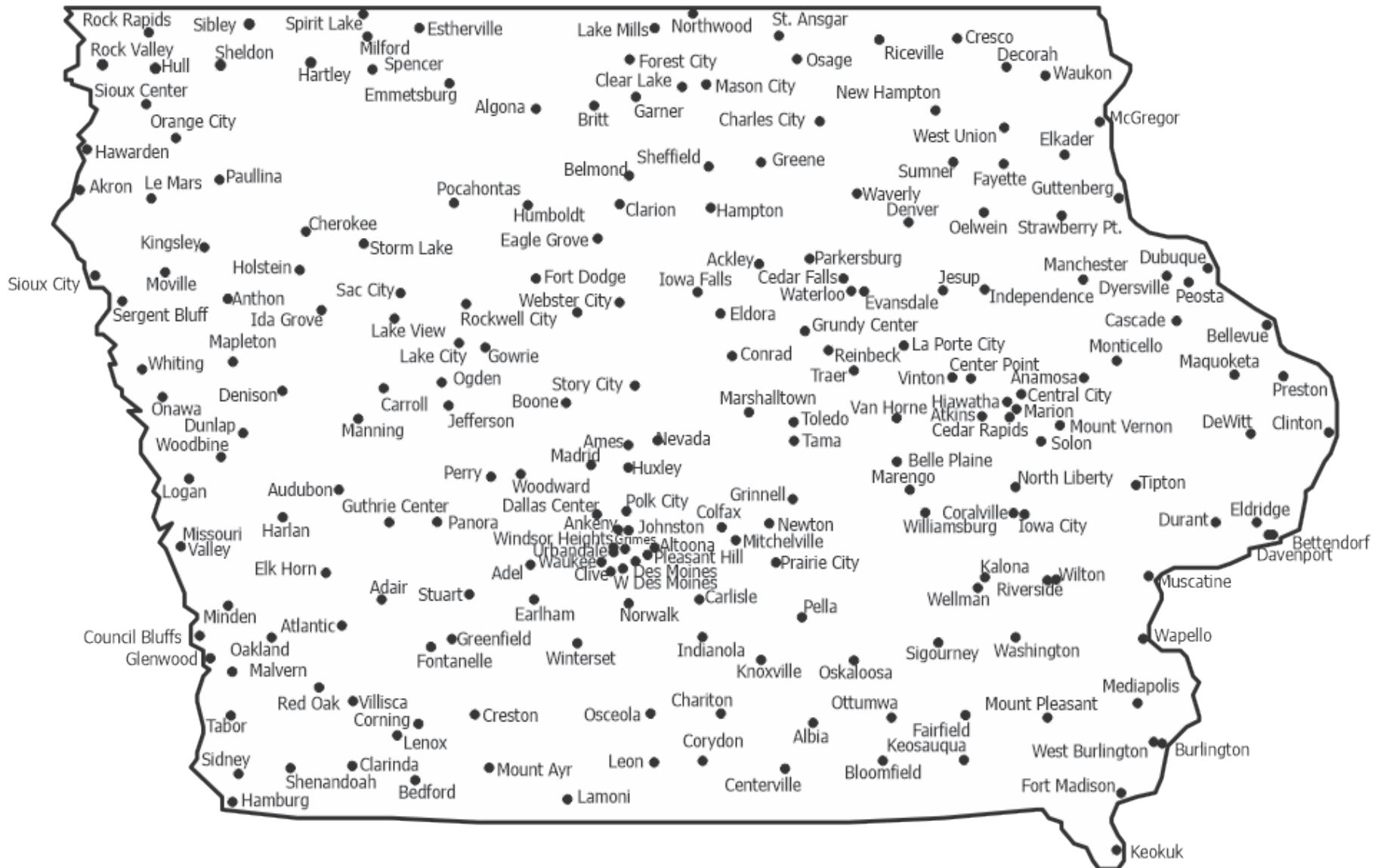


\*28% of Iowa's 3,053 pharmacists

# DISTRIBUTION OF PHARMACY GRADUATES FROM COLLEGES OTHER THAN UI AND DRAKE\* 2021



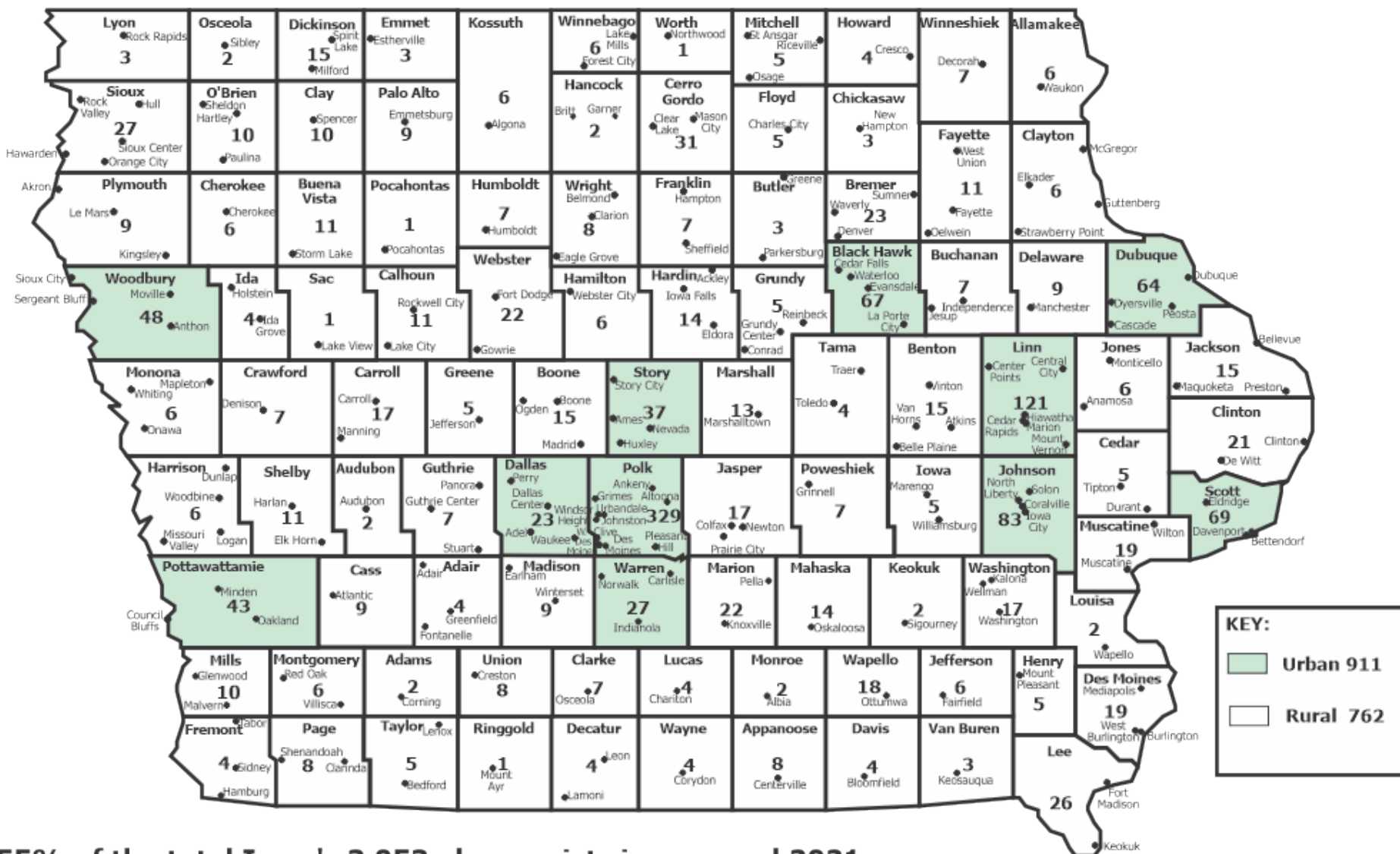
# COMMUNITIES WITH PHARMACISTS (216) 2021



# IOWA PHARMACISTS

## Community Pharmacist (1,673)\*\*

### 2021



**KEY:**

- Urban 911
- Rural 762

**\*55% of the total Iowa's 3,053 pharmacists in year end 2021**  
**\*\* 210 Communities**



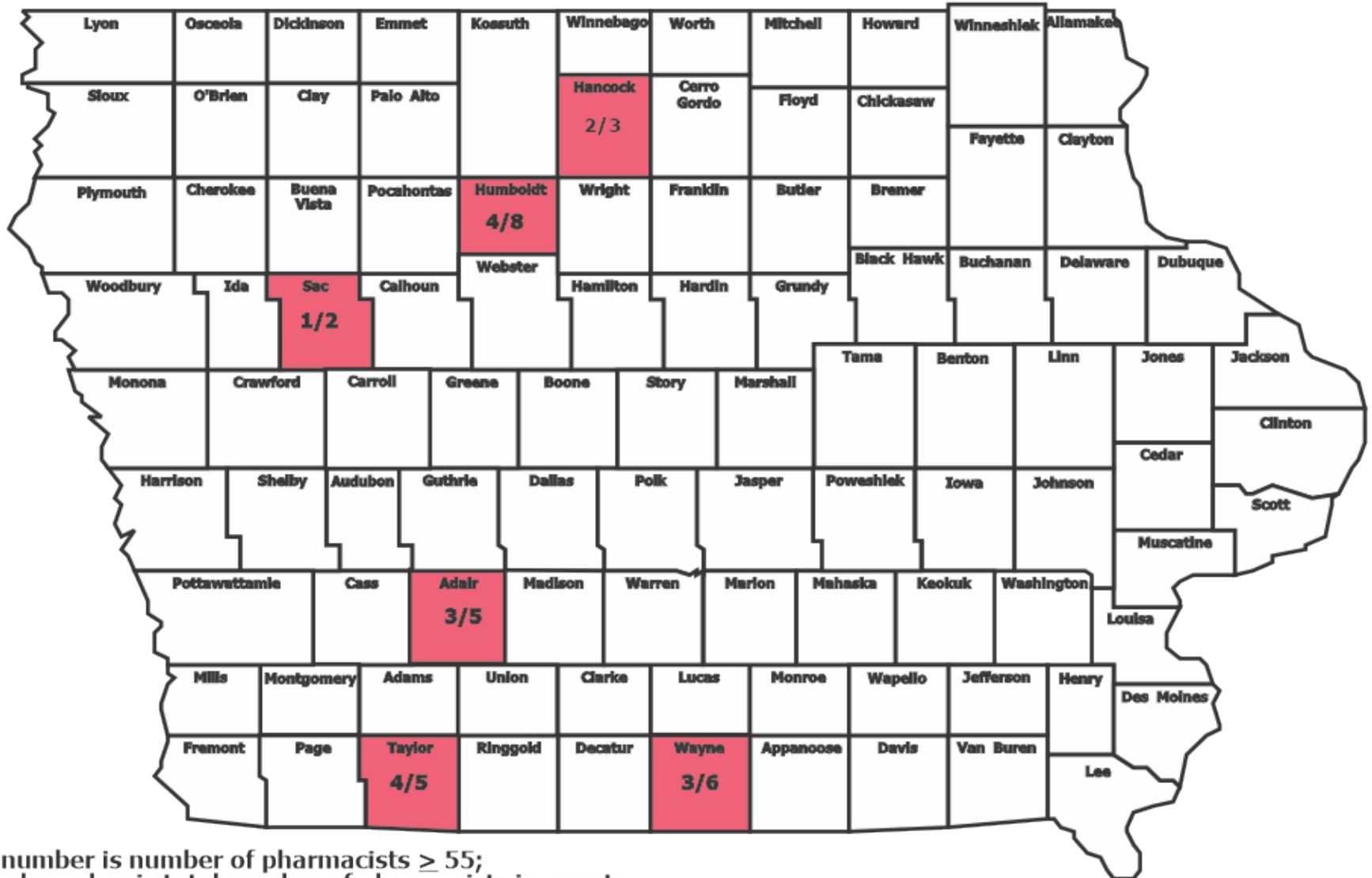


# IOWA COUNTIES

## WITH 50% OF PHARMACISTS ≥ AGE 55

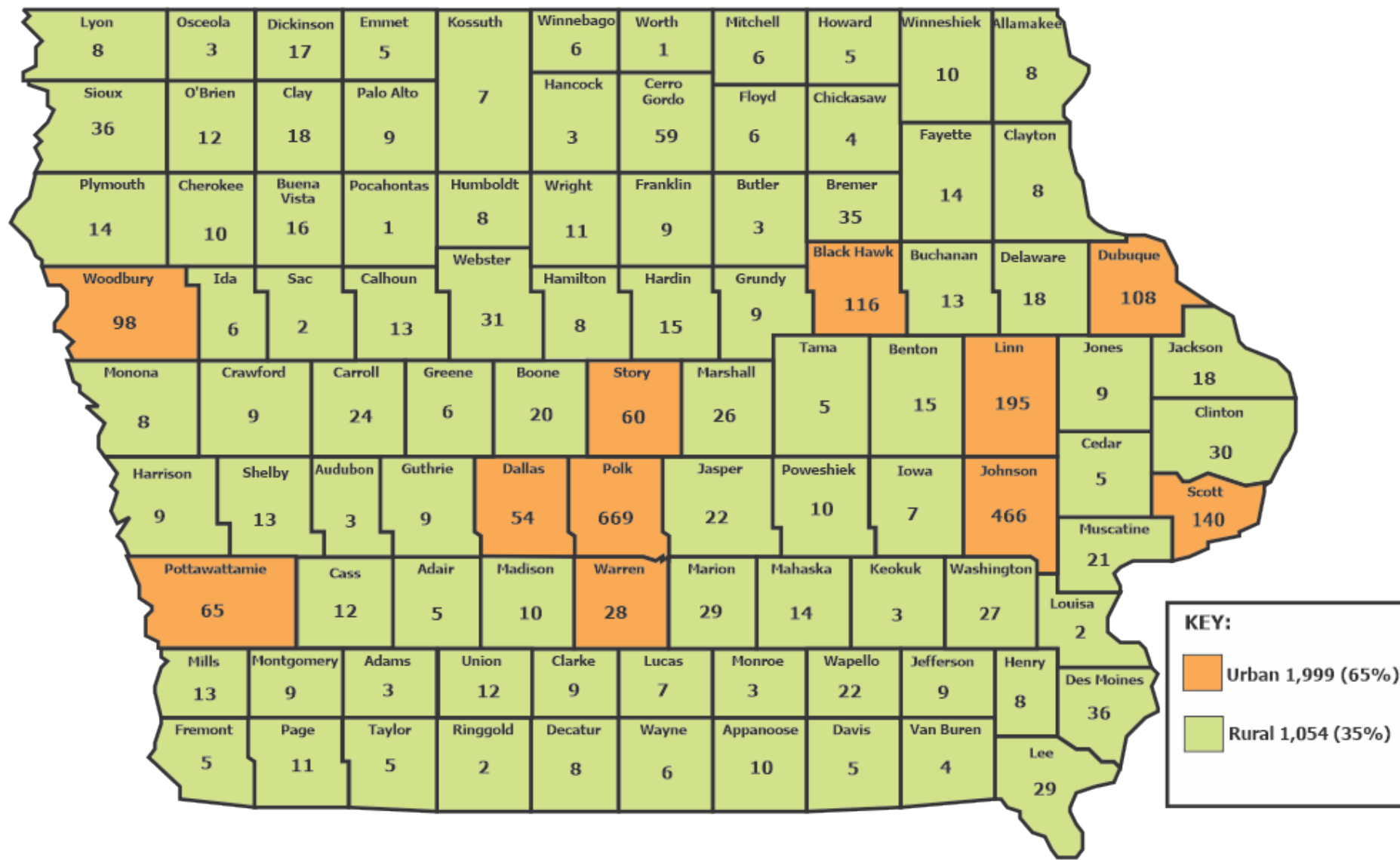
### All Professional Activities<sup>1</sup>

## 2021



First number is number of pharmacists ≥ 55;  
 Second number is total number of pharmacists in county.

# DISTRIBUTION OF ALL PHARMACIST (3,053) By Rural vs. Urban 2021

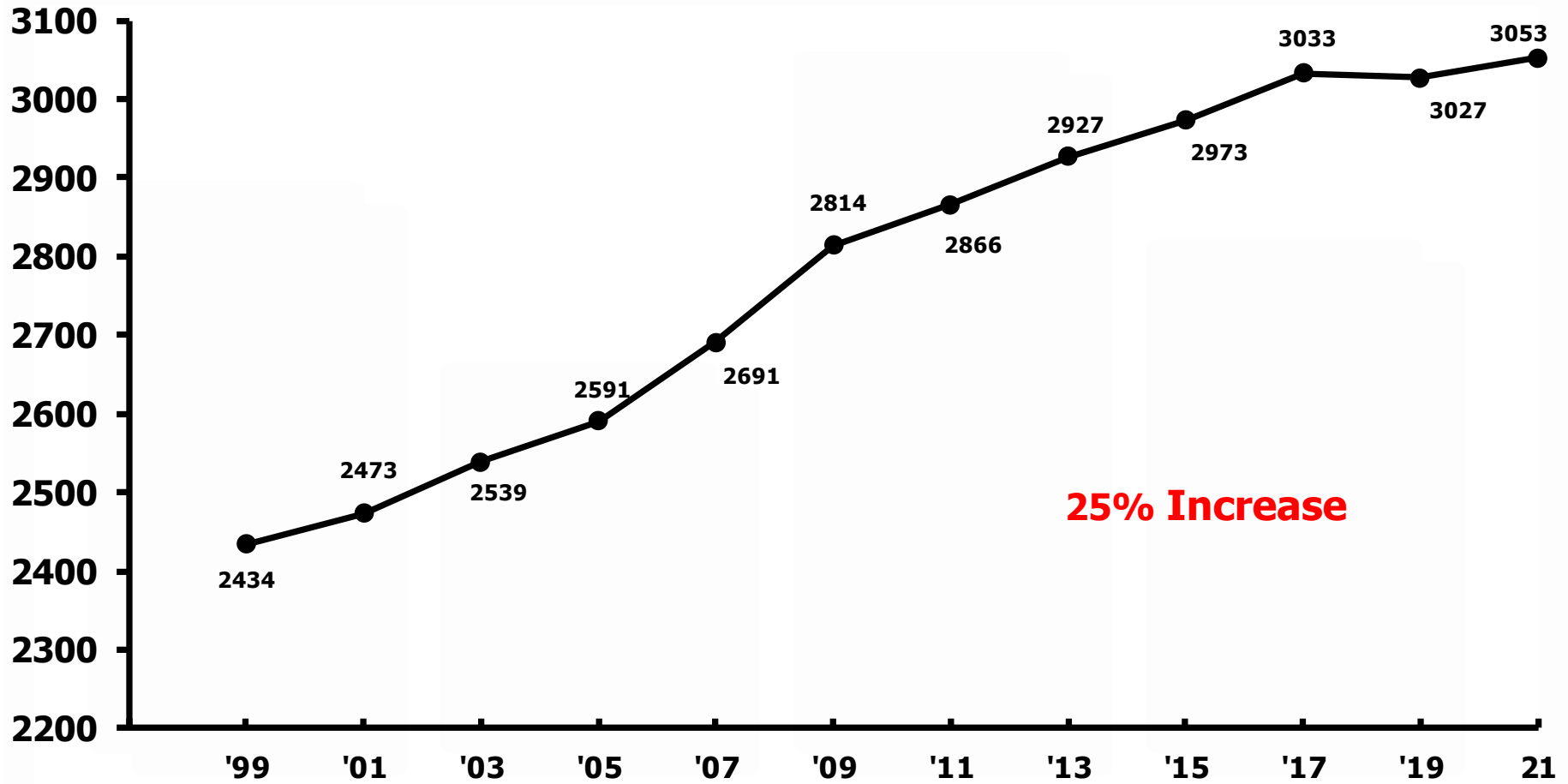


**KEY:**

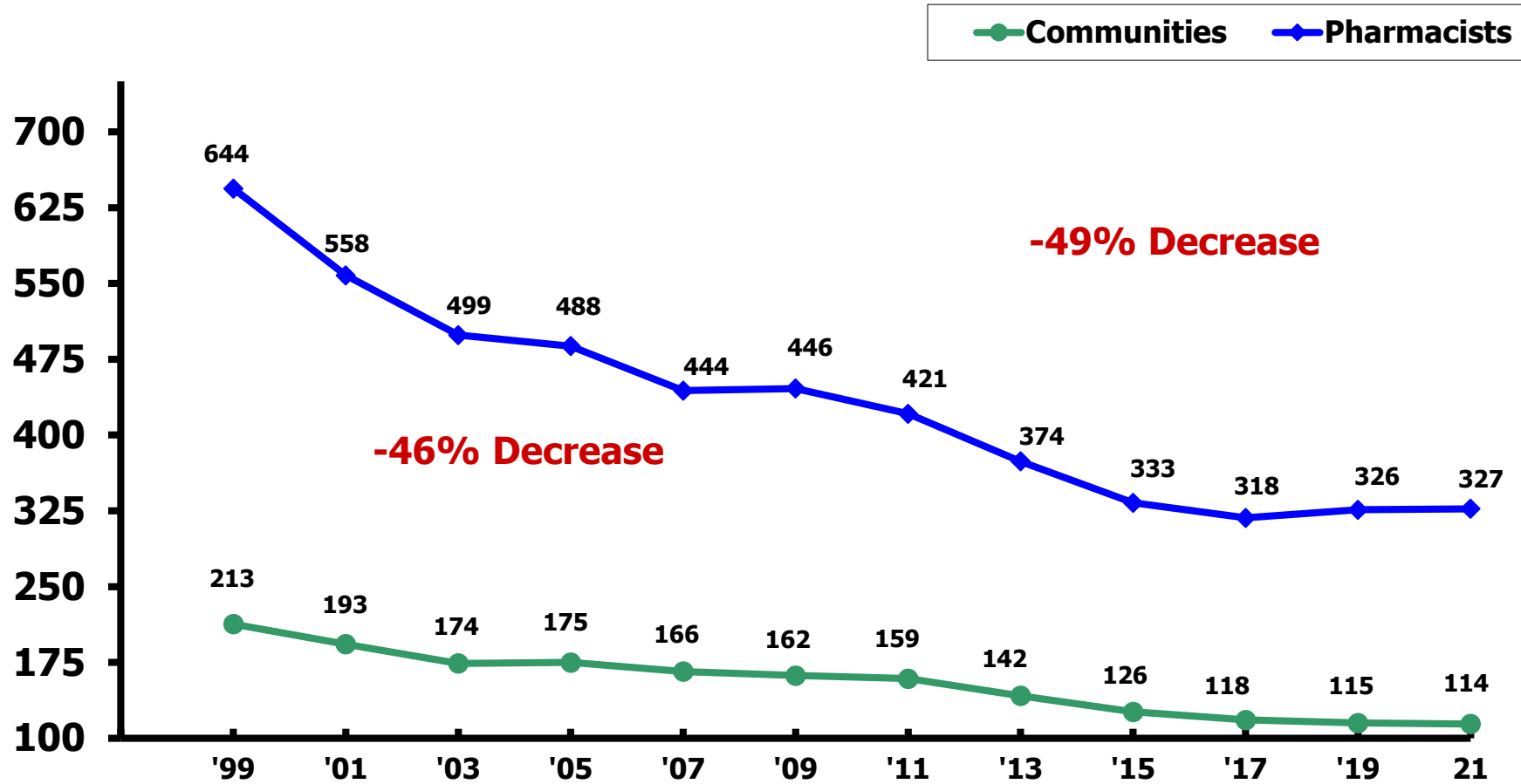
- Urban 1,999 (65%)
- Rural 1,054 (35%)

# Trends

# IOWA PHARMACISTS 1999 - 2021



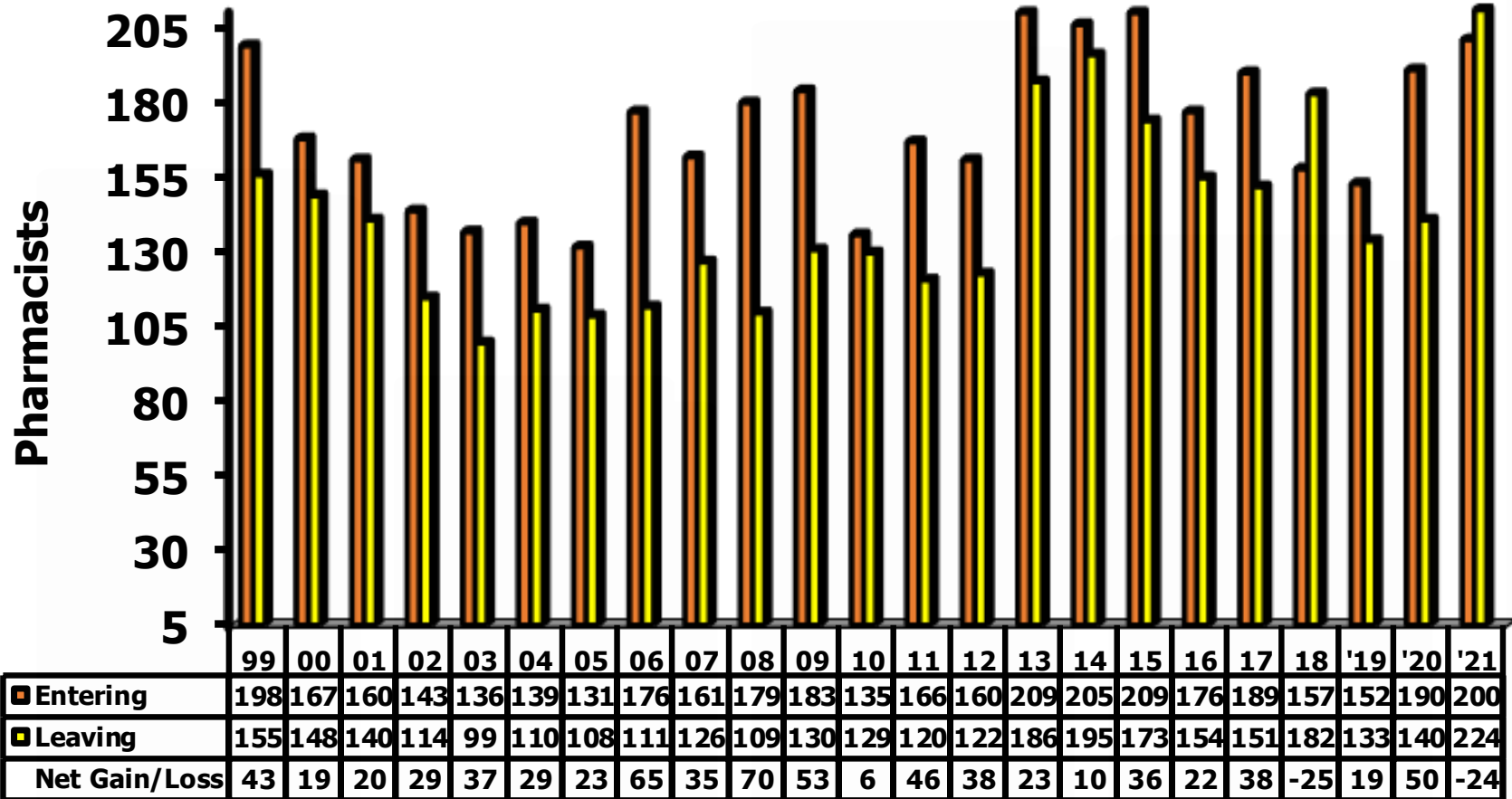
# IOWA COMMUNITIES WITH INDEPENDENT PHARMACISTS 1999 - 2021



# IOWA PHARMACISTS

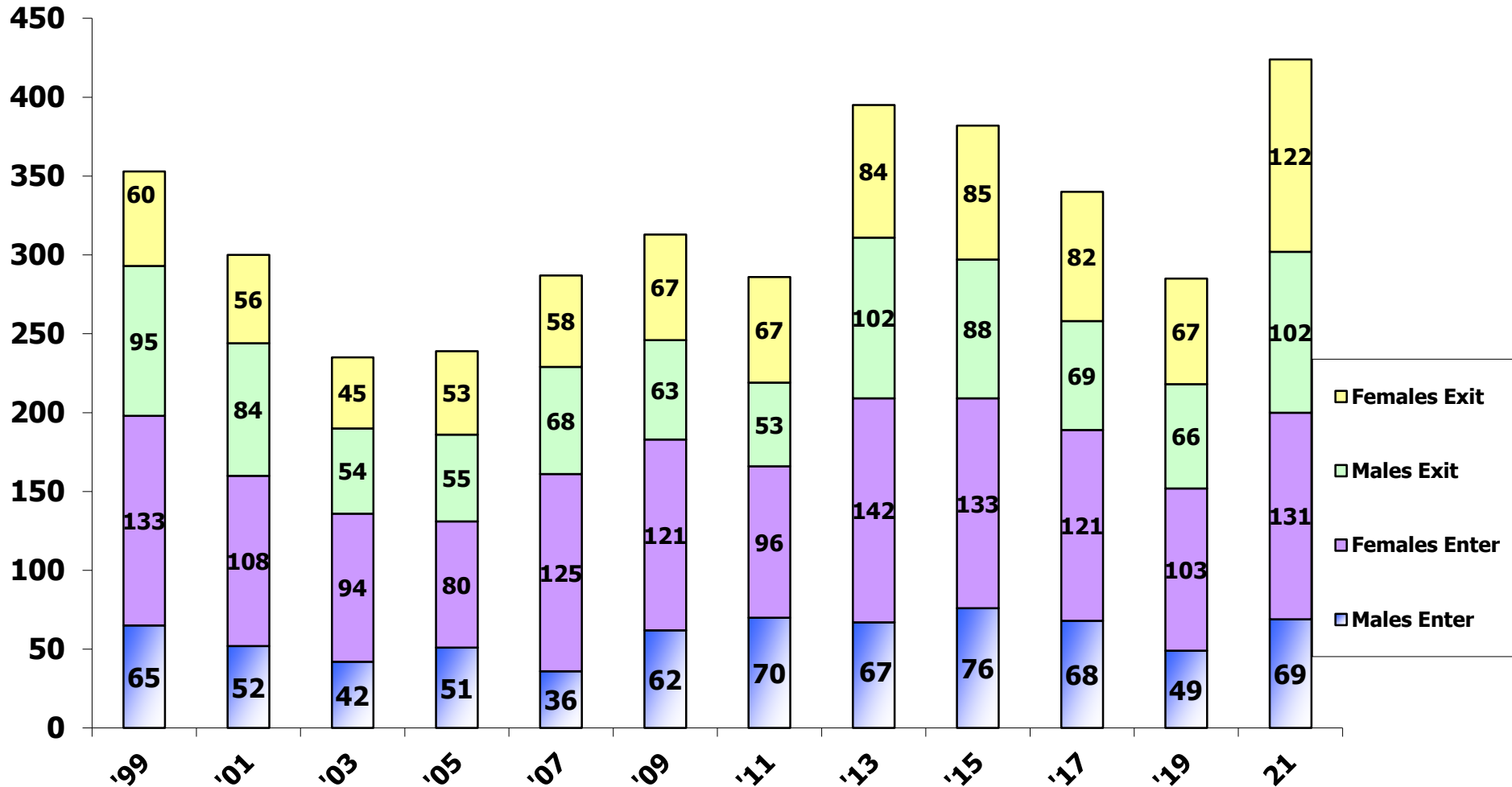
## Net Gain/Loss

### 1999 - 2021



Average Net Gain/Loss = 26/year  
 5-Year Average Net Gain/Loss = -3/yr

# ALL IOWA PHARMACISTS Entry/Exit by Gender 1999-2021



Source: Iowa Health Professions Tracking Center, Office of Statewide Clinical Education Programs  
UI Carver College of Medicine, July 2022

K:\Document\Pharmacy\YE2021\Entry-Exit\132\_2.PPTX

# IOWA PHARMACISTS BY ACTIVITY

## Net Increase/Decrease 1999 vs. 2021

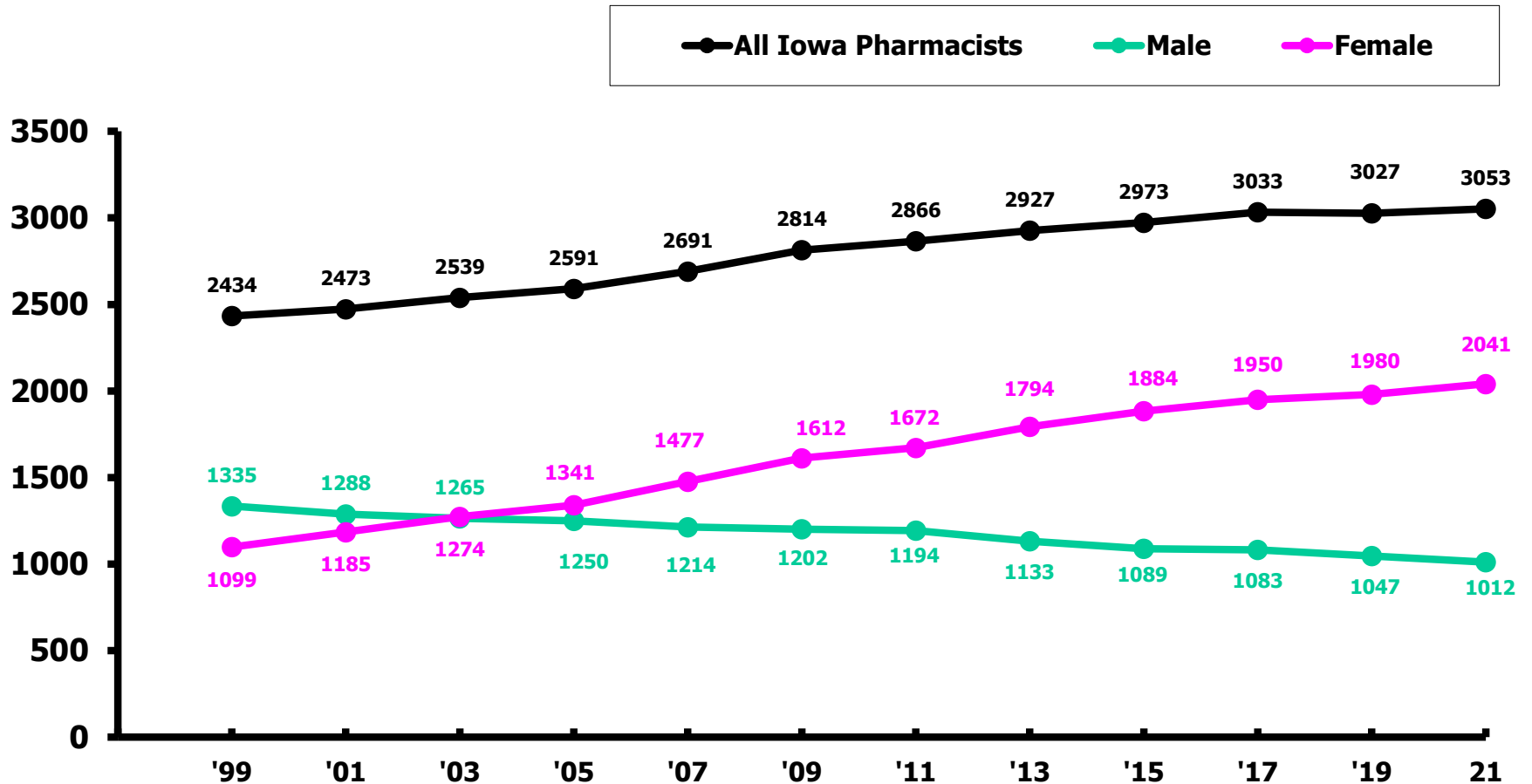
	<u>1999</u>	<u>2021</u>	<u>Change (%)</u>
• All Active Pharmacists	2434	3053	+619 (+25%)
• Community Pharmacists	1626	1673	+ 47 (+3%)
• Hospital Pharmacists	490	851	+361 (+73%)
• All Other Pharmacists	318	529	+211 (+66%)



# IOWA PHARMACISTS

## Gender

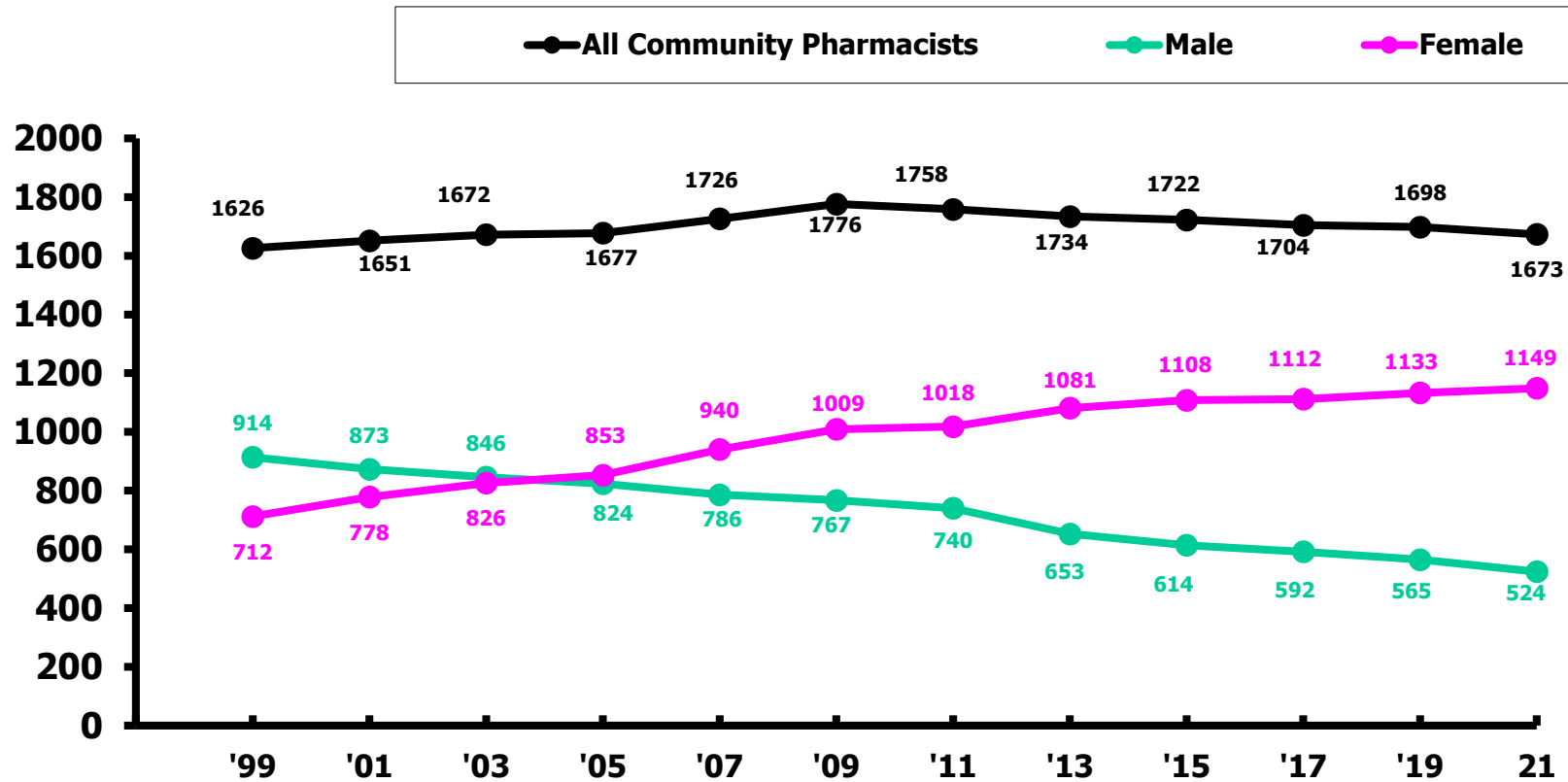
### 1999 - 2021



# IOWA COMMUNITY PHARMACISTS

## Gender

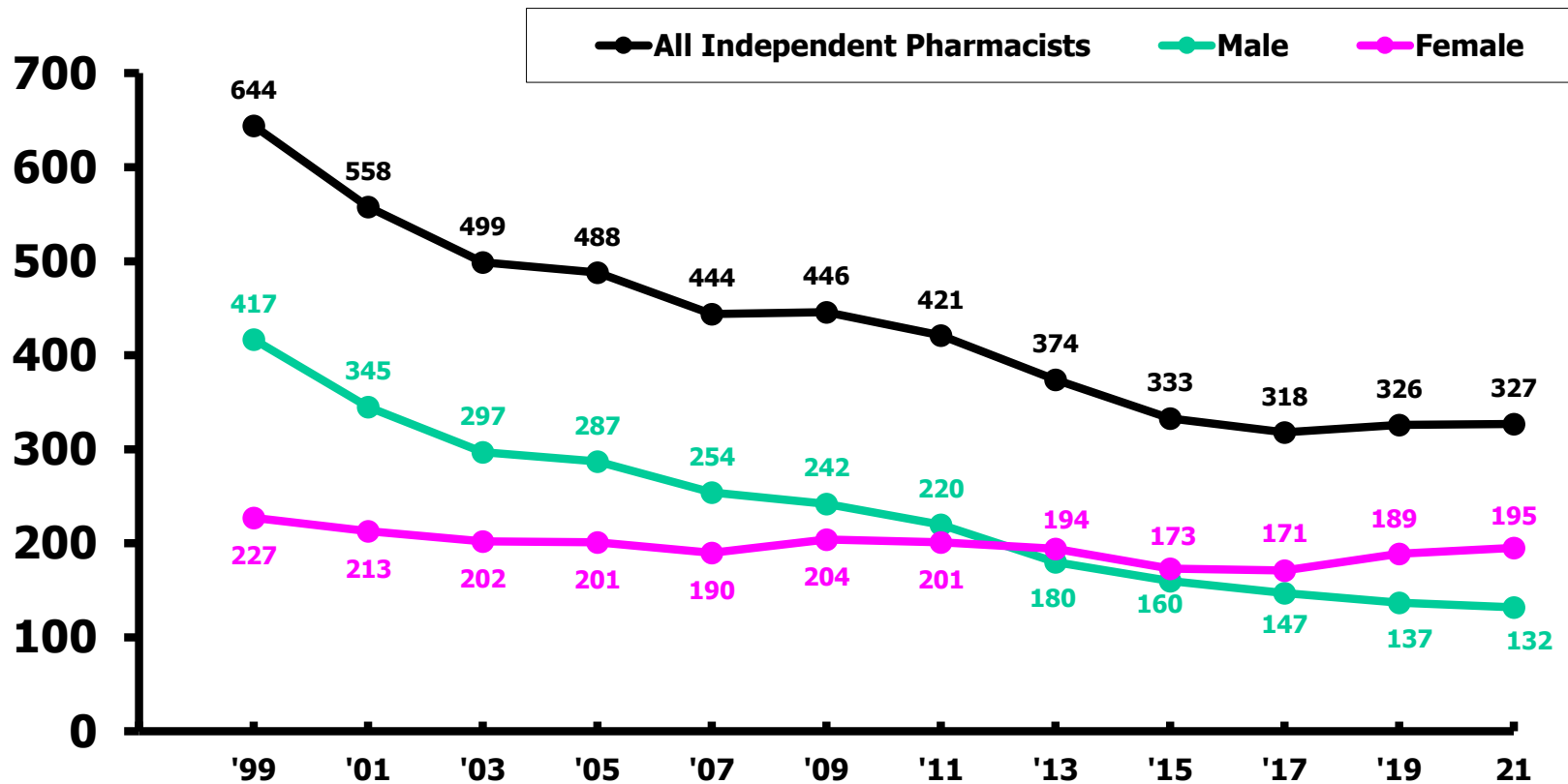
### 1991 - 2021



# IOWA INDEPENDENT PHARMACISTS

## Gender

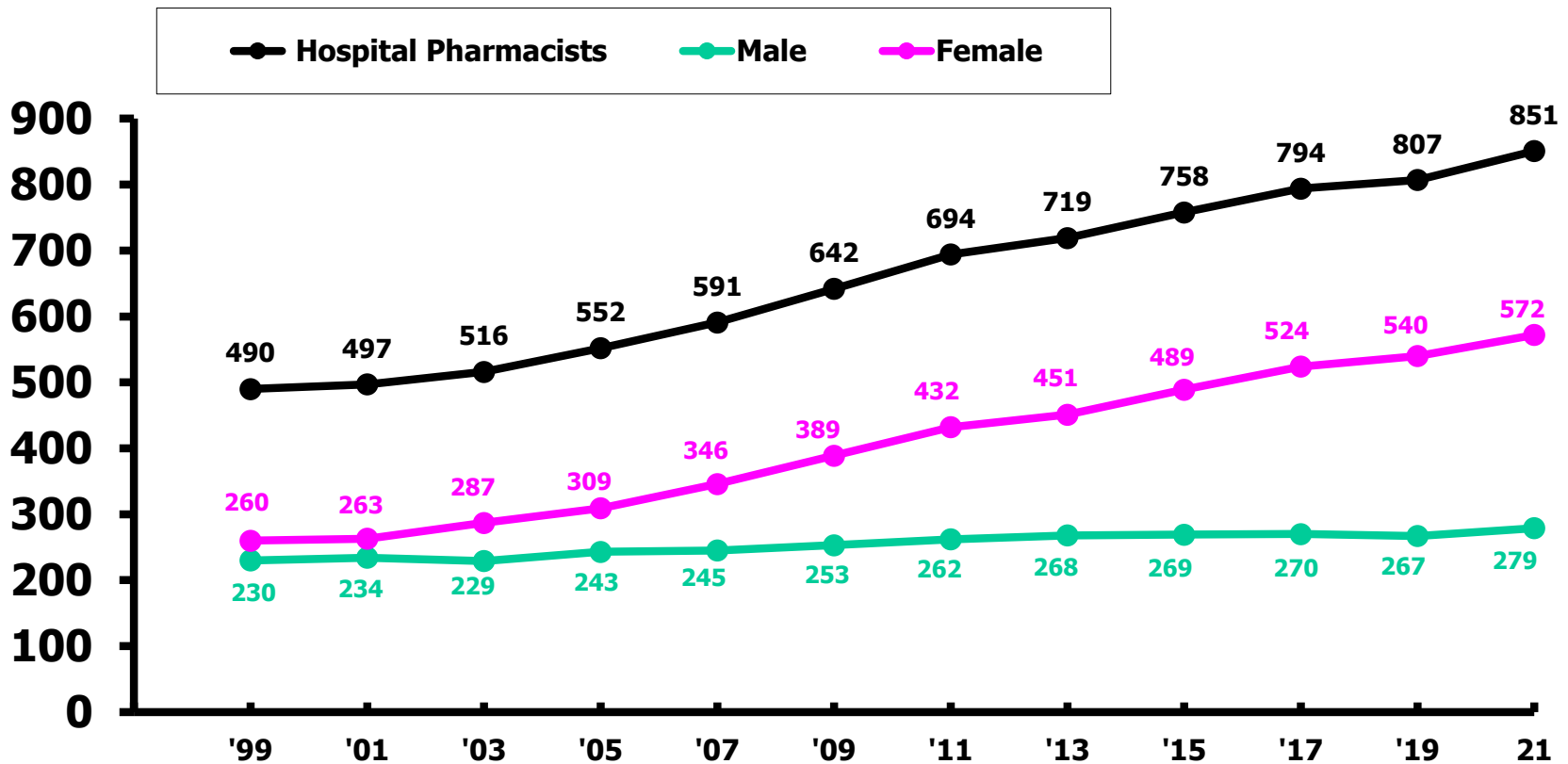
### 1999 - 2021



# IOWA HOSPITAL PHARMACISTS

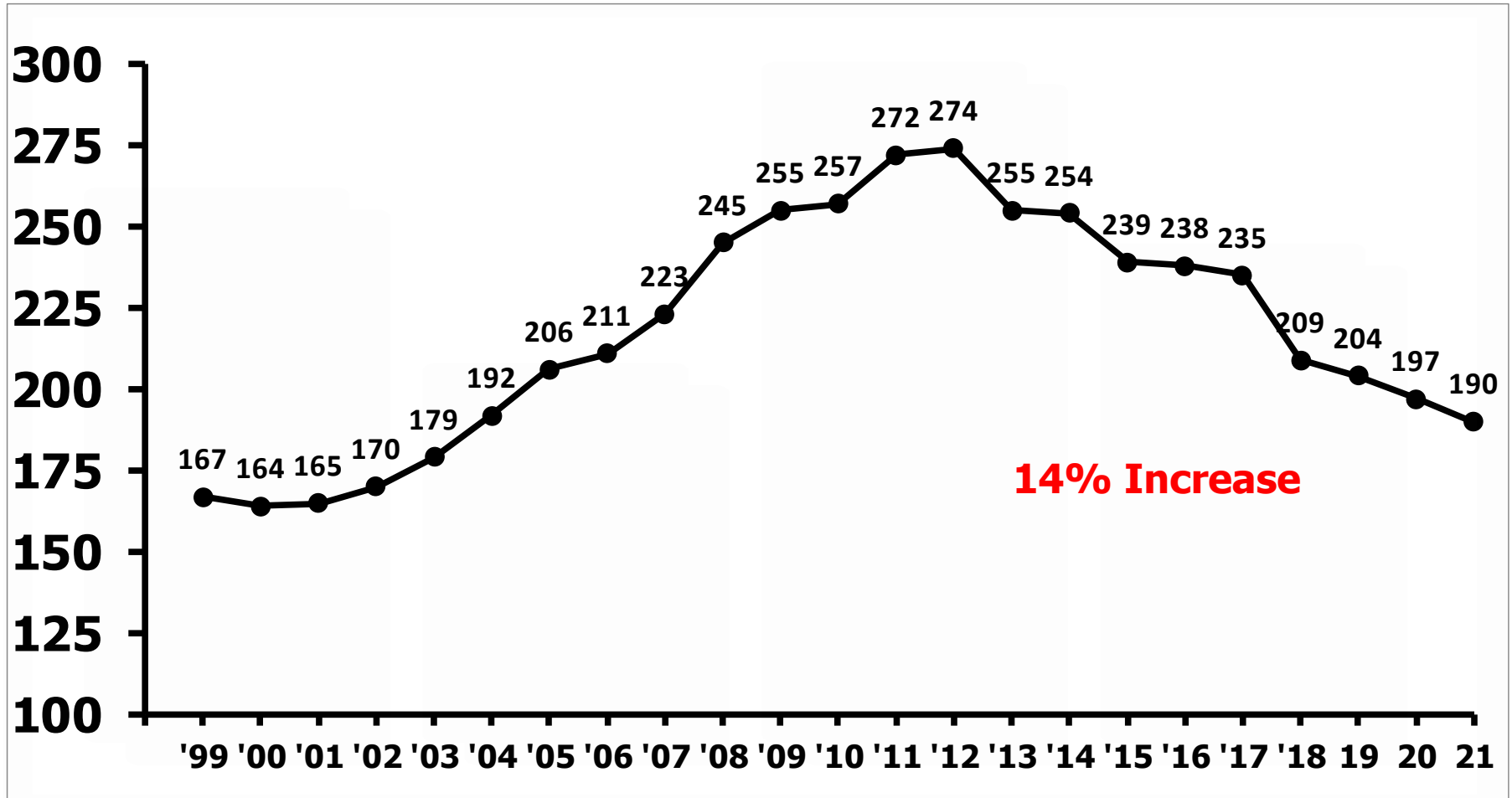
## Gender

### 1999 - 2021



# IOWA PHARMACISTS

## Age $\geq$ 55 with Population $\leq$ 10,000 1999 - 2021



# IOWA PHARMACISTS

## Attrition Analysis

### 1999-2021

Year	Retirement	Relocation	Death	Health	Training	Inactive	Loss of License	Military	Misc.	Total
1999	44	90	3	1	2	10	1	-	4	155
2000	21	96	4	-	6	15	1	-	5	148
2001	34	85	3	3	1	11	3	-	-	140
2002	23	70	2	1	1	16	-	1	-	114
2003	16	49	5	1	1	24	1	-	2	99
2004	26	52	7	1	-	15	1	-	8	110
2005	21	64	4	-	1	18	-	-	-	108
2006	31	64	3	3	1	9	-	-	-	111
2007	25	60	1	-	-	33	1	1	5	126
2008	23	45	3	2	-	30	2	-	4	109
2009	27	52	6	2	1	31	3	-	8	130
2010	39	53	1	-	1	19	2	-	14	129
2011	32	42	3	1	1	12	6	-	23	120
2012	43	39	3	3	-	10	6	-	18	122
2013	83	55	2	1	2	15	2	-	26	186
2014	67	68	1	1	-	25	7	-	26	195
2015	49	58	2	4	-	40	1	-	19	173
2016	50	41	2	1	1	51	2	-	6	154
2017	41	43	2	1	1	30	2	-	31	151
2018	52	37	5	1	2	16	1	-	68	182
2019	37	41	4	-	-	13	1	-	37	133
2020	43	46	1	1	1	11	1	-	36	140
2021	<u>72</u>	<u>73</u>	1	3	-	<u>22</u>	2	-	<u>51</u>	224
<b>Total</b>	<b>899</b>	<b>1323</b>	<b>68</b>	<b>31</b>	<b>23</b>	<b>476</b>	<b>46</b>	<b>2</b>	<b>391</b>	<b>3259</b>
<b>Annual Average</b>	<b>39.1</b>	<b>57.5</b>	<b>3.0</b>	<b>1.3</b>	<b>1.0</b>	<b>20.7</b>	<b>2.0</b>	<b>0.1</b>	<b>17.0</b>	<b>141.7</b>

# **IOWA PHARMACISTS**

## **Retirement Summary**

### **2021**

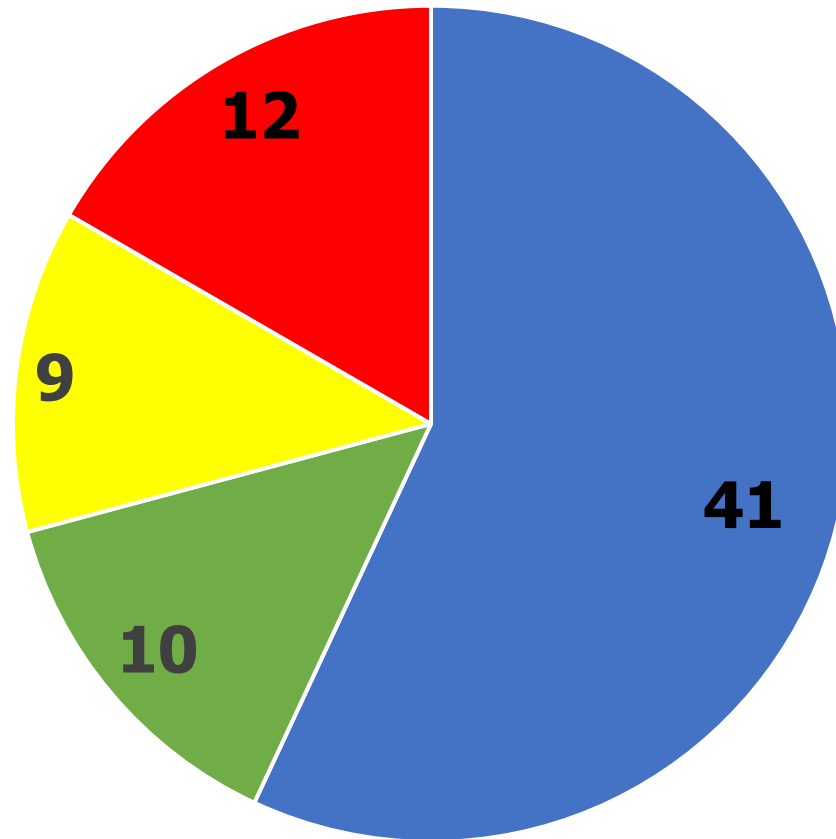
**Retirements = 72**

**Mean Age = 65**

**Median Age = 66**

**Note: Average Retirements over last 5 years = 38**

# PHARMACISTS RETIRING ACTIVITIES 2021

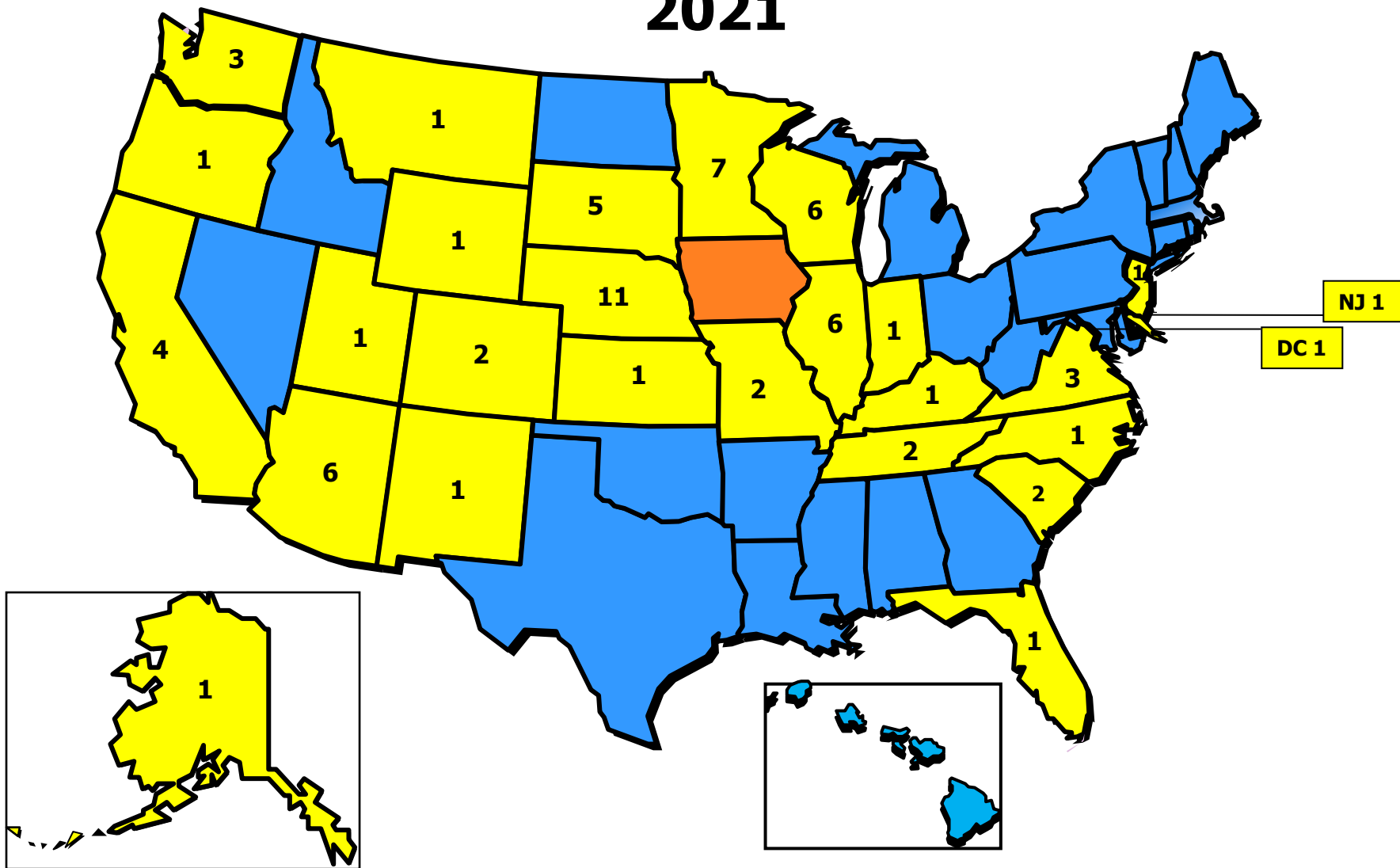


**Total =72**

■ Community ■ Hospital ■ Independent ■ Other



# RELOCATION OF IOWA PHARMACISTS IN US (73) 2021



# **Workforce Comparisons**

# IOWA HEALTH PROFESSIONS INVENTORY

## Composition of Workforce – 2021

**Physicians** **5,910**

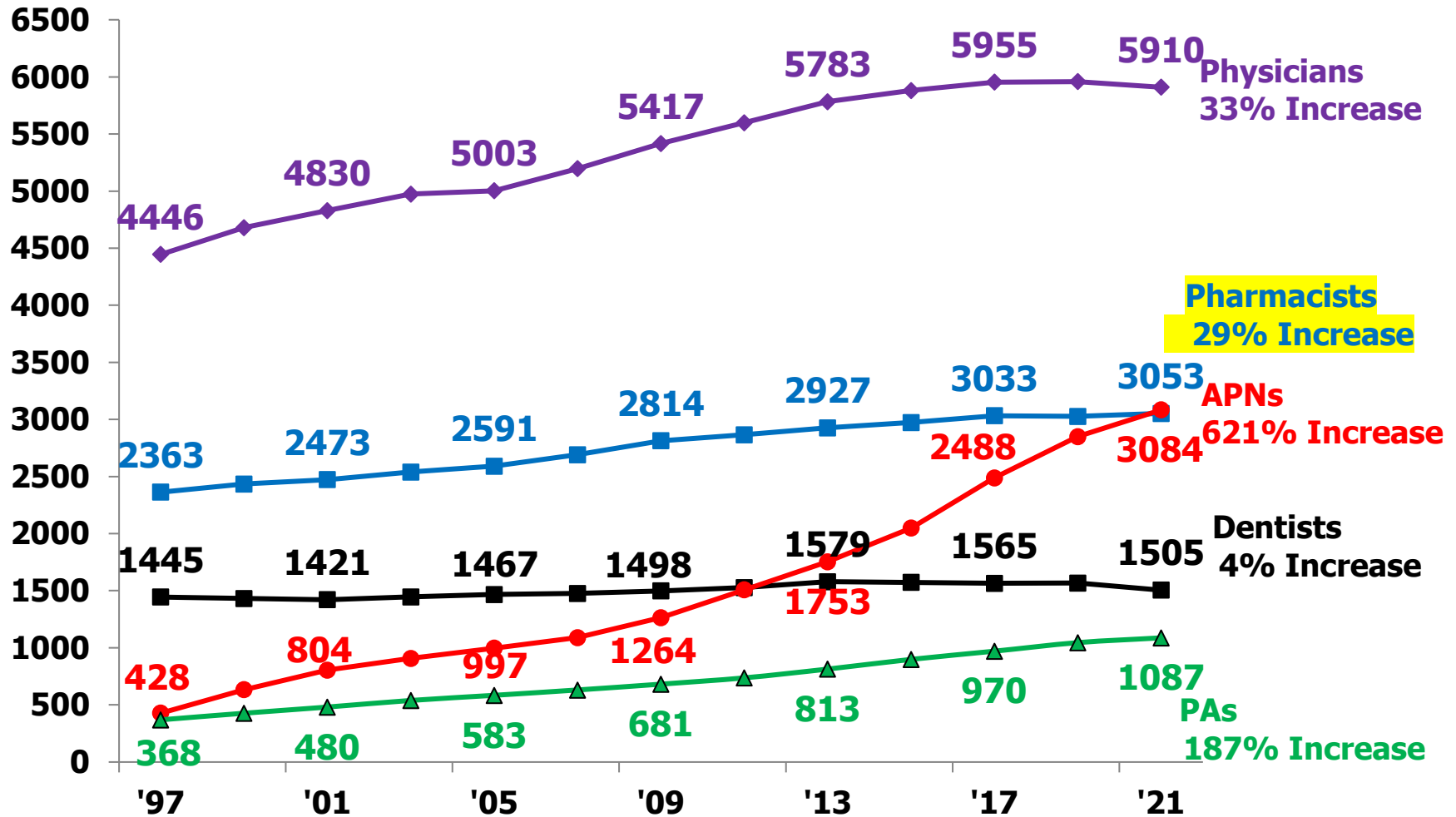
**Nurse Practitioners** **3,084**

**Pharmacists** **3,053**

**Dentists** **1,505**

**Physician Assistants** **1,087**

# IOWA HEALTH PROFESSIONS INVENTORY 1997-2021



# IOWA HEALTH PROFESSIONS INVENTORY

## Composition of Workforce - 2021

### Net Gain/Loss Summary

	<u>Entering</u>	<u>%</u>	<u>Leaving</u>	<u>%</u>	<u>Net</u>	<u>%</u>	<u>Total</u>
Physicians	338	5.7%	314	5.3%	24	0.4%	5,910
Nurse Practitioners	266	8.6%	143	4.6%	123	4.0%	3,084
<b>Pharmacist</b>	<b>200</b>	6.6%	<b>224</b>	7.6%	<b>-24</b>	-0.8%	<b>3,053</b>
Dentists	73	4.9%	92	6.1%	-19	-1.3%	1,505
Physician Assistants	82	7.5%	64	5.8%	18	1.7%	1,087

# IOWA HEALTH PROFESSIONS INVENTORY

## Composition of Workforce – 2021

### Age

	<u>Physicians</u>	<u>Physician Assistants</u>	<u>Dentists</u>	<u>Pharmacists</u>	<u>ARNPs</u>
<40	<b>1436</b> 24%	<b>550</b> 51%	<b>557</b> 37%	<b>1287</b> 42%	<b>1276</b> 41%
40-49	<b>1676</b> 28%	<b>272</b> 25%	<b>358</b> 24%	<b>807</b> 26%	<b>966</b> 31%
50-59	<b>1447</b> 25%	<b>166</b> 15%	<b>256</b> 17%	<b>602</b> 20%	<b>529</b> 17%
≥ 60	<b>1351</b> 23%	<b>99</b> 9%	<b>334</b> 22%	<b>357</b> 12%	<b>313</b> 11%
<b>Total</b>	<b>5910</b>	<b>1087</b>	<b>1505</b>	<b>3053</b>	<b>3084</b>

# IOWA HEALTH PROFESSIONS INVENTORY

## Composition of Workforce - 2021

### Gender

	<u>Male</u>	<u>%</u>	<u>Female</u>	<u>%</u>	<u>Total</u>
Physicians	3,890	66%	2,020	34%	5,910
Physician Assistants	307	28%	780	72%	1,087
Dentists	974	65%	526	35%	1,505
Pharmacists	1,012	33%	2,041	67%	3,053
ARNPs	370	12%	2,714	88%	3,084

# IOWA HEALTH PROFESSIONS INVENTORY

## Composition of Workforce - 2021

### Retirement Summary

	<u>Retired</u>	<u>Percent of All Attrition</u>	<u>Average Age Retirement</u>	<u>All Attrition</u>	<u>Average Age All Attrition</u>
Physicians	112	36%	67	314	53
Pharmacists	72	32%	64	224	51
Dentists	44	48%	66	92	54
Nurse Practitioners	24	17%	62	143	50
Physician Assistants	10	16%	65	64	42



# IOWA HEALTH PROFESSIONS SUPPLY\*

## Rural vs. Urban

### 2021

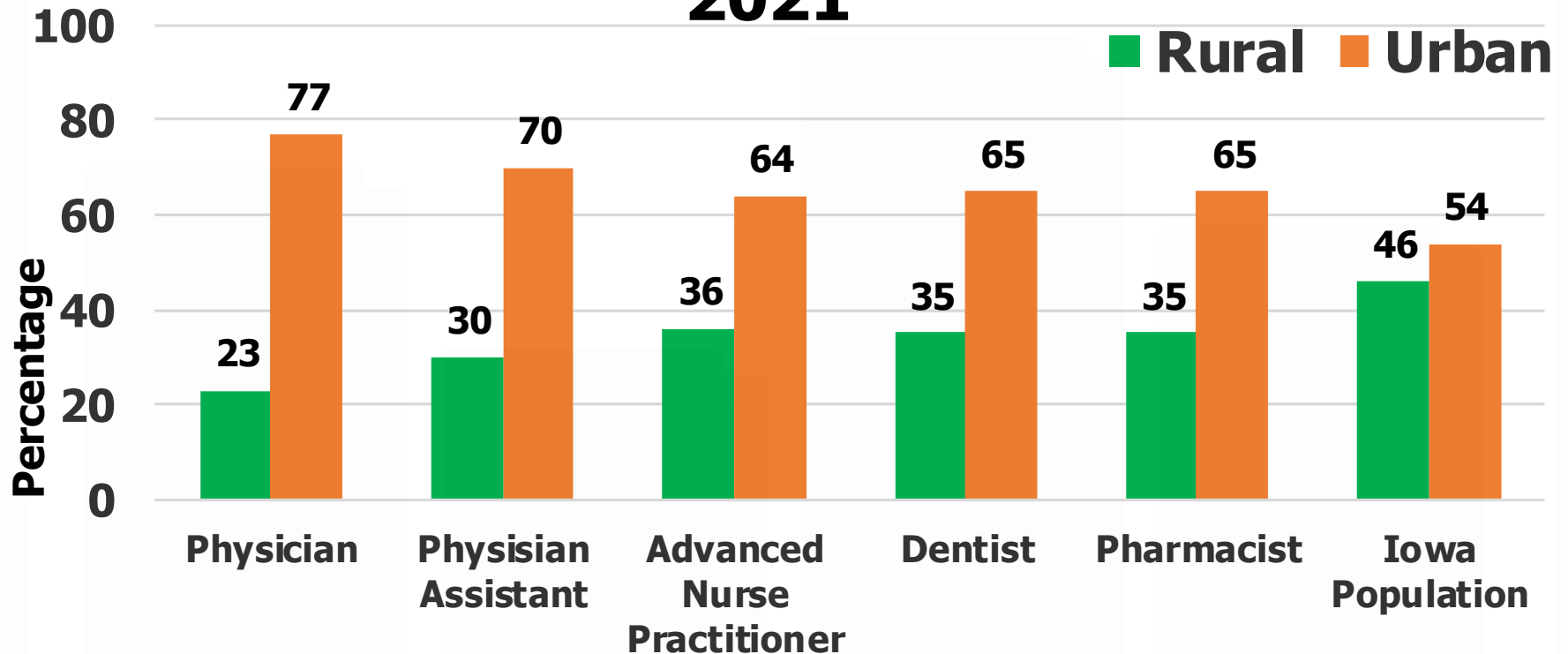
<u>Profession</u>	<u>Rural</u>	<u>%</u>	<u>Urban</u>	<u>%</u>	<u>Total</u>
• Physician	1330	23	4580	77	5910
• Physician Assistant	321	30	766	70	1087
• Advanced Nurse	1116	36	1968	64	3084
• Dentist	519	34	986	66	1505
• <b>Pharmacists</b>	1054	35	1999	65	3053
• IOWA	1,459,510	46	1,730,859	54	3,190,369

\* For year ending 12-31-2021, using 2021 census population estimates

# IOWA HEALTH PROFESSIONS SUPPLY\*

## Rural vs. Urban

### 2021



\* For year ending 12-31-2021, using 2021 census