

Components of Population Change in North Dakota: July 1, 2004 to July 1, 2005

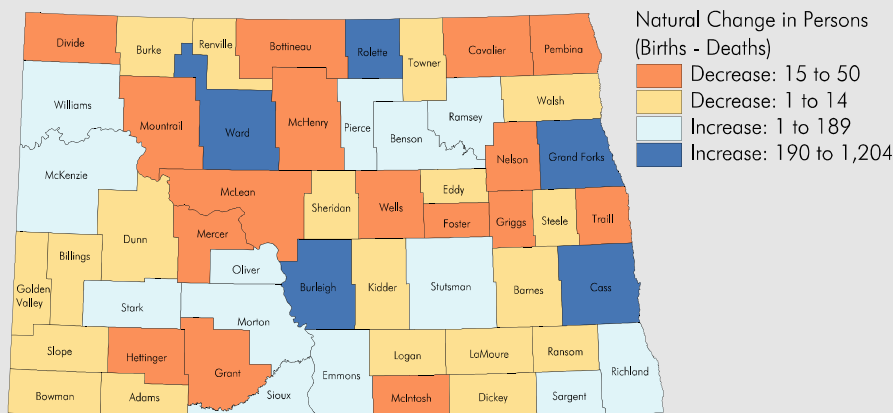
According to the U.S. Census Bureau, current population estimates indicate that North Dakota's population grew to 636,677 in 2005, an increase of 369 people from the year before (Table 1). Though considerably smaller than the increase that took place between 2003 and 2004 (3,257 people), the July 1, 2005 population estimate reflects the second consecutive annual increase in North Dakota's population since Census 2000.

Population change is comprised of three components: births, deaths, and migration. The total number of births for a time period minus the number of deaths equals "natural change." Migration, which includes international and domestic movement, refers to people moving into and away from an area. Between 2004 and 2005, North Dakota experienced 2,562 more births than deaths, or a "natural increase." During this same period of time, 2,205 more residents moved away from North Dakota than moved into the state, thus resulting in net outmigration (Table 1). When net migration (-2,205) and natural change (+2,562) are combined,

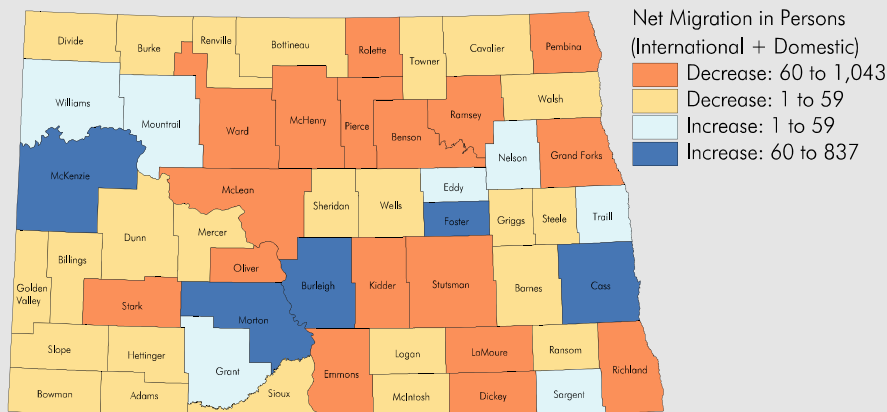
the result is an overall population gain of 357 people. The reason this number is slightly lower than the 369 total gain reported by the Census Bureau is because a national population control must be applied to state and county population estimates in order to align them to the national estimate.

Figure 1. Components of Population Change in North Dakota by County: July 1, 2004 to July 1, 2005

Source: Table 5 - CO-EST2005-05-38 - Annual Estimates of the Components of Population Change for Counties of North Dakota: July 1, 2004 to July 1, 2005; Population Division, U.S. Census Bureau. Release Date: March 16, 2006, www.census.gov/popest/counties/tables/CO-EST2005-05-38.xls



North Dakota's net outmigration was largely the result of domestic movement. Between 2004 and 2005, the state experienced net domestic outmigration of 2,908 people. At the same time, the state reported net international immigration of 703 people. Overall, net immigration was experienced in 12 of 53 North Dakota counties (Table 1).



Natural increase was experienced in one-third of North Dakota counties between 2004 and 2005 (18 of 53 counties) (Figure 1). Of these 18 natural increase counties, nine had net outmigration that exceeded the growth from natural increase. In addition, two counties with natural decline had net immigration that exceeded the loss from natural decline. As a result, 11 counties had an increase in total population between 2004 and 2005 (Table 1).

For population estimates or components of change data for other states and counties and for more information on terms, definitions, and methodology, visit the Population Estimates Division of the U.S. Census Bureau at: www.census.gov/popest/estimates.php.

Table 1. Components of Population Change in North Dakota by County: July 1, 2004 to July 1, 2005

Note: The estimated components of population change, when added together, will not equal the total population change because of a small residual after controlling to the national totals. *The residual results from the application of a national population control to state and county population estimates. The residual is the difference in state and county population before and after the application of the control. The residual is not a demographic component of population change. Source: Table 5 - CO-EST2005-05-38 - Annual Estimates of the Components of Population Change for Counties of North Dakota: July 1, 2004 to July 1, 2005; Population Division, U.S. Census Bureau. Release Date: March 16, 2006, www.census.gov/popest/counties/tables/CO-EST2005-05-38.xls

Area	Total Population Change	Natural Change			Migration			Residual *
		Net (Births - Deaths)	Births	Deaths	Net (International + Domestic)	International	Domestic	
North Dakota	369	2,562	8,068	5,506	-2,205	703	-2,908	12
Adams	-17	-14	16	30	-2	0	-2	-1
Barnes	-39	-2	112	114	-37	7	-44	0
Benson	1	70	139	69	-69	0	-69	0
Billings	-13	-2	4	6	-10	1	-11	-1
Bottineau	-52	-46	52	98	-8	7	-15	2
Bowman	-43	-8	28	36	-34	0	-34	-1
Burke	-45	-12	14	26	-32	0	-32	-1
Burleigh	1,255	410	899	489	837	35	802	8
Cass	1,436	1,204	1,961	757	203	290	-87	29
Cavalier	-63	-22	28	50	-41	4	-45	0
Dickey	-83	-9	84	93	-73	1	-74	-1
Divide	-44	-22	14	36	-22	0	-22	0
Dunn	-13	-7	30	37	-7	0	-7	1
Eddy	9	-2	32	34	10	0	10	1
Emmons	-85	6	41	35	-88	0	-88	-3
Foster	53	-17	42	59	74	2	72	-4
Golden Valley	-25	-1	13	14	-23	0	-23	-1
Grand Forks	-74	467	873	406	-546	164	-710	5
Grant	-10	-19	14	33	8	0	8	1
Griggs	-30	-18	20	38	-12	0	-12	0
Hettinger	-51	-23	12	35	-25	0	-25	-3
Kidder	-79	-9	20	29	-66	0	-66	-4
LaMoure	-106	-11	44	55	-94	0	-94	-1
Logan	-40	-8	20	28	-30	0	-30	-2
McHenry	-93	-25	66	91	-66	0	-66	-2
McIntosh	-83	-42	14	56	-37	0	-37	-4
McKenzie	87	2	56	54	86	4	82	-1
McLean	-195	-50	72	122	-142	0	-142	-3
Mercer	-46	-19	73	92	-27	4	-31	0
Morton	206	89	316	227	109	9	100	8
Mountrail	-13	-29	90	119	16	0	16	0
Nelson	-15	-33	16	49	18	0	18	0
Oliver	-60	8	20	12	-64	0	-64	-4
Pembina	-139	-15	52	67	-123	1	-124	-1
Pierce	-65	13	54	41	-77	1	-78	-1
Ramsey	-34	29	141	112	-65	8	-73	2
Ransom	-12	-6	69	75	-7	1	-8	1
Renville	-34	-5	20	25	-26	1	-27	-3
Richland	-98	55	210	155	-156	6	-162	3
Rolette	48	193	294	101	-146	5	-151	1
Sargent	29	3	42	39	24	0	24	2
Sheridan	-31	-9	8	17	-19	0	-19	-3
Sioux	44	76	119	43	-34	0	-34	2
Slope	-18	-3	2	5	-14	0	-14	-1
Stark	-68	51	234	183	-119	13	-132	0
Steele	-54	-9	10	19	-41	0	-41	-4
Stutsman	-95	49	208	159	-139	9	-148	-5
Towner	-37	-9	24	33	-29	0	-29	1
Traill	-5	-34	89	123	28	1	27	1
Walsh	-11	-3	134	137	-9	2	-11	1
Ward	-662	386	869	483	-1,043	120	-1,163	-5
Wells	-57	-24	38	62	-33	0	-3	0
Williams	38	18	216	198	17	7	10	3

Date of Release: May 4, 2006

North Dakota's Population Sees Slight Growth Despite Net Outmigration

North Dakota experienced an overall net outmigration of 2,205 people between 2004 and 2005. During the same time, the state experienced 2,562 more births than deaths (a natural increase). Because North Dakota's natural increase was larger than net outmigration, the overall population for the state increased by 369 people between 2004 and 2005.

This month's "Population Bulletin," a monthly publication from the North Dakota State Data Center at North Dakota State University, focuses on components of North Dakota's population change (births, deaths, and migration) between July 1, 2004 and July 1, 2005 as released from the U.S. Census Bureau's Population Division. As of July 1, 2005, the state's population totaled 636,677, an increase of 369 people since July 1, 2004 (636,308 people).

Migration statistics are comprised of domestic and international (foreign) movement. North Dakota's net outmigration of 2,205 people between 2004 and 2005 was largely the result of domestic movement. During this time, the state experienced net domestic outmigration of 2,908 people leaving North Dakota for another state. At the same time, the state experienced a net international immigration of 703 people. The difference between domestic and foreign movement resulted in a net loss of 2,205 North Dakota residents due to migration alone. Between 2000 and 2004, North Dakota's net outmigration declined annually, indicating a reduction in net loss. "The 2004-2005 level of net outmigration from the state is a reversal from this trend in net loss that started in 2000. Hopefully, the recent increase in net outmigration isn't signaling an end to the trend of decreasing net outmigration in North Dakota," said Richard Rathge, Director of the State Data Center.

Population change is also affected by natural change (births minus deaths). Between 2004 and 2005, North Dakota reported 8,068 births and 5,506 deaths. The difference between births and deaths resulted in a natural increase of 2,562 residents. When net migration (-2,205) and natural change (+2,562) are combined, the result is an overall population gain of 357 people. The reason this number (357) is slightly lower than the 369 total gain reported by the Census Bureau is because a national population control must be applied to state and county population estimates in order to align them to the national estimate. "Think of it as an attempt to control for rounding at the national level," said Rathge.

Natural increase was experienced in one-third of North Dakota counties between 2004 and 2005 (18 of 53 counties). Of these 18 natural increase counties, nine had net outmigration that exceeded the growth from natural increase. In addition, two counties with natural decline had net immigration that exceeded the loss from natural decline. As a result, 11 counties reported an increase in population between 2004 and 2005.

<p>North Dakota State Data Center North Dakota State University IACC Building, Room 424 or PO Box 5636 Fargo, North Dakota 58105-5636 Ph: (701) 231-7980 Fax: (701) 231-9730</p>	<p>For more information, contact:</p> <table border="0"> <tr> <td> <p>Dr. Richard Rathge, Director (701) 231-8621 richard.rathge@ndsu.edu</p> </td> <td> <p>Karen Olson, Information Specialist (701) 231-1060 k.olson@ndsu.edu</p> </td> </tr> </table>		<p>Dr. Richard Rathge, Director (701) 231-8621 richard.rathge@ndsu.edu</p>	<p>Karen Olson, Information Specialist (701) 231-1060 k.olson@ndsu.edu</p>	<p>View publication online at: www.ndsu.edu/sdc/publications.htm</p>
<p>Dr. Richard Rathge, Director (701) 231-8621 richard.rathge@ndsu.edu</p>	<p>Karen Olson, Information Specialist (701) 231-1060 k.olson@ndsu.edu</p>				