

Needs Assessment of Long Term Care, North Dakota: 2002

Initial Report and Policy Recommendations

Issued November 2002



North Dakota State Data Center at North Dakota State University, Fargo, ND

Needs Assessment of Long Term Care, North Dakota: 2002

Initial Report and Policy Recommendations

Issued November 2002

A collaboration between the:

North Dakota State Data Center

Dept. of Agribusiness & Applied Economics
North Dakota State University
424 IACC Building, P.O. Box 5636
Fargo, ND 58105
Phone: (701) 231-7980
Fax: (701) 231-9730
URL: <http://www.ndsu.edu/sdc>

AND

Center for Rural Health

University of North Dakota
P.O. Box 9037
Grand Forks, ND 58202-2389
Phone: (701) 777-3848
Fax: (701) 777-2389
URL: <http://www.medicine.nodak.edu/crh>

Forward

This report is part of the 2002 North Dakota Needs Assessment of Long Term Care. The Long Term Care project was funded by a grant through the North Dakota Department of Human Services. The purpose of the project was to assess the current and future long term care needs of residents in North Dakota. This particular report is a summary of the activities contributed by North Dakota State University and the University of North Dakota.

Acknowledgments

We wish to acknowledge the helpful assistance of many individuals from the North Dakota Department of Human Services for their advice and guidance throughout this project. Specifically, we wish to thank David Zentner, Dave Skalsky, Henry Lebak, and Nancy Shantz. In addition, we wish to thank Gary Garland from the Department of Health for his insight and assistance. Equally important, we wish to acknowledge all those who offered their assistance and input during the many surveys, interviews, and meetings that are the heart of this report.

This project was a joint effort based on the sharing of various databases, expertise, and staff time/resources. In particular, we would like to recognize three individuals who graciously devoted their time, energies, and resources to advance this project. The first is Shelly Peterson, President of the North Dakota Long Term Care Association, who provided her assistance and financial support to ensure the completion of the Long Term Care surveys. Her efforts demonstrate that, through partnerships, the state can accomplish much despite tight budgets. Another example of the value and success of partnerships is the support and leadership provided by James Hirsch, Director of the North Dakota Department of Commerce, and Nelse Grundvig of North Dakota Job Services. These two individuals were key in allowing us to utilize a labor market survey conducted as a joint effort by the North Dakota Department of Commerce and various county economic development entities. We were able to dovetail our survey efforts with theirs in order to complete the statewide labor survey while leveraging tight budgets. We express our deep gratitude to these two individuals and to the various counties who jointly sponsored the labor survey. We appreciate their willingness to allow us to use the data, exhibiting their trust in us not to abuse that privilege. We are convinced that partnerships like these are the future of North Dakota.

Contributors

North Dakota State University

North Dakota State Data Center

Dr. Richard Rathge, Professor
Ramona Danielson
Mandy Clemenson
Jordyn Nikle
Steph Noehl
Lindsey Bergeron
Tammy Karlgaard

University of North Dakota

Center for Rural Health

Dr. Richard L. Ludtke, Professor
Lene Vallestad
Kathy Williams

Table of Contents

Executive Summary	1
Recommendations	1
Section I. Current and Future Elderly Population	1
Distribution of Elderly	2
Pre-Retirees	8
Living Arrangements of Elderly; Disability Status of Elderly; Elderly Migration	11
Section II. Elderly Needs Profile: “The North Dakota Survey of Elders”	i
Findings	3
Summary	46
Section III. Availability and Demand for Elderly Services	1
Current Senior Facilities	5
Where North Dakotans Get Their Services	8
Future Demand for Elderly Services	14
Section IV. Survey of Long Term Care (LTC) Administrators: “Recruitment and Retention Perceptions of Long Term Care Administrators”	i
Initial Descriptive Findings	3
Summary and Conclusions	18
Section V. Survey of Long Term Care (LTC) Staff: “Recruitment and Retention Perceptions of Long Term Care Staff”	i
Results	3
Comparison of Responses by Job Type	15
Urban, Rural and Frontier Comparisons	22
Predicting Retention	27
Summary	30
Section VI. Labor Force Issues	1
Current Workforce	5
Current Commuting Patterns	9
Labor Availability	14
Labor Force Commuting	34
Mobility of Labor Force	47

**Section I. Current and Future Elderly Population:
Table of Contents**

Distribution of Elderly **2**

 Figure 1. Persons Ages 65 and Older as a Percent of Total Population in North Dakota
 by County: 2000, 2010, and 2020 3

 Figure 2. Persons Ages 85 and Older as a Percent of Total Population in North Dakota
 by County: 2000, 2010, and 2020 4

 Table 1. Population Ages 65 and Older in North Dakota by County: 2000 Census 5

 Table 2. Projections of Population Ages 65 and Older in North Dakota by County: 2010 6

 Table 3. Projections of Population Ages 65 and Older in North Dakota by County: 2020 7

Pre-Retirees **8**

 Figure 3. Persons Ages 55 to 64 as a Percent of Total Population in North Dakota
 by County: 2000, 2010, and 2020 9

 Table 4. Population Ages 55 to 64 Older in North Dakota by County: 2000, 2010, and 2020 10

Living Arrangements of Elderly **11**

Disability Status of Elderly **11**

Elderly Migration **11**

 Figure 4. Living Arrangements of Persons 65 Years and Older by County in North Dakota: 2000 12

 Table 5. Living Arrangements of Persons 65 Years and Older by County in North Dakota: 2000 13

 Table 6. Population Ages 65 and Older With a Disability by County in North Dakota: 2000 14

 Table 7. Net Domestic Migration by Age by County in North Dakota: 1990-1999 Estimates 15

Distribution of Elderly

- ❑ In 2000, there were 94,478 residents in North Dakota 65 years of age and over. These elderly comprised 14.7 percent of the total population. However, the elderly comprise more than 20 percent of the population base in 27 of the 53 counties in the state.
- ❑ It is expected that by the year 2010, the number of elderly residents in North Dakota will increase by nearly 16,000 persons or 17 percent. This will mean that in less than 10 years 17 percent of the residents in the state will be 65 years of age and over.
- ❑ By the year 2020, the number of North Dakota residents 65 years of age and older will have grown by more than 55,000 persons, or 58 percent, and they will represent nearly 23 percent of the state's population.
- ❑ The distribution of elderly (i.e., 65 years of age and older) varies greatly throughout the state with the highest concentration in the central counties. In less than ten years, nearly half of the state's counties will have more than one in four residents who are elderly.
- ❑ Only 2.3 percent of the state's population, or 14,726 residents, were 85 years of age and over in 2000. Nonetheless, North Dakota currently ranks highest nationally in the proportion of residents 85 years of age and older.
- ❑ It is expected by the year 2020 that the number of North Dakota seniors 85 years and older will nearly double.

Figure 1. Persons Ages 65 and Older as a Percent of Total Population in North Dakota by County: 2000, 2010, and 2020

Source: U.S. Census Bureau, 2000 Census; North Dakota State Data Center.

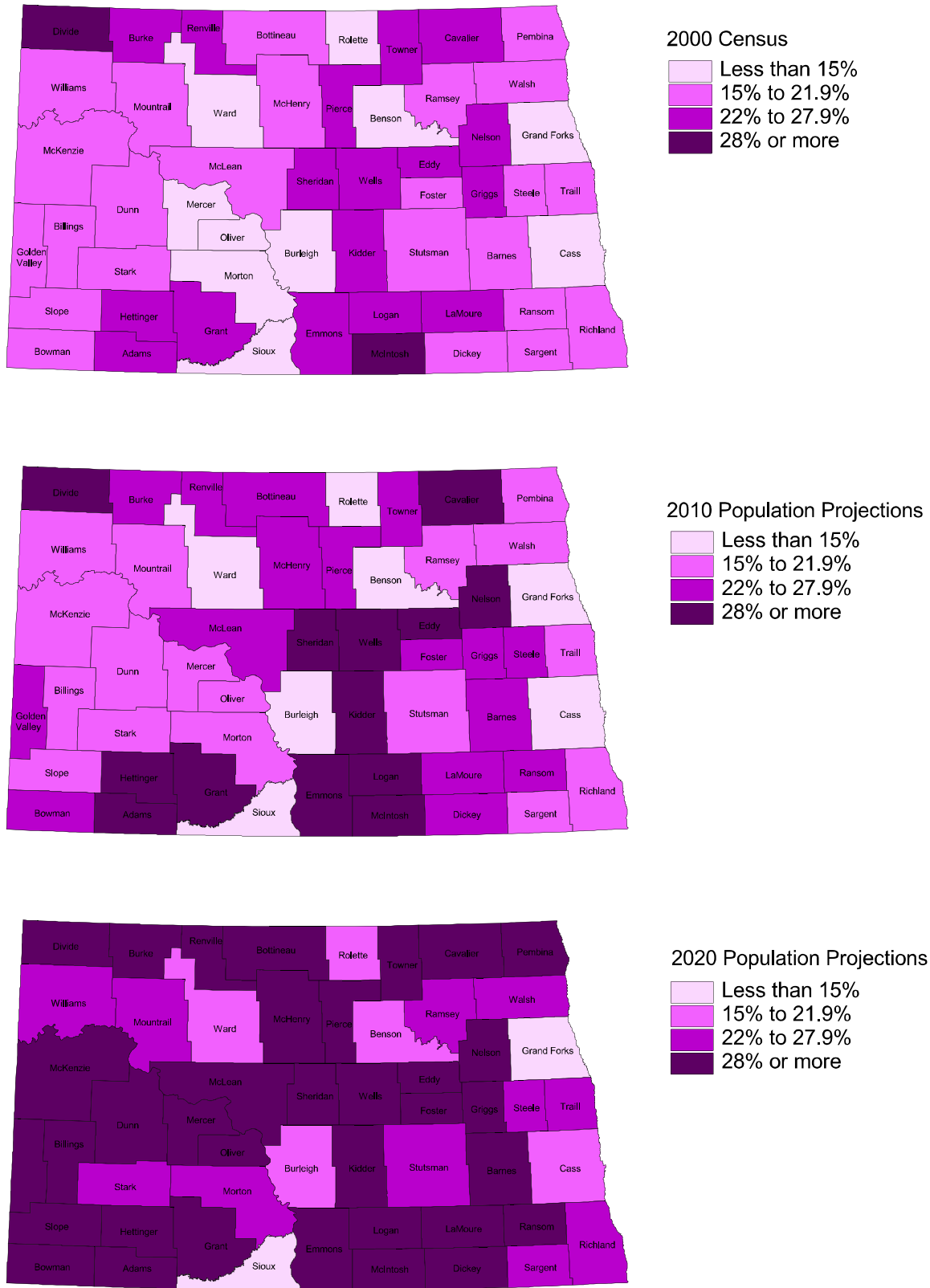


Figure 2. Persons Ages 85 and Older as a Percent of Total Population in North Dakota by County: 2000, 2010, and 2020

Source: U.S. Census Bureau, 2000 Census; North Dakota State Data Center.

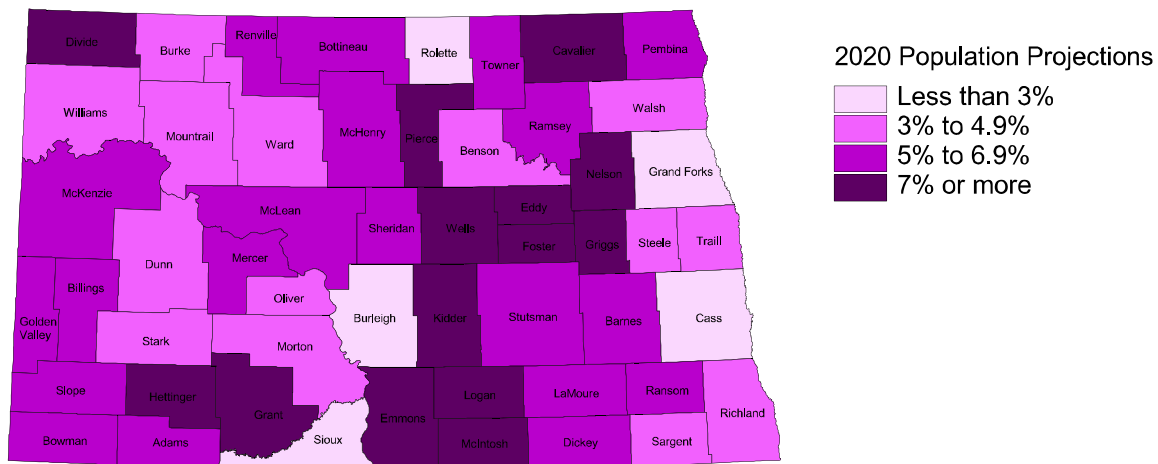
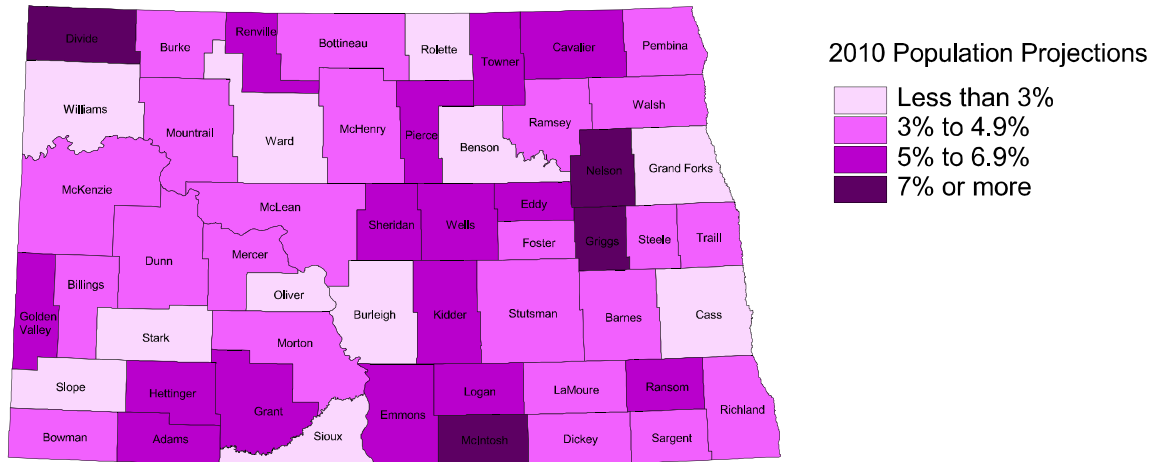
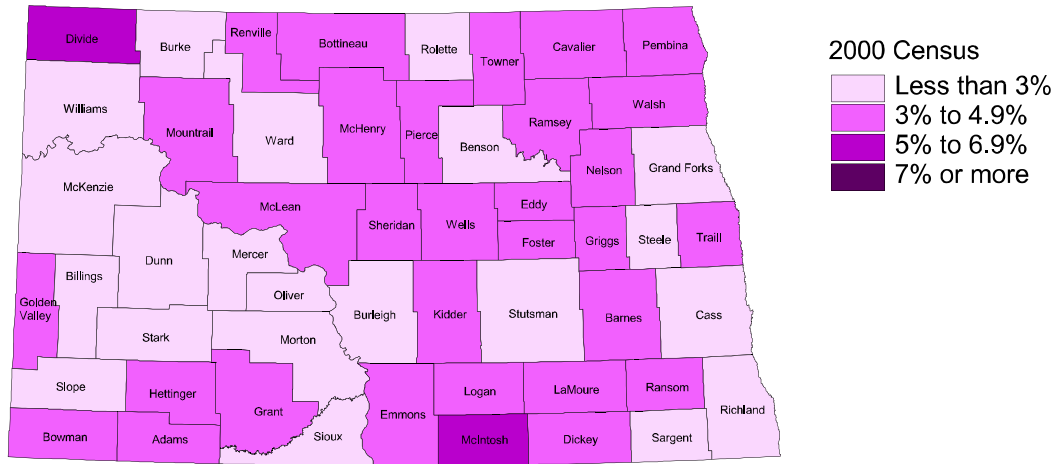


Table 1. Population Ages 65 and Older in North Dakota by County: 2000 Census

County	Total Population	Persons 65 and Older							
		Total	Percent of Total Population	Ages 65-74		Ages 75-84		Ages 85+	
				Number	Percent of Total Population	Number	Percent of Total Population	Number	Percent of Total Population
Adams	2,593	624	24.1	279	10.8	232	8.9	113	4.4
Barnes	11,775	2,332	19.8	1,005	8.5	912	7.7	415	3.5
Benson	6,964	941	13.5	486	7.0	306	4.4	149	2.1
Billings	888	142	16.0	73	8.2	54	6.1	15	1.7
Bottineau	7,149	1,522	21.3	696	9.7	552	7.7	274	3.8
Bowman	3,242	707	21.8	337	10.4	244	7.5	126	3.9
Burke	2,242	562	25.1	300	13.4	197	8.8	65	2.9
Burleigh	69,416	8,640	12.4	4,514	6.5	2,928	4.2	1,198	1.7
Cass	123,138	11,901	9.7	6,054	4.9	4,118	3.3	1,729	1.4
Cavalier	4,831	1,107	22.9	544	11.3	382	7.9	181	3.7
Dickey	5,757	1,229	21.3	536	9.3	453	7.9	240	4.2
Divide	2,283	674	29.5	279	12.2	265	11.6	130	5.7
Dunn	3,600	625	17.4	304	8.4	232	6.4	89	2.5
Eddy	2,757	682	24.7	312	11.3	250	9.1	120	4.4
Emmons	4,331	1,107	25.6	551	12.7	382	8.8	174	4.0
Foster	3,759	803	21.4	408	10.9	280	7.4	115	3.1
Golden Valley	1,924	410	21.3	174	9.0	159	8.3	77	4.0
Grand Forks	66,109	6,368	9.6	3,120	4.7	2,315	3.5	933	1.4
Grant	2,841	703	24.7	329	11.6	239	8.4	135	4.8
Griggs	2,754	708	25.7	301	10.9	276	10.0	131	4.8
Hettinger	2,715	683	25.2	333	12.3	252	9.3	98	3.6
Kidder	2,753	662	24.0	333	12.1	234	8.5	95	3.5
LaMoure	4,701	1,100	23.4	541	11.5	392	8.3	167	3.6
Logan	2,308	623	27.0	313	13.6	219	9.5	91	3.9
McHenry	5,987	1,305	21.8	645	10.8	429	7.2	231	3.9
McIntosh	3,390	1,160	34.2	504	14.9	431	12.7	225	6.6
McKenzie	5,737	900	15.7	422	7.4	350	6.1	128	2.2
McLean	9,311	1,900	20.4	873	9.4	735	7.9	292	3.1
Mercer	8,644	1,233	14.3	597	6.9	455	5.3	181	2.1
Morton	25,303	3,693	14.6	1,917	7.6	1,258	5.0	518	2.0
Mountrail	6,631	1,174	17.7	529	8.0	432	6.5	213	3.2
Nelson	3,715	1,019	27.4	448	12.1	395	10.6	176	4.7
Oliver	2,065	293	14.2	161	7.8	104	5.0	28	1.4
Pembina	8,585	1,674	19.5	789	9.2	617	7.2	268	3.1
Pierce	4,675	1,127	24.1	498	10.7	414	8.9	215	4.6
Ramsey	12,066	2,266	18.8	1,016	8.4	826	6.8	424	3.5
Ransom	5,890	1,250	21.2	576	9.8	446	7.6	228	3.9
Renville	2,610	575	22.0	273	10.5	192	7.4	110	4.2
Richland	17,998	2,746	15.3	1,267	7.0	991	5.5	488	2.7
Rolette	13,674	1,325	9.7	708	5.2	451	3.3	166	1.2
Sargent	4,366	740	16.9	355	8.1	302	6.9	83	1.9
Sheridan	1,710	455	26.6	235	13.7	169	9.9	51	3.0
Sioux	4,044	226	5.6	148	3.7	72	1.8	6	0.1
Slope	767	137	17.9	87	11.3	40	5.2	10	1.3
Stark	22,636	3,510	15.5	1,700	7.5	1,289	5.7	521	2.3
Steele	2,258	442	19.6	243	10.8	158	7.0	41	1.8
Stutsman	21,908	3,862	17.6	1,879	8.6	1,389	6.3	594	2.7
Towner	2,876	670	23.3	281	9.8	256	8.9	133	4.6
Trail	8,477	1,623	19.1	714	8.4	625	7.4	284	3.4
Walsh	12,389	2,390	19.3	1,108	8.9	906	7.3	376	3.0
Ward	58,795	7,341	12.5	3,617	6.2	2,580	4.4	1,144	1.9
Wells	5,102	1,326	26.0	621	12.2	457	9.0	248	4.9
Williams	19,761	3,261	16.5	1,568	7.9	1,209	6.1	484	2.4
Total	642,200	94,478	14.7	45,901	7.1	33,851	5.3	14,726	2.3

Source: U.S. Census Bureau, Summary File 1

Table 2. Projections of Population Ages 65 and Older in North Dakota by County: 2010

County	Total Population	Persons 65 and Older							
		Total	Percent of Total Population	Ages 65-74		Ages 75-84		Ages 85+	
				Number	Percent of Total Population	Number	Percent of Total Population	Number	Percent of Total Population
Adams	2,208	634	28.7	283	12.8	232	10.5	119	5.4
Barnes	11,564	2,673	23.1	1,189	10.3	977	8.4	507	4.4
Benson	7,329	1,078	14.7	495	6.8	396	5.4	187	2.6
Billings	775	153	19.7	70	9.0	50	6.5	33	4.3
Bottineau	6,661	1,718	25.8	757	11.4	644	9.7	317	4.8
Bowman	3,181	761	23.9	277	8.7	336	10.6	148	4.7
Burke	1,908	478	25.1	207	10.8	197	10.3	74	3.9
Burleigh	72,531	9,831	13.6	4,828	6.7	3,672	5.1	1,331	1.8
Cass	137,724	17,464	12.7	8,580	6.2	6,085	4.4	2,799	2.0
Cavalier	4,070	1,148	28.2	504	12.4	433	10.6	211	5.2
Dickey	5,426	1,300	24.0	568	10.5	506	9.3	226	4.2
Divide	1,796	662	36.9	247	13.8	259	14.4	156	8.7
Dunn	3,283	707	21.5	344	10.5	251	7.6	112	3.4
Eddy	2,633	762	28.9	284	10.8	318	12.1	160	6.1
Emmons	4,105	1,275	31.1	491	12.0	544	13.3	240	5.8
Foster	3,557	887	24.9	331	9.3	403	11.3	153	4.3
Golden Valley	1,800	433	24.1	186	10.3	152	8.4	95	5.3
Grand Forks	67,551	7,266	10.8	3,220	4.8	2,772	4.1	1,274	1.9
Grant	2,318	707	30.5	286	12.3	273	11.8	148	6.4
Griggs	2,418	672	27.8	210	8.7	290	12.0	172	7.1
Hettinger	2,228	708	31.8	295	13.2	285	12.8	128	5.7
Kidder	2,385	683	28.6	269	11.3	289	12.1	125	5.2
LaMoure	4,310	1,145	26.6	473	11.0	473	11.0	199	4.6
Logan	2,115	672	31.8	262	12.4	275	13.0	135	6.4
McHenry	5,760	1,446	25.1	650	11.3	559	9.7	237	4.1
McIntosh	3,041	1,217	40.0	414	13.6	532	17.5	271	8.9
McKenzie	5,197	1,118	21.5	513	9.9	418	8.0	187	3.6
McLean	8,820	2,291	26.0	1,034	11.7	822	9.3	435	4.9
Mercer	7,751	1,566	20.2	674	8.7	605	7.8	287	3.7
Morton	27,481	4,725	17.2	2,143	7.8	1,757	6.4	825	3.0
Mountrail	6,518	1,301	20.0	625	9.6	457	7.0	219	3.4
Nelson	3,592	1,166	32.5	435	12.1	474	13.2	257	7.2
Oliver	1,939	342	17.6	169	8.7	127	6.5	46	2.4
Pembina	8,125	1,779	21.9	736	9.1	702	8.6	341	4.2
Pierce	4,579	1,220	26.6	439	9.6	505	11.0	276	6.0
Ramsey	11,447	2,442	21.3	991	8.7	981	8.6	470	4.1
Ransom	5,844	1,454	24.9	548	9.4	613	10.5	293	5.0
Renville	2,352	578	24.6	241	10.2	216	9.2	121	5.1
Richland	17,570	3,028	17.2	1,232	7.0	1,135	6.5	661	3.8
Rolette	13,965	1,911	13.7	1,023	7.3	670	4.8	218	1.6
Sargent	4,230	896	21.2	477	11.3	289	6.8	130	3.1
Sheridan	1,477	455	30.8	196	13.3	179	12.1	80	5.4
Sioux	4,223	310	7.3	203	4.8	89	2.1	18	0.4
Slope	675	143	21.2	64	9.5	62	9.2	17	2.5
Stark	22,270	3,979	17.9	1,784	8.0	1,597	7.2	598	2.7
Steele	2,134	487	22.8	222	10.4	197	9.2	68	3.2
Stutsman	21,278	4,620	21.7	1,935	9.1	1,929	9.1	756	3.6
Towner	2,521	618	24.5	245	9.7	205	8.1	168	6.7
Trail	8,141	1,665	20.5	689	8.5	669	8.2	307	3.8
Walsh	11,239	2,327	20.7	1,045	9.3	888	7.9	394	3.5
Ward	56,728	8,449	14.9	3,877	6.8	3,277	5.8	1,295	2.3
Wells	4,593	1,376	30.0	522	11.4	569	12.4	285	6.2
Williams	17,959	3,503	19.5	1,593	8.9	1,392	7.8	518	2.9
Total	645,325	110,229	17.1	49,375	7.7	42,027	6.5	18,827	2.9

Source: U.S. Census Bureau; North Dakota State Data Center, unpublished data

Table 3. Projections of Population Ages 65 and Older in North Dakota by County: 2020

County	Total Population	Persons 65 and Older							
		Total	Percent of Total Population	Ages 65-74		Ages 75-84		Ages 85+	
				Number	Percent of Total Population	Number	Percent of Total Population	Number	Percent of Total Population
Adams	1,963	729	37.1	344	17.5	253	12.9	132	6.7
Barnes	11,675	3,702	31.7	1,846	15.8	1,270	10.9	586	5.0
Benson	7,835	1,336	17.1	641	8.2	446	5.7	249	3.2
Billings	679	206	30.3	118	17.4	54	8.0	34	5.0
Bottineau	6,202	2,324	37.5	1,170	18.9	773	12.5	381	6.1
Bowman	3,038	874	28.8	362	11.9	305	10.0	207	6.8
Burke	1,686	522	31.0	293	17.4	149	8.8	80	4.7
Burleigh	74,727	14,046	18.8	7,995	10.7	4,315	5.8	1,736	2.3
Cass	151,651	29,878	19.7	17,309	11.4	8,630	5.7	3,939	2.6
Cavalier	3,614	1,291	35.7	590	16.3	444	12.3	257	7.1
Dickey	5,283	1,546	29.3	670	12.7	592	11.2	284	5.4
Divide	1,420	667	47.0	250	17.6	250	17.6	167	11.8
Dunn	2,927	946	32.3	504	17.2	309	10.6	133	4.5
Eddy	2,470	949	38.4	423	17.1	318	12.9	208	8.4
Emmons	3,710	1,414	38.1	545	14.7	532	14.3	337	9.1
Foster	3,216	1,007	31.3	413	12.8	360	11.2	234	7.3
Golden Valley	1,658	526	31.7	248	15.0	178	10.7	100	6.0
Grand Forks	68,238	9,582	14.0	4,879	7.1	3,131	4.6	1,572	2.3
Grant	1,890	745	39.4	314	16.6	258	13.7	173	9.2
Griggs	2,099	708	33.7	308	14.7	218	10.4	182	8.7
Hettinger	1,877	784	41.8	350	18.6	278	14.8	156	8.3
Kidder	1,995	718	36.0	299	15.0	256	12.8	163	8.2
LaMoure	3,898	1,317	33.8	613	15.7	454	11.6	250	6.4
Logan	1,919	659	34.3	230	12.0	253	13.2	176	9.2
McHenry	5,701	1,731	30.4	779	13.7	615	10.8	337	5.9
McIntosh	2,769	1,211	43.7	379	13.7	484	17.5	348	12.6
McKenzie	4,924	1,495	30.4	683	13.9	552	11.2	260	5.3
McLean	8,423	3,210	38.1	1,604	19.0	1,067	12.7	539	6.4
Mercer	7,267	2,154	29.6	997	13.7	747	10.3	410	5.6
Morton	29,521	7,364	24.9	3,951	13.4	2,168	7.3	1,245	4.2
Mountrail	6,503	1,754	27.0	910	14.0	590	9.1	254	3.9
Nelson	3,542	1,359	38.4	562	15.9	501	14.1	296	8.4
Oliver	1,799	508	28.2	303	16.8	147	8.2	58	3.2
Pembina	7,810	2,327	29.8	1,218	15.6	721	9.2	388	5.0
Pierce	4,360	1,350	31.0	535	12.3	489	11.2	326	7.5
Ramsey	10,958	3,048	27.8	1,445	13.2	1,042	9.5	561	5.1
Ransom	5,840	1,877	32.1	837	14.3	638	10.9	402	6.9
Renville	2,266	649	28.6	300	13.2	207	9.1	142	6.3
Richland	17,218	4,020	23.3	2,006	11.7	1,212	7.0	802	4.7
Rolette	14,029	2,955	21.1	1,553	11.1	1,057	7.5	345	2.5
Sargent	4,272	1,106	25.9	546	12.8	430	10.1	130	3.0
Sheridan	1,364	452	33.1	201	14.7	163	12.0	88	6.5
Sioux	4,208	448	10.6	284	6.7	138	3.3	26	0.6
Slope	605	189	31.2	107	17.7	48	7.9	34	5.6
Stark	22,360	5,395	24.1	2,772	12.4	1,848	8.3	775	3.5
Steele	2,074	538	25.9	252	12.2	200	9.6	86	4.1
Stutsman	20,737	5,771	27.8	2,573	12.4	2,164	10.4	1,034	5.0
Towner	2,382	686	28.8	335	14.1	196	8.2	155	6.5
Trail	7,771	2,045	26.3	988	12.7	707	9.1	350	4.5
Walsh	10,336	2,776	26.9	1,449	14.0	916	8.9	411	4.0
Ward	55,809	10,795	19.3	5,205	9.3	3,855	6.9	1,735	3.1
Wells	4,094	1,491	36.4	601	14.7	523	12.8	367	9.0
Williams	16,679	4,386	26.3	2,219	13.3	1,549	9.3	618	3.7
Total	651,291	149,566	23.0	76,308	11.7	49,000	7.5	24,258	3.7

Source: U.S. Census Bureau; North Dakota State Data Center, unpublished data

Pre-Retirees

- ❑ The leading edge of the babyboom population (i.e., those born between 1946 and 1962) is currently entering the pre-retirement years. This means the state needs to prepare itself for a significant elderly growth boom.
- ❑ In 2000, 53,433 North Dakota residents were in the pre-retirement age category (i.e., ages 55-64).
- ❑ The number of pre-retirees in the state is expected to grow by nearly 23,000 people in less than ten years and by 32,250 people within 20 years.
- ❑ The number of pre-retirees in Burleigh County is expected to nearly double by 2020 and in Cass County it is expected to nearly triple.

Figure 3. Persons Ages 55 to 64 as a Percent of Total Population in North Dakota by County: 2000, 2010, and 2020

Source: U.S. Census Bureau, 2000 Census; North Dakota State Data Center.

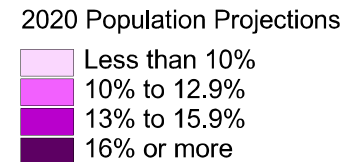
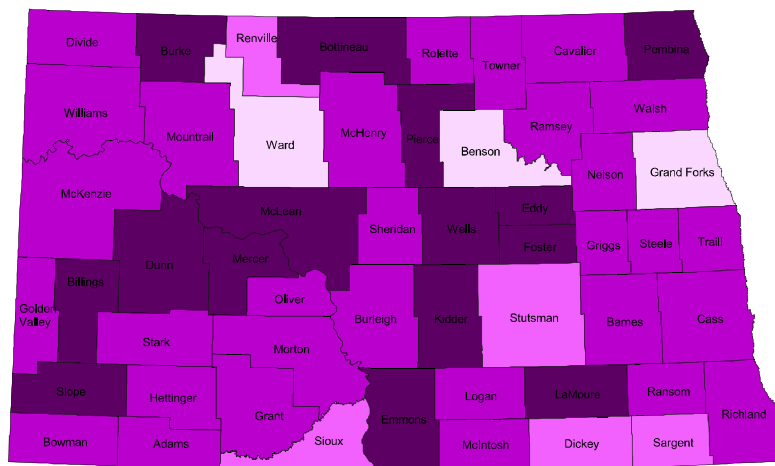
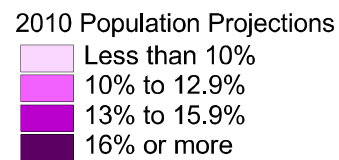
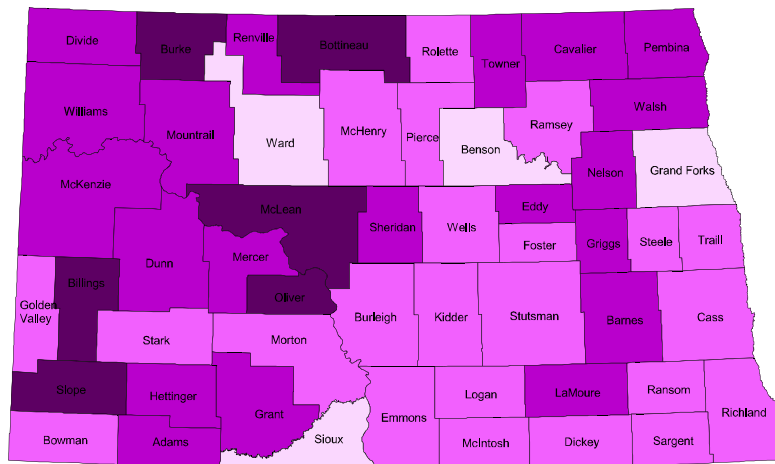
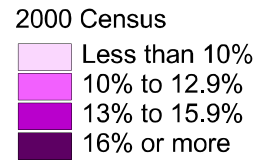
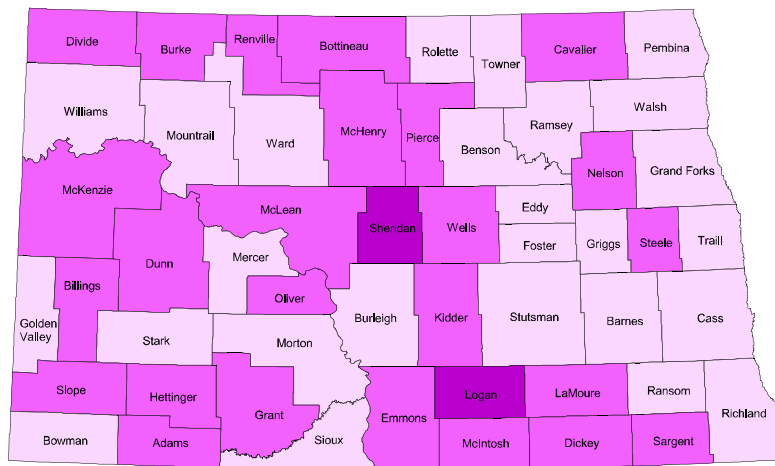


Table 4. Population Ages 55 to 64 in North Dakota by County: 2000, 2010, and 2020

County	2000 Census			Projections					
	Total Population	Ages 55-64		2010			2020		
		Number	Percent of Total Population	Total population	Ages 55-64		Total Population	Ages 55-64	
					Number	Percent of Total Population		Number	Percent of Total Population
Adams	2,593	292	11.3	2,208	325	14.7	1,963	271	13.8
Barnes	11,775	1,152	9.8	11,564	1,629	14.1	11,675	1,627	13.9
Benson	6,964	575	8.3	7,329	677	9.2	7,835	751	9.6
Billings	888	92	10.4	775	134	17.3	679	143	21.1
Bottineau	7,149	765	10.7	6,661	1,078	16.2	6,202	1,088	17.5
Bowman	3,242	318	9.8	3,181	382	12.0	3,038	457	15.0
Burke	2,242	261	11.6	1,908	344	18.0	1,686	294	17.4
Burleigh	69,416	5,714	8.2	72,531	8,630	11.9	74,727	10,831	14.5
Cass	123,138	8,214	6.7	137,724	16,591	12.0	151,651	20,114	13.3
Cavalier	4,831	585	12.1	4,070	625	15.4	3,614	542	15.0
Dickey	5,757	579	10.1	5,426	624	11.5	5,283	630	11.9
Divide	2,283	271	11.9	1,796	249	13.9	1,420	226	15.9
Dunn	3,600	381	10.6	3,283	508	15.5	2,927	493	16.8
Eddy	2,757	265	9.6	2,633	365	13.9	2,470	454	18.4
Emmons	4,331	493	11.4	4,105	502	12.2	3,710	631	17.0
Foster	3,759	346	9.2	3,557	395	11.1	3,216	568	17.7
Golden Valley	1,924	187	9.7	1,800	228	12.7	1,658	264	15.9
Grand Forks	66,109	4,235	6.4	67,551	5,853	8.7	68,238	6,031	8.8
Grant	2,841	344	12.1	2,318	345	14.9	1,890	261	13.8
Griggs	2,754	262	9.5	2,418	350	14.5	2,099	310	14.8
Hettinger	2,715	323	11.9	2,228	346	15.5	1,877	287	15.3
Kidder	2,753	299	10.9	2,385	307	12.9	1,995	343	17.2
LaMoure	4,701	504	10.7	4,310	605	14.0	3,898	738	18.9
Logan	2,308	308	13.3	2,115	245	11.6	1,919	252	13.1
McHenry	5,987	645	10.8	5,760	707	12.3	5,701	763	13.4
McIntosh	3,390	400	11.8	3,041	335	11.0	2,769	376	13.6
McKenzie	5,737	574	10.0	5,197	692	13.3	4,924	662	13.4
McLean	9,311	1,069	11.5	8,820	1,507	17.1	8,423	1,441	17.1
Mercer	8,644	764	8.8	7,751	1,025	13.2	7,267	1,180	16.2
Morton	25,303	2,093	8.3	27,481	3,515	12.8	29,521	4,704	15.9
Mountrail	6,631	646	9.7	6,518	859	13.2	6,503	881	13.5
Nelson	3,715	433	11.7	3,592	515	14.3	3,542	516	14.6
Oliver	2,065	214	10.4	1,939	354	18.3	1,799	283	15.7
Pembina	8,585	809	9.4	8,125	1,218	15.0	7,810	1,288	16.5
Pierce	4,675	477	10.2	4,579	533	11.6	4,360	723	16.6
Ramsey	12,066	1,099	9.1	11,447	1,458	12.7	10,958	1,664	15.2
Ransom	5,890	540	9.2	5,844	754	12.9	5,840	817	14.0
Renville	2,610	274	10.5	2,352	312	13.3	2,266	285	12.6
Richland	17,998	1,373	7.6	17,570	2,039	11.6	17,218	2,473	14.4
Rolette	13,674	1,040	7.6	13,965	1,437	10.3	14,029	2,017	14.4
Sargent	4,366	480	11.0	4,230	503	11.9	4,272	484	11.3
Sheridan	1,710	231	13.5	1,477	216	14.6	1,364	192	14.1
Sioux	4,044	259	6.4	4,223	328	7.8	4,208	430	10.2
Slope	767	77	10.0	675	111	16.4	605	113	18.7
Stark	22,636	1,886	8.3	22,270	2,667	12.0	22,360	2,943	13.2
Steele	2,258	255	11.3	2,134	265	12.4	2,074	290	14.0
Stutsman	21,908	1,997	9.1	21,278	2,411	11.3	20,737	2,582	12.5
Towner	2,876	286	9.9	2,521	357	14.2	2,382	373	15.7
Trail	8,477	749	8.8	8,141	981	12.1	7,771	1,185	15.2
Walsh	12,389	1,212	9.8	11,239	1,529	13.6	10,336	1,527	14.8
Ward	58,795	4,375	7.4	56,728	5,343	9.4	55,809	4,814	8.6
Wells	5,102	569	11.2	4,593	593	12.9	4,094	750	18.3
Williams	19,761	1,842	9.3	17,959	2,344	13.1	16,679	2,321	13.9
Total	642,200	53,433	8.3	645,325	76,245	11.8	651,291	85,683	13.2

Source: U.S. Census Bureau; North Dakota State Data Center, unpublished data

Living Arrangements of Elderly

- ❑ Data from the 2000 Census indicate that one-third of non-family households in North Dakota were elderly (i.e., having a householder age 65 and older).
- ❑ Nearly half of elderly householders in the state live alone.
- ❑ Slightly more than 8 percent of the elderly in North Dakota live in group quarters. Distribution of the state's elderly population in group quarters varies greatly by county.

Disability Status of Elderly

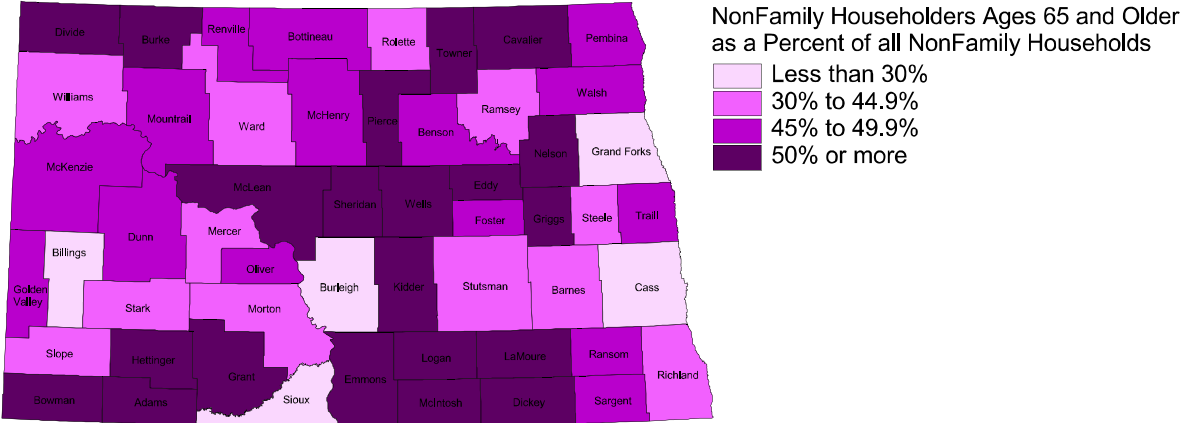
- ❑ More than one in three civilian non-institutionalized elderly in North Dakota have a disability.
- ❑ The highest proportions of elderly disabilities in the state are in the counties with Native American reservations. For example, in Rolette and Sioux counties, more than half of the civilian non-institutionalized elderly are disabled.

Elderly Migration

- ❑ During the past decade, North Dakota had a net domestic out-migration of residents under the age of 65 but a net domestic in-migration of elderly (i.e., residents 65 years of age and older).
- ❑ Net domestic in-migration of elderly generally occurred in the North Dakota counties with larger urban centers.

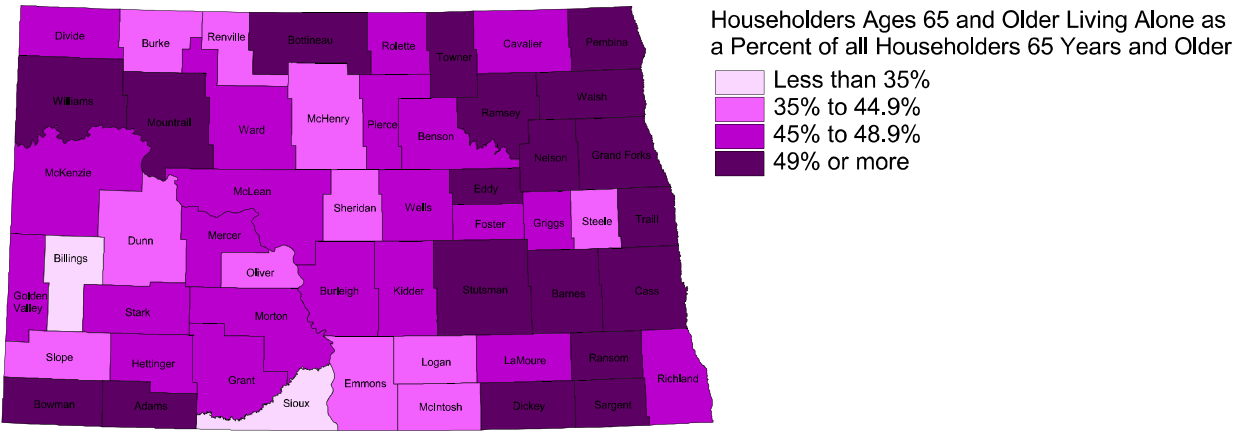
Figure 4. Living Arrangements of Persons 65 Years and Older by County in North Dakota: 2000

Source: U.S. Census Bureau, 2000 Census.



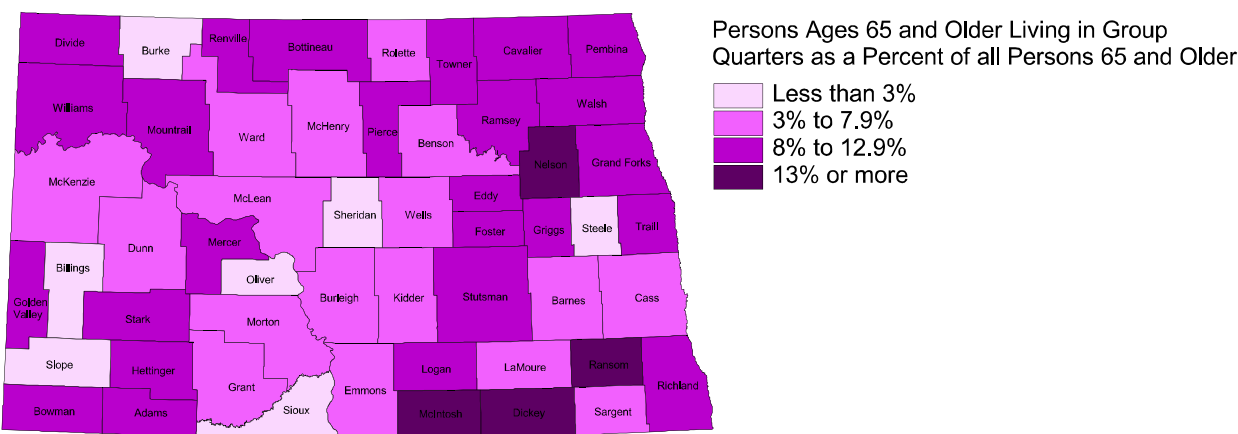
NonFamily Householders Ages 65 and Older as a Percent of all NonFamily Householders

- Less than 30%
- 30% to 44.9%
- 45% to 49.9%
- 50% or more



Householders Ages 65 and Older Living Alone as a Percent of all Householders 65 Years and Older

- Less than 35%
- 35% to 44.9%
- 45% to 48.9%
- 49% or more



Persons Ages 65 and Older Living in Group Quarters as a Percent of all Persons 65 and Older

- Less than 3%
- 3% to 7.9%
- 8% to 12.9%
- 13% or more

Table 5. Living Arrangements of Persons 65 Years and Older by County in North Dakota: 2000

County	Non-Family Households			Householders 65 and Older			Persons 65 and Older		
	Total	Householder 65 and Older		Total	Non-Family Householders Living Alone		Total	Living in Group Quarters	
		Number	Percent		Number	Percent		Number	Percent
Adams	396	206	52.0	401	201	50.1	624	69	11.1
Barnes	1,766	789	44.7	1,545	778	50.4	2,332	168	7.2
Benson	627	296	47.2	631	290	46.0	941	44	4.7
Billings	110	29	26.4	95	28	29.5	142	0	0.0
Bottineau	1,008	491	48.7	982	485	49.4	1,522	126	8.3
Bowman	467	238	51.0	456	234	51.3	707	81	11.5
Burke	332	182	54.8	396	178	44.9	562	0	0.0
Burleigh	9,472	2,693	28.4	5,586	2,627	47.0	8,640	642	7.4
Cass	21,490	4,026	18.7	7,872	3,917	49.8	11,901	803	6.7
Cavalier	656	349	53.2	715	342	47.8	1,107	114	10.3
Dickey	783	409	52.2	758	401	52.9	1,229	171	13.9
Divide	356	204	57.3	414	200	48.3	674	87	12.9
Dunn	391	176	45.0	409	169	41.3	625	49	7.8
Eddy	420	241	57.4	438	238	54.3	682	71	10.4
Emmons	545	297	54.5	699	293	41.9	1,107	81	7.3
Foster	508	252	49.6	520	247	47.5	803	76	9.5
Golden Valley	254	121	47.6	253	120	47.4	410	38	9.3
Grand Forks	9,812	2,157	22.0	4,181	2,089	50.0	6,368	508	8.0
Grant	394	216	54.8	453	214	47.2	703	53	7.5
Griggs	397	222	55.9	454	219	48.2	708	57	8.1
Hettinger	373	212	56.8	439	210	47.8	683	58	8.5
Kidder	370	212	57.3	443	205	46.3	662	40	6.0
LaMoure	634	326	51.4	713	323	45.3	1,100	68	6.2
Logan	303	160	52.8	375	154	41.1	623	62	10.0
McHenry	825	406	49.2	869	389	44.8	1,305	58	4.4
McIntosh	492	300	61.0	675	292	43.3	1,160	170	14.7
McKenzie	602	286	47.5	609	282	46.3	900	56	6.2
McLean	1,104	568	51.4	1,203	546	45.4	1,900	147	7.7
Mercer	901	380	42.2	794	370	46.6	1,233	108	8.8
Morton	2,958	1,099	37.2	2,365	1,082	45.8	3,693	278	7.5
Mountrail	807	380	47.1	746	374	50.1	1,174	141	12.0
Nelson	623	361	57.9	659	356	54.0	1,019	134	13.2
Oliver	187	88	47.1	206	85	41.3	293	0	0.0
Pembina	1,170	559	47.8	1,109	554	50.0	1,674	136	8.1
Pierce	687	345	50.2	695	336	48.3	1,127	122	10.8
Ramsey	1,770	739	41.8	1,440	724	50.3	2,266	253	11.2
Ransom	790	373	47.2	729	364	49.9	1,250	222	17.8
Renville	336	161	47.9	359	160	44.6	575	57	9.9
Richland	2,458	819	33.3	1,695	801	47.3	2,746	322	11.7
Rolette	1,189	452	38.0	913	435	47.6	1,325	79	6.0
Sargent	543	256	47.1	503	252	50.1	740	23	3.1
Sheridan	216	127	58.8	294	122	41.5	455	13	2.9
Sioux	223	52	23.3	152	48	31.6	226	5	2.2
Slope	90	35	38.9	94	33	35.1	137	0	0.0
Stark	3,058	1,088	35.6	2,242	1,067	47.6	3,510	298	8.5
Steele	288	123	42.7	299	121	40.5	442	0	0.0
Stutsman	3,306	1,341	40.6	2,533	1,308	51.6	3,862	336	8.7
Towner	432	228	52.8	429	228	53.1	670	66	9.9
Traill	1,109	513	46.3	1,012	503	49.7	1,623	192	11.8
Walsh	1,708	773	45.3	1,552	763	49.2	2,390	200	8.4
Ward	7,671	2,330	30.4	4,747	2,262	47.7	7,341	555	7.6
Wells	761	419	55.1	861	411	47.7	1,326	103	7.8
Williams	2,834	1,082	38.2	2,149	1,057	49.2	3,261	292	9.0
Total	91,002	30,187	33.2	61,161	29,487	48.2	94,478	7,832	8.3

Source: U.S. Census Bureau, Summary File 1

Table 6. Population Ages 65 and Older With a Disability by County in North Dakota: 2000

County	Total Persons 65 and Older			
	Total	Civilian Noninstitutionalized Persons 65 and Older		
		Total	With a Disability	
			Number	Percent
Adams	624	548	196	35.8
Barnes	2,332	2,134	699	32.8
Benson	941	920	356	38.7
Billings	142	141	35	24.8
Bottineau	1,522	1,398	516	36.9
Bowman	707	632	213	33.7
Burke	562	556	170	30.6
Burleigh	8,640	7,996	3,221	40.3
Cass	11,901	11,176	4,125	36.9
Cavalier	1,107	1,057	340	32.2
Dickey	1,229	1,071	401	37.4
Divide	674	587	194	33.0
Dunn	625	570	243	42.6
Eddy	682	609	207	34.0
Emmons	1,107	1,037	448	43.2
Foster	803	715	277	38.7
Golden Valley	410	362	142	39.2
Grand Forks	6,368	5,875	2,114	36.0
Grant	703	642	238	37.1
Griggs	708	649	232	35.7
Hettinger	683	634	248	39.1
Kidder	662	630	267	42.4
LaMoure	1,100	1,032	398	38.6
Logan	623	600	282	47.0
McHenry	1,305	1,252	529	42.3
McIntosh	1,160	1,008	420	41.7
McKenzie	900	848	365	43.0
McLean	1,900	1,738	684	39.4
Mercer	1,233	1,141	498	43.6
Morton	3,693	3,436	1,498	43.6
Mountrail	1,174	1,019	454	44.6
Nelson	1,019	893	339	38.0
Oliver	293	302	106	35.1
Pembina	1,674	1,529	509	33.3
Pierce	1,127	1,013	375	37.0
Ramsey	2,266	2,049	763	37.2
Ransom	1,250	1,026	452	44.1
Renville	575	514	171	33.3
Richland	2,746	2,470	885	35.8
Rolette	1,325	1,274	638	50.1
Sargent	740	718	262	36.5
Sheridan	455	459	185	40.3
Sioux	226	236	134	56.8
Slope	137	137	38	27.7
Stark	3,510	3,224	1,296	40.2
Steele	442	443	148	33.4
Stutsman	3,862	3,504	1,330	38.0
Towner	670	611	227	37.2
Trail	1,623	1,487	502	33.8
Walsh	2,390	2,226	838	37.6
Ward	7,341	6,880	2,715	39.5
Wells	1,326	1,232	454	36.9
Williams	3,261	3,121	1,224	39.2
Total	94,478	87,361	33,601	38.5

Source: U.S. Census Bureau, Census 2000 Summary File 1

Table 7. Net Domestic Migration by Age by County in North Dakota: 1990-1999 Estimates

County	Net Domestic Migration (Persons): 1990-1999	
	Less than Age 65	Age 65 and Older
Adams	-388	9
Barnes	-432	7
Benson	-613	-262
Billings	-56	-50
Bottineau	-446	29
Bowman	-255	3
Burke	-447	-216
Burleigh	1,745	1,038
Cass	3,564	700
Cavalier	-906	-129
Dickey	-392	86
Divide	-309	-46
Dunn	-469	-90
Eddy	24	-19
Emmons	-390	-72
Foster	-201	107
Golden Valley	-293	-68
Grand Forks	-14,069	28
Grant	-452	-153
Griggs	-289	-53
Hettinger	-473	-14
Kidder	-415	-33
LaMoure	-418	-94
Logan	-302	-183
McHenry	-289	-99
McIntosh	-256	49
McKenzie	-1,027	-39
McLean	-613	22
Mercer	-936	30
Morton	139	34
Mountrail	-521	-23
Nelson	-292	-22
Oliver	-203	-43
Pembina	-685	-54
Pierce	-258	-55
Ramsey	-939	102
Ransom	-67	116
Renville	-225	-41
Richland	-732	-156
Rolette	-213	37
Sargent	-205	-99
Sheridan	-187	-247
Sioux	-211	-43
Slope	-10	-66
Stark	-1,638	265
Steele	-129	-65
Stutsman	-1,289	-177
Towner	-464	-71
Traill	23	23
Walsh	-1,109	0
Ward	-6,732	435
Wells	-358	-5
Williams	-1,972	235
Total	-38,073	564

Source: U.S. Census Bureau, Population Estimates Branch, November 1999