

Enrollment in Minnesota WIC by Mothers of Infants Born in Minnesota by Birth Order and County, CY 2019

Minnesota WIC Information System

Birth Order ¹ by County	Minnesota Births			Infants enrolled in WIC: Mother Enrolled		
	Total infants ²	Infants not enrolled in WIC ³	Infants enrolled in WIC ⁴	Postpartum /infant only ⁵	< 3 months of pregnancy ⁶	3 or more months of pregnancy ⁷
MINNESOTA						
Total	63,757	39,096 (61.3)	24,661 (38.7)	7,570 (30.7)	4,262 (17.3)	12,829 (52.0)
first child	22,890	15,550 (67.9)	7,340 (32.1)	2,387 (32.5)	1,484 (20.2)	3,469 (47.3)
2nd child	20,438	13,949 (68.3)	6,489 (31.7)	1,989 (30.7)	1,066 (16.4)	3,434 (52.9)
3rd child	11,035	6,169 (55.9)	4,866 (44.1)	1,491 (30.6)	798 (16.4)	2,577 (53.0)
4th+ child	9,394	3,428 (36.5)	5,966 (63.5)	1,703 (28.5)	914 (15.3)	3,349 (56.1)
AITKIN						
Total	108	45 (41.7)	63 (58.3)	19 (30.2)	11 (17.5)	33 (52.4)
first child	31	9 (29.0)	22 (71.0)	8 (****)	<5	10 (****)
2nd child	37	17 (45.9)	20 (54.1)	<5	<5	12 (****)
3rd child	19	13 (****)	6 (****)	<5	<5	<5
4th+ child	21	6 (****)	15 (****)	6 (****)	<5	7 (****)
ANOKA						
Total	4,150	2,716 (65.4)	1,434 (34.6)	498 (34.7)	256 (17.9)	680 (47.4)
first child	1,480	1,075 (72.6)	405 (27.4)	153 (37.8)	88 (21.7)	164 (40.5)
2nd child	1,377	999 (72.5)	378 (27.5)	134 (35.4)	65 (17.2)	179 (47.4)
3rd child	745	427 (57.3)	318 (42.7)	109 (34.3)	51 (16.0)	158 (49.7)
4th+ child	548	215 (39.2)	333 (60.8)	102 (30.6)	52 (15.6)	179 (53.8)
BECKER						
Total	326	146 (44.8)	180 (55.2)	56 (31.1)	27 (15.0)	97 (53.9)
first child	95	42 (44.2)	53 (55.8)	14 (26.4)	12 (22.6)	27 (50.9)
2nd child	85	46 (54.1)	39 (45.9)	11 (28.2)	5 (12.8)	23 (59.0)
3rd child	61	29 (47.5)	32 (52.5)	5 (15.6)	7 (21.9)	20 (62.5)
4th+ child	85	29 (34.1)	56 (65.9)	26 (46.4)	<5	27 (48.2)
BELTRAMI						
Total	637	228 (35.8)	409 (64.2)	139 (34.0)	68 (16.6)	202 (49.4)
first child	205	95 (46.3)	110 (53.7)	33 (30.0)	20 (18.2)	57 (51.8)
2nd child	172	73 (42.4)	99 (57.6)	29 (29.3)	15 (15.2)	55 (55.6)
3rd child	115	34 (29.6)	81 (70.4)	27 (33.3)	14 (17.3)	40 (49.4)
4th+ child	145	26 (17.9)	119 (82.1)	50 (42.0)	19 (16.0)	50 (42.0)
BENTON						
Total	522	307 (58.8)	215 (41.2)	99 (46.0)	28 (13.0)	88 (40.9)
first child	179	113 (63.1)	66 (36.9)	32 (48.5)	13 (19.7)	21 (31.8)
2nd child	170	100 (58.8)	70 (41.2)	27 (38.6)	8 (11.4)	35 (50.0)
3rd child	96	58 (60.4)	38 (39.6)	24 (63.2)	<5	11 (28.9)
4th+ child	77	36 (46.8)	41 (53.2)	16 (39.0)	<5	21 (51.2)
BIG STONE						
Total	50	32 (64.0)	18 (36.0)	<5	<5	12 (****)
first child	11	11 (****)	0	0	0	0
2nd child	23	12 (****)	11 (****)	<5	<5	7 (****)
3rd child	13	7 (****)	6 (****)	<5	<5	<5
4th+ child	3	<5	<5	0	0	<5
BLUE EARTH						
Total	723	421 (58.2)	302 (41.8)	94 (31.1)	73 (24.2)	135 (44.7)
first child	298	186 (62.4)	112 (37.6)	32 (28.6)	33 (29.5)	47 (42.0)
2nd child	214	138 (64.5)	76 (35.5)	31 (40.8)	17 (22.4)	28 (36.8)
3rd child	122	68 (55.7)	54 (44.3)	16 (29.6)	15 (27.8)	23 (42.6)
4th+ child	89	29 (32.6)	60 (67.4)	15 (25.0)	8 (13.3)	37 (61.7)

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BROWN						
Total	227	127 (55.9)	100 (44.1)	25 (25.0)	15 (15.0)	60 (60.0)
first child	83	54 (65.1)	29 (34.9)	9 (****)	5 (****)	15 (****)
2nd child	85	47 (55.3)	38 (44.7)	9 (23.7)	<5	25 (65.8)
3rd child	38	17 (44.7)	21 (55.3)	<5	<5	15 (****)
4th+ child	21	9 (****)	12 (****)	<5	<5	5 (****)
CARLTON						
Total	382	222 (58.1)	160 (41.9)	43 (26.9)	26 (16.3)	91 (56.9)
first child	147	87 (59.2)	60 (40.8)	21 (35.0)	10 (16.7)	29 (48.3)
2nd child	119	73 (61.3)	46 (38.7)	8 (17.4)	6 (13.0)	32 (69.6)
3rd child	69	39 (56.5)	30 (43.5)	10 (33.3)	6 (20.0)	14 (46.7)
4th+ child	47	23 (48.9)	24 (51.1)	<5	<5	16 (****)
CARVER						
Total	1,157	1,011 (87.4)	146 (12.6)	47 (32.2)	32 (21.9)	67 (45.9)
first child	410	369 (90.0)	41 (10.0)	17 (41.5)	10 (24.4)	14 (34.1)
2nd child	431	398 (92.3)	33 (7.7)	12 (36.4)	7 (21.2)	14 (42.4)
3rd child	204	177 (86.8)	27 (13.2)	9 (****)	5 (****)	13 (****)
4th+ child	112	67 (59.8)	45 (40.2)	9 (20.0)	10 (22.2)	26 (57.8)
CASS						
Total	271	90 (33.2)	181 (66.8)	52 (28.7)	32 (17.7)	97 (53.6)
first child	96	38 (39.6)	58 (60.4)	15 (25.9)	15 (25.9)	28 (48.3)
2nd child	64	18 (28.1)	46 (71.9)	14 (30.4)	8 (17.4)	24 (52.2)
3rd child	48	15 (31.3)	33 (68.8)	10 (30.3)	<5	20 (60.6)
4th+ child	63	19 (30.2)	44 (69.8)	13 (29.5)	6 (13.6)	25 (56.8)
CHIPPEWA						
Total	141	68 (48.2)	73 (51.8)	17 (23.3)	13 (17.8)	43 (58.9)
first child	52	27 (51.9)	25 (48.1)	6 (****)	<5	16 (****)
2nd child	34	21 (61.8)	13 (38.2)	<5	<5	9 (****)
3rd child	36	13 (36.1)	23 (63.9)	<5	6 (****)	13 (****)
4th+ child	19	7 (****)	12 (****)	5 (****)	<5	5 (****)
CHISAGO						
Total	528	364 (68.9)	164 (31.1)	61 (37.2)	22 (13.4)	81 (49.4)
first child	180	131 (72.8)	49 (27.2)	20 (40.8)	6 (12.2)	23 (46.9)
2nd child	183	134 (73.2)	49 (26.8)	16 (32.7)	<5	30 (61.2)
3rd child	99	61 (61.6)	38 (38.4)	13 (34.2)	8 (21.1)	17 (44.7)
4th+ child	66	38 (57.6)	28 (42.4)	12 (****)	5 (****)	11 (****)
CLAY						
Total	28	19 (****)	9 (****)	<5	<5	6 (****)
first child	10	6 (****)	<5	<5	0	<5
2nd child	4	<5	<5	0	0	<5
3rd child	7	6 (****)	<5	0	0	<5
4th+ child	7	<5	<5	<5	<5	<5
CLEARWATER						
Total	95	39 (41.1)	56 (58.9)	12 (21.4)	12 (21.4)	32 (57.1)
first child	26	11 (****)	15 (****)	0	<5	11 (****)
2nd child	27	8 (****)	19 (****)	6 (****)	<5	10 (****)
3rd child	21	8 (****)	13 (****)	<5	5 (****)	5 (****)
4th+ child	21	12 (****)	9 (****)	<5	0	6 (****)

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COOK						
Total	27	11 (****)	16 (****)	<5	<5	10 (****)
first child	11	5 (****)	6 (****)	<5	<5	<5
2nd child	10	<5	6 (****)	<5	<5	<5
3rd child	5	<5	<5	<5	0	<5
4th+ child	1	<5	0	0	0	0
COTTONWOOD						
Total	118	55 (46.6)	63 (53.4)	13 (20.6)	15 (23.8)	35 (55.6)
first child	40	24 (60.0)	16 (40.0)	5 (****)	<5	7 (****)
2nd child	29	14 (****)	15 (****)	0	5 (****)	10 (****)
3rd child	24	9 (****)	15 (****)	<5	<5	9 (****)
4th+ child	25	8 (****)	17 (****)	<5	<5	9 (****)
CROW WING						
Total	637	329 (51.6)	308 (48.4)	80 (26.0)	50 (16.2)	178 (57.8)
first child	221	115 (52.0)	106 (48.0)	26 (24.5)	17 (16.0)	63 (59.4)
2nd child	202	113 (55.9)	89 (44.1)	18 (20.2)	16 (18.0)	55 (61.8)
3rd child	125	64 (51.2)	61 (48.8)	21 (34.4)	10 (16.4)	30 (49.2)
4th+ child	89	37 (41.6)	52 (58.4)	15 (28.8)	7 (13.5)	30 (57.7)
DAKOTA						
Total	5,138	3,653 (71.1)	1,485 (28.9)	563 (37.9)	286 (19.3)	636 (42.8)
first child	1,869	1,388 (74.3)	481 (25.7)	210 (43.7)	97 (20.2)	174 (36.2)
2nd child	1,791	1,391 (77.7)	400 (22.3)	144 (36.0)	86 (21.5)	170 (42.5)
3rd child	890	579 (65.1)	311 (34.9)	94 (30.2)	59 (19.0)	158 (50.8)
4th+ child	588	295 (50.2)	293 (49.8)	115 (39.2)	44 (15.0)	134 (45.7)
DODGE						
Total	258	173 (67.1)	85 (32.9)	25 (29.4)	10 (11.8)	50 (58.8)
first child	83	61 (73.5)	22 (26.5)	8 (****)	<5	12 (****)
2nd child	87	63 (72.4)	24 (27.6)	7 (****)	<5	15 (****)
3rd child	51	37 (72.5)	14 (27.5)	<5	<5	9 (****)
4th+ child	37	12 (32.4)	25 (67.6)	6 (****)	5 (****)	14 (****)
DOUGLAS						
Total	805	650 (80.7)	155 (19.3)	46 (29.7)	18 (11.6)	91 (58.7)
first child	304	255 (83.9)	49 (16.1)	13 (26.5)	5 (10.2)	31 (63.3)
2nd child	264	217 (82.2)	47 (17.8)	14 (29.8)	6 (12.8)	27 (57.4)
3rd child	141	106 (75.2)	35 (24.8)	12 (34.3)	<5	19 (54.3)
4th+ child	96	72 (75.0)	24 (25.0)	7 (****)	<5	14 (****)
FARIBAUT						
Total	143	71 (49.7)	72 (50.3)	18 (25.0)	11 (15.3)	43 (59.7)
first child	42	22 (52.4)	20 (47.6)	<5	5 (****)	12 (****)
2nd child	48	27 (56.3)	21 (43.8)	<5	<5	16 (****)
3rd child	29	13 (****)	16 (****)	7 (****)	<5	6 (****)
4th+ child	24	9 (****)	15 (****)	5 (****)	<5	9 (****)
FILLMORE						
Total	194	123 (63.4)	71 (36.6)	25 (35.2)	16 (22.5)	30 (42.3)
first child	62	41 (66.1)	21 (33.9)	10 (****)	<5	7 (****)
2nd child	68	39 (57.4)	29 (42.6)	11 (****)	7 (****)	11 (****)
3rd child	30	16 (53.3)	14 (46.7)	<5	<5	7 (****)
4th+ child	34	27 (79.4)	7 (20.6)	<5	<5	5 (****)

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FREEBORN						
Total	315	116 (36.8)	199 (63.2)	45 (22.6)	32 (16.1)	122 (61.3)
first child	110	51 (46.4)	59 (53.6)	13 (22.0)	10 (16.9)	36 (61.0)
2nd child	104	40 (38.5)	64 (61.5)	15 (23.4)	13 (20.3)	36 (56.3)
3rd child	57	17 (29.8)	40 (70.2)	12 (30.0)	<5	26 (65.0)
4th+ child	44	8 (18.2)	36 (81.8)	5 (13.9)	7 (19.4)	24 (66.7)
GOODHUE						
Total	505	346 (68.5)	159 (31.5)	52 (32.7)	25 (15.7)	82 (51.6)
first child	178	130 (73.0)	48 (27.0)	17 (35.4)	9 (18.8)	22 (45.8)
2nd child	173	120 (69.4)	53 (30.6)	16 (30.2)	5 (9.4)	32 (60.4)
3rd child	95	62 (65.3)	33 (34.7)	10 (30.3)	6 (18.2)	17 (51.5)
4th+ child	59	34 (57.6)	25 (42.4)	9 (****)	5 (****)	11 (****)
GRANT						
Total	86	52 (60.5)	34 (39.5)	14 (41.2)	<5	16 (47.1)
first child	26	16 (****)	10 (****)	<5	0	8 (****)
2nd child	22	18 (****)	<5	<5	<5	<5
3rd child	28	13 (****)	15 (****)	8 (****)	<5	5 (****)
4th+ child	10	5 (****)	5 (****)	<5	<5	<5
HENNEPIN						
Total	15,310	9,840 (64.3)	5,470 (35.7)	1,980 (36.2)	930 (17.0)	2,560 (46.8)
first child	6,111	4,486 (73.4)	1,625 (26.6)	631 (38.8)	328 (20.2)	666 (41.0)
2nd child	4,841	3,548 (73.3)	1,293 (26.7)	471 (36.4)	217 (16.8)	605 (46.8)
3rd child	2,294	1,277 (55.7)	1,017 (44.3)	374 (36.8)	152 (14.9)	491 (48.3)
4th+ child	2,064	529 (25.6)	1,535 (74.4)	504 (32.8)	233 (15.2)	798 (52.0)
HOUSTON						
Total	10	8 (****)	<5	0	<5	<5
first child	5	<5	<5	0	0	<5
2nd child	4	<5	<5	0	<5	0
3rd child	1	<5	0	0	0	0
4th+ child	0					
HUBBARD						
Total	195	93 (47.7)	102 (52.3)	22 (21.6)	15 (14.7)	65 (63.7)
first child	53	21 (39.6)	32 (60.4)	8 (25.0)	8 (25.0)	16 (50.0)
2nd child	58	27 (46.6)	31 (53.4)	6 (19.4)	<5	21 (67.7)
3rd child	42	23 (54.8)	19 (45.2)	<5	<5	14 (****)
4th+ child	42	22 (52.4)	20 (47.6)	5 (****)	<5	14 (****)
ISANTI						
Total	436	256 (58.7)	180 (41.3)	61 (33.9)	22 (12.2)	97 (53.9)
first child	162	94 (58.0)	68 (42.0)	27 (39.7)	13 (19.1)	28 (41.2)
2nd child	138	88 (63.8)	50 (36.2)	15 (30.0)	<5	31 (62.0)
3rd child	75	44 (58.7)	31 (41.3)	8 (25.8)	<5	20 (64.5)
4th+ child	61	30 (49.2)	31 (50.8)	11 (35.5)	<5	18 (58.1)
ITASCA						
Total	425	199 (46.8)	226 (53.2)	76 (33.6)	31 (13.7)	119 (52.7)
first child	147	78 (53.1)	69 (46.9)	20 (29.0)	11 (15.9)	38 (55.1)
2nd child	121	66 (54.5)	55 (45.5)	19 (34.5)	5 (9.1)	31 (56.4)
3rd child	87	34 (39.1)	53 (60.9)	19 (35.8)	9 (17.0)	25 (47.2)
4th+ child	70	21 (30.0)	49 (70.0)	18 (36.7)	6 (12.2)	25 (51.0)

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JACKSON						
Total	61	33 (54.1)	28 (45.9)	11 (****)	<5	14 (****)
first child	24	15 (****)	9 (****)	<5	<5	5 (****)
2nd child	20	9 (****)	11 (****)	<5	0	7 (****)
3rd child	11	5 (****)	6 (****)	<5	<5	<5
4th+ child	6	<5	<5	<5	0	0
KANABEC						
Total	153	81 (52.9)	72 (47.1)	11 (15.3)	14 (19.4)	47 (65.3)
first child	53	33 (62.3)	20 (37.7)	<5	<5	14 (****)
2nd child	55	28 (50.9)	27 (49.1)	<5	7 (****)	17 (****)
3rd child	20	8 (****)	12 (****)	<5	<5	7 (****)
4th+ child	25	12 (****)	13 (****)	<5	<5	9 (****)
KANDIYOHI						
Total	554	203 (36.6)	351 (63.4)	44 (12.5)	53 (15.1)	254 (72.4)
first child	150	68 (45.3)	82 (54.7)	12 (14.6)	15 (18.3)	55 (67.1)
2nd child	163	65 (39.9)	98 (60.1)	9 (9.2)	17 (17.3)	72 (73.5)
3rd child	102	40 (39.2)	62 (60.8)	11 (17.7)	5 (8.1)	46 (74.2)
4th+ child	139	30 (21.6)	109 (78.4)	12 (11.0)	16 (14.7)	81 (74.3)
KITTSON						
Total	17	9 (****)	8 (****)	<5	<5	<5
first child	6	<5	<5	0	<5	<5
2nd child	7	<5	<5	<5	0	<5
3rd child	2	<5	<5	<5	0	0
4th+ child	2	<5	0	0	0	0
KOOCHICHING						
Total	99	58 (58.6)	41 (41.4)	19 (46.3)	6 (14.6)	16 (39.0)
first child	36	22 (61.1)	14 (38.9)	8 (****)	<5	<5
2nd child	30	19 (63.3)	11 (36.7)	<5	<5	5 (****)
3rd child	17	8 (****)	9 (****)	5 (****)	0	<5
4th+ child	16	9 (****)	7 (****)	<5	<5	<5
LAC QUI PARLE						
Total	57	34 (59.6)	23 (40.4)	<5	<5	17 (****)
first child	27	14 (****)	13 (****)	<5	<5	10 (****)
2nd child	10	6 (****)	<5	0	<5	<5
3rd child	14	11 (****)	<5	0	0	<5
4th+ child	6	<5	<5	<5	0	<5
LAKE						
Total	96	53 (55.2)	43 (44.8)	10 (23.3)	8 (18.6)	25 (58.1)
first child	33	19 (57.6)	14 (42.4)	6 (****)	<5	<5
2nd child	30	22 (73.3)	8 (26.7)	<5	0	6 (****)
3rd child	11	5 (****)	6 (****)	<5	<5	<5
4th+ child	22	7 (****)	15 (****)	0	<5	12 (****)
LAKE OF THE WOODS						
Total	39	21 (53.8)	18 (46.2)	5 (****)	<5	11 (****)
first child	8	<5	<5	<5	<5	<5
2nd child	19	11 (****)	8 (****)	<5	<5	5 (****)
3rd child	7	<5	<5	<5	0	<5
4th+ child	5	<5	<5	0	0	<5

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LE SUEUR						
Total	288	184 (63.9)	104 (36.1)	35 (33.7)	15 (14.4)	54 (51.9)
first child	83	53 (63.9)	30 (36.1)	12 (40.0)	<5	14 (46.7)
2nd child	108	78 (72.2)	30 (27.8)	9 (30.0)	5 (16.7)	16 (53.3)
3rd child	58	34 (58.6)	24 (41.4)	10 (****)	<5	10 (****)
4th+ child	39	19 (48.7)	20 (51.3)	<5	<5	14 (****)
LINCOLN						
Total	31	15 (48.4)	16 (51.6)	<5	<5	11 (****)
first child	10	6 (****)	<5	<5	0	<5
2nd child	5	<5	<5	0	<5	0
3rd child	9	<5	5 (****)	<5	<5	<5
4th+ child	7	<5	5 (****)	0	0	5 (****)
LYON						
Total	311	155 (49.8)	156 (50.2)	20 (12.8)	32 (20.5)	104 (66.7)
first child	92	51 (55.4)	41 (44.6)	<5	12 (29.3)	26 (63.4)
2nd child	93	53 (57.0)	40 (43.0)	6 (15.0)	7 (17.5)	27 (67.5)
3rd child	73	34 (46.6)	39 (53.4)	<5	8 (20.5)	28 (71.8)
4th+ child	53	17 (32.1)	36 (67.9)	8 (22.2)	5 (13.9)	23 (63.9)
MAHNOMEN						
Total	86	15 (17.4)	71 (82.6)	15 (21.1)	15 (21.1)	41 (57.7)
first child	29	<5	25 (****)	6 (****)	5 (****)	14 (****)
2nd child	19	<5	16 (****)	5 (****)	<5	8 (****)
3rd child	17	<5	14 (****)	0	<5	12 (****)
4th+ child	21	5 (****)	16 (****)	<5	5 (****)	7 (****)
MARSHALL						
Total	76	37 (48.7)	39 (51.3)	15 (38.5)	7 (17.9)	17 (43.6)
first child	25	12 (****)	13 (****)	6 (****)	<5	<5
2nd child	26	14 (****)	12 (****)	<5	<5	5 (****)
3rd child	16	6 (****)	10 (****)	<5	<5	5 (****)
4th+ child	9	5 (****)	<5	<5	0	<5
MARTIN						
Total	244	115 (47.1)	129 (52.9)	33 (25.6)	21 (16.3)	75 (58.1)
first child	78	38 (48.7)	40 (51.3)	10 (25.0)	5 (12.5)	25 (62.5)
2nd child	68	35 (51.5)	33 (48.5)	8 (24.2)	6 (18.2)	19 (57.6)
3rd child	53	27 (50.9)	26 (49.1)	<5	6 (****)	17 (****)
4th+ child	45	15 (33.3)	30 (66.7)	12 (40.0)	<5	14 (46.7)
MCLEOD						
Total	381	225 (59.1)	156 (40.9)	41 (26.3)	25 (16.0)	90 (57.7)
first child	140	92 (65.7)	48 (34.3)	13 (27.1)	7 (14.6)	28 (58.3)
2nd child	106	72 (67.9)	34 (32.1)	13 (38.2)	7 (20.6)	14 (41.2)
3rd child	68	34 (50.0)	34 (50.0)	7 (20.6)	<5	23 (67.6)
4th+ child	67	27 (40.3)	40 (59.7)	8 (20.0)	7 (17.5)	25 (62.5)
MEEKER						
Total	267	146 (54.7)	121 (45.3)	29 (24.0)	17 (14.0)	75 (62.0)
first child	74	47 (63.5)	27 (36.5)	<5	6 (****)	20 (****)
2nd child	87	46 (52.9)	41 (47.1)	13 (31.7)	5 (12.2)	23 (56.1)
3rd child	47	21 (44.7)	26 (55.3)	9 (****)	<5	14 (****)
4th+ child	59	32 (54.2)	27 (45.8)	6 (****)	<5	18 (****)

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MILLE LACS CO						
Total	281	130 (46.3)	151 (53.7)	41 (27.2)	20 (13.2)	90 (59.6)
first child	95	44 (46.3)	51 (53.7)	13 (25.5)	7 (13.7)	31 (60.8)
2nd child	83	38 (45.8)	45 (54.2)	14 (31.1)	6 (13.3)	25 (55.6)
3rd child	46	24 (52.2)	22 (47.8)	<5	<5	16 (****)
4th+ child	57	24 (42.1)	33 (57.9)	11 (33.3)	<5	18 (54.5)
MORRISON						
Total	369	222 (60.2)	147 (39.8)	53 (36.1)	21 (14.3)	73 (49.7)
first child	99	59 (59.6)	40 (40.4)	12 (30.0)	8 (20.0)	20 (50.0)
2nd child	138	84 (60.9)	54 (39.1)	23 (42.6)	6 (11.1)	25 (46.3)
3rd child	77	51 (66.2)	26 (33.8)	9 (****)	5 (****)	12 (****)
4th+ child	55	28 (50.9)	27 (49.1)	9 (****)	<5	16 (****)
MOWER						
Total	543	208 (38.3)	335 (61.7)	99 (29.6)	61 (18.2)	175 (52.2)
first child	173	71 (41.0)	102 (59.0)	28 (27.5)	25 (24.5)	49 (48.0)
2nd child	152	70 (46.1)	82 (53.9)	26 (31.7)	12 (14.6)	44 (53.7)
3rd child	117	41 (35.0)	76 (65.0)	25 (32.9)	12 (15.8)	39 (51.3)
4th+ child	101	26 (25.7)	75 (74.3)	20 (26.7)	12 (16.0)	43 (57.3)
MURRAY						
Total	66	33 (50.0)	33 (50.0)	11 (33.3)	<5	18 (54.5)
first child	15	7 (****)	8 (****)	<5	<5	<5
2nd child	20	11 (****)	9 (****)	<5	<5	6 (****)
3rd child	18	9 (****)	9 (****)	<5	<5	5 (****)
4th+ child	13	6 (****)	7 (****)	<5	0	<5
NICOLLET						
Total	335	227 (67.8)	108 (32.2)	24 (22.2)	29 (26.9)	55 (50.9)
first child	128	89 (69.5)	39 (30.5)	15 (38.5)	12 (30.8)	12 (30.8)
2nd child	109	85 (78.0)	24 (22.0)	<5	7 (****)	13 (****)
3rd child	63	44 (69.8)	19 (30.2)	<5	<5	16 (****)
4th+ child	35	9 (25.7)	26 (74.3)	<5	8 (****)	14 (****)
NOBLES						
Total	295	74 (25.1)	221 (74.9)	36 (16.3)	56 (25.3)	129 (58.4)
first child	87	17 (19.5)	70 (80.5)	11 (15.7)	13 (18.6)	46 (65.7)
2nd child	80	31 (38.8)	49 (61.3)	6 (12.2)	16 (32.7)	27 (55.1)
3rd child	70	18 (25.7)	52 (74.3)	9 (17.3)	19 (36.5)	24 (46.2)
4th+ child	58	8 (13.8)	50 (86.2)	10 (20.0)	8 (16.0)	32 (64.0)
NORMAN						
Total	9	<5	6 (****)	<5	0	5 (****)
first child	2	0	<5	0	0	<5
2nd child	1	0	<5	0	0	<5
3rd child	1	<5	0	0	0	0
4th+ child	5	<5	<5	<5	0	<5
OLMSTED						
Total	2,016	1,372 (68.1)	644 (31.9)	150 (23.3)	113 (17.5)	381 (59.2)
first child	786	573 (72.9)	213 (27.1)	53 (24.9)	42 (19.7)	118 (55.4)
2nd child	653	485 (74.3)	168 (25.7)	44 (26.2)	26 (15.5)	98 (58.3)
3rd child	311	201 (64.6)	110 (35.4)	21 (19.1)	23 (20.9)	66 (60.0)
4th+ child	266	113 (42.5)	153 (57.5)	32 (20.9)	22 (14.4)	99 (64.7)

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OTTER TAIL						
Total	565	315 (55.8)	250 (44.2)	55 (22.0)	55 (22.0)	140 (56.0)
first child	172	103 (59.9)	69 (40.1)	13 (18.8)	16 (23.2)	40 (58.0)
2nd child	175	107 (61.1)	68 (38.9)	17 (25.0)	15 (22.1)	36 (52.9)
3rd child	107	53 (49.5)	54 (50.5)	12 (22.2)	9 (16.7)	33 (61.1)
4th+ child	111	52 (46.8)	59 (53.2)	13 (22.0)	15 (25.4)	31 (52.5)
PENNINGTON						
Total	130	57 (43.8)	73 (56.2)	23 (31.5)	10 (13.7)	40 (54.8)
first child	46	22 (47.8)	24 (52.2)	12 (****)	5 (****)	7 (****)
2nd child	38	15 (39.5)	23 (60.5)	<5	<5	17 (****)
3rd child	24	13 (****)	11 (****)	<5	<5	8 (****)
4th+ child	22	7 (****)	15 (****)	6 (****)	<5	8 (****)
PINE						
Total	241	105 (43.6)	136 (56.4)	35 (25.7)	22 (16.2)	79 (58.1)
first child	84	37 (44.0)	47 (56.0)	12 (25.5)	7 (14.9)	28 (59.6)
2nd child	67	30 (44.8)	37 (55.2)	6 (16.2)	9 (24.3)	22 (59.5)
3rd child	44	15 (34.1)	29 (65.9)	10 (****)	<5	15 (****)
4th+ child	46	23 (50.0)	23 (50.0)	7 (****)	<5	14 (****)
PIPESTONE						
Total	90	36 (40.0)	54 (60.0)	13 (24.1)	7 (13.0)	34 (63.0)
first child	33	16 (48.5)	17 (51.5)	<5	<5	9 (****)
2nd child	22	11 (****)	11 (****)	<5	<5	7 (****)
3rd child	14	6 (****)	8 (****)	<5	<5	5 (****)
4th+ child	21	<5	18 (****)	<5	<5	13 (****)
POLK						
Total	217	140 (64.5)	77 (35.5)	20 (26.0)	20 (26.0)	37 (48.1)
first child	69	47 (68.1)	22 (31.9)	<5	8 (****)	11 (****)
2nd child	62	42 (67.7)	20 (32.3)	6 (****)	<5	12 (****)
3rd child	46	27 (58.7)	19 (41.3)	5 (****)	8 (****)	6 (****)
4th+ child	40	24 (60.0)	16 (40.0)	6 (****)	<5	8 (****)
POPE						
Total	132	81 (61.4)	51 (38.6)	13 (25.5)	11 (21.6)	27 (52.9)
first child	43	27 (62.8)	16 (37.2)	6 (****)	<5	8 (****)
2nd child	43	29 (67.4)	14 (32.6)	<5	<5	8 (****)
3rd child	23	12 (****)	11 (****)	<5	<5	7 (****)
4th+ child	23	13 (****)	10 (****)	<5	<5	<5
RAMSEY						
Total	7,102	3,290 (46.3)	3,812 (53.7)	921 (24.2)	698 (18.3)	2,193 (57.5)
first child	2,476	1,443 (58.3)	1,033 (41.7)	240 (23.2)	241 (23.3)	552 (53.4)
2nd child	2,138	1,147 (53.6)	991 (46.4)	258 (26.0)	160 (16.1)	573 (57.8)
3rd child	1,232	453 (36.8)	779 (63.2)	199 (25.5)	127 (16.3)	453 (58.2)
4th+ child	1,256	247 (19.7)	1,009 (80.3)	224 (22.2)	170 (16.8)	615 (61.0)
RED LAKE						
Total	36	20 (55.6)	16 (44.4)	5 (****)	<5	10 (****)
first child	13	9 (****)	<5	<5	0	<5
2nd child	13	5 (****)	8 (****)	<5	0	7 (****)
3rd child	5	<5	<5	0	0	<5
4th+ child	5	<5	<5	<5	<5	<5

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REDWOOD						
Total	183	109 (59.6)	74 (40.4)	24 (32.4)	10 (13.5)	40 (54.1)
first child	63	45 (71.4)	18 (28.6)	6 (****)	<5	9 (****)
2nd child	55	34 (61.8)	21 (38.2)	8 (****)	<5	9 (****)
3rd child	34	15 (44.1)	19 (55.9)	<5	<5	14 (****)
4th+ child	31	15 (48.4)	16 (51.6)	6 (****)	<5	8 (****)
RENVILLE						
Total	161	67 (41.6)	94 (58.4)	22 (23.4)	19 (20.2)	53 (56.4)
first child	51	26 (51.0)	25 (49.0)	6 (****)	<5	16 (****)
2nd child	52	24 (46.2)	28 (53.8)	8 (****)	6 (****)	14 (****)
3rd child	32	10 (31.3)	22 (68.8)	6 (****)	<5	12 (****)
4th+ child	26	7 (****)	19 (****)	<5	6 (****)	11 (****)
RICE						
Total	717	391 (54.5)	326 (45.5)	68 (20.9)	60 (18.4)	198 (60.7)
first child	210	127 (60.5)	83 (39.5)	24 (28.9)	12 (14.5)	47 (56.6)
2nd child	235	150 (63.8)	85 (36.2)	20 (23.5)	17 (20.0)	48 (56.5)
3rd child	132	73 (55.3)	59 (44.7)	11 (18.6)	13 (22.0)	35 (59.3)
4th+ child	140	41 (29.3)	99 (70.7)	13 (13.1)	18 (18.2)	68 (68.7)
ROCK						
Total	26	13 (****)	13 (****)	<5	<5	7 (****)
first child	11	7 (****)	<5	<5	<5	0
2nd child	7	<5	5 (****)	0	<5	<5
3rd child	5	<5	<5	0	<5	<5
4th+ child	3	<5	<5	0	0	<5
ROSEAU						
Total	152	79 (52.0)	73 (48.0)	27 (37.0)	7 (9.6)	39 (53.4)
first child	52	28 (53.8)	24 (46.2)	10 (****)	<5	12 (****)
2nd child	35	17 (48.6)	18 (51.4)	5 (****)	<5	11 (****)
3rd child	36	21 (58.3)	15 (41.7)	5 (****)	<5	8 (****)
4th+ child	29	13 (****)	16 (****)	7 (****)	<5	8 (****)
SAINT LOUIS						
Total	1,889	1,090 (57.7)	799 (42.3)	283 (35.4)	105 (13.1)	411 (51.4)
first child	707	427 (60.4)	280 (39.6)	91 (32.5)	43 (15.4)	146 (52.1)
2nd child	645	389 (60.3)	256 (39.7)	87 (34.0)	28 (10.9)	141 (55.1)
3rd child	304	179 (58.9)	125 (41.1)	56 (44.8)	18 (14.4)	51 (40.8)
4th+ child	233	95 (40.8)	138 (59.2)	49 (35.5)	16 (11.6)	73 (52.9)
SCOTT						
Total	1,685	1,272 (75.5)	413 (24.5)	154 (37.3)	60 (14.5)	199 (48.2)
first child	615	486 (79.0)	129 (21.0)	56 (43.4)	20 (15.5)	53 (41.1)
2nd child	595	478 (80.3)	117 (19.7)	51 (43.6)	17 (14.5)	49 (41.9)
3rd child	284	212 (74.6)	72 (25.4)	25 (34.7)	10 (13.9)	37 (51.4)
4th+ child	191	96 (50.3)	95 (49.7)	22 (23.2)	13 (13.7)	60 (63.2)
SHERBURNE						
Total	1,191	838 (70.4)	353 (29.6)	127 (36.0)	68 (19.3)	158 (44.8)
first child	415	310 (74.7)	105 (25.3)	44 (41.9)	24 (22.9)	37 (35.2)
2nd child	391	299 (76.5)	92 (23.5)	28 (30.4)	19 (20.7)	45 (48.9)
3rd child	206	136 (66.0)	70 (34.0)	28 (40.0)	13 (18.6)	29 (41.4)
4th+ child	179	93 (52.0)	86 (48.0)	27 (31.4)	12 (14.0)	47 (54.7)

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SIBLEY						
Total	164	107 (65.2)	57 (34.8)	12 (21.1)	6 (10.5)	39 (68.4)
first child	51	33 (64.7)	18 (35.3)	5 (****)	<5	11 (****)
2nd child	52	36 (69.2)	16 (30.8)	<5	<5	12 (****)
3rd child	27	18 (****)	9 (****)	<5	<5	6 (****)
4th+ child	34	20 (58.8)	14 (41.2)	<5	0	10 (****)
STEARNS						
Total	1,972	1,076 (54.6)	896 (45.4)	260 (29.0)	144 (16.1)	492 (54.9)
first child	629	399 (63.4)	230 (36.6)	88 (38.3)	38 (16.5)	104 (45.2)
2nd child	578	381 (65.9)	197 (34.1)	61 (31.0)	34 (17.3)	102 (51.8)
3rd child	365	185 (50.7)	180 (49.3)	43 (23.9)	31 (17.2)	106 (58.9)
4th+ child	400	111 (27.8)	289 (72.3)	68 (23.5)	41 (14.2)	180 (62.3)
STEELE						
Total	415	232 (55.9)	183 (44.1)	44 (24.0)	29 (15.8)	110 (60.1)
first child	138	85 (61.6)	53 (38.4)	10 (18.9)	12 (22.6)	31 (58.5)
2nd child	145	91 (62.8)	54 (37.2)	15 (27.8)	7 (13.0)	32 (59.3)
3rd child	73	38 (52.1)	35 (47.9)	11 (31.4)	<5	20 (57.1)
4th+ child	59	18 (30.5)	41 (69.5)	8 (19.5)	6 (14.6)	27 (65.9)
STEVENS						
Total	125	81 (64.8)	44 (35.2)	11 (25.0)	8 (18.2)	25 (56.8)
first child	35	23 (65.7)	12 (34.3)	<5	<5	6 (****)
2nd child	48	30 (62.5)	18 (37.5)	6 (****)	<5	8 (****)
3rd child	20	13 (****)	7 (****)	<5	0	6 (****)
4th+ child	22	15 (****)	7 (****)	<5	0	5 (****)
SWIFT						
Total	110	46 (41.8)	64 (58.2)	19 (29.7)	8 (12.5)	37 (57.8)
first child	38	18 (47.4)	20 (52.6)	<5	<5	12 (****)
2nd child	34	16 (47.1)	18 (52.9)	8 (****)	<5	9 (****)
3rd child	21	<5	18 (****)	6 (****)	<5	11 (****)
4th+ child	17	9 (****)	8 (****)	<5	<5	5 (****)
TODD						
Total	287	161 (56.1)	126 (43.9)	39 (31.0)	19 (15.1)	68 (54.0)
first child	83	43 (51.8)	40 (48.2)	11 (27.5)	7 (17.5)	22 (55.0)
2nd child	74	41 (55.4)	33 (44.6)	6 (18.2)	5 (15.2)	22 (66.7)
3rd child	59	28 (47.5)	31 (52.5)	14 (45.2)	<5	13 (41.9)
4th+ child	71	49 (69.0)	22 (31.0)	8 (****)	<5	11 (****)
TRAVERSE						
Total	12	5 (****)	7 (****)	<5	<5	<5
first child	2	<5	<5	0	0	<5
2nd child	4	<5	<5	0	0	<5
3rd child	3	<5	<5	<5	0	0
4th+ child	3	0	<5	0	<5	<5
WABASHA						
Total	217	144 (66.4)	73 (33.6)	21 (28.8)	13 (17.8)	39 (53.4)
first child	79	51 (64.6)	28 (35.4)	7 (****)	<5	17 (****)
2nd child	71	53 (74.6)	18 (25.4)	10 (****)	<5	6 (****)
3rd child	45	30 (66.7)	15 (33.3)	<5	5 (****)	7 (****)
4th+ child	22	10 (****)	12 (****)	<5	<5	9 (****)

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WADENA						
Total	189	89 (47.1)	100 (52.9)	39 (39.0)	11 (11.0)	50 (50.0)
first child	51	26 (51.0)	25 (49.0)	9 (****)	6 (****)	10 (****)
2nd child	53	28 (52.8)	25 (47.2)	10 (****)	<5	14 (****)
3rd child	41	16 (39.0)	25 (61.0)	10 (****)	<5	13 (****)
4th+ child	44	19 (43.2)	25 (56.8)	10 (****)	<5	13 (****)
WASECA						
Total	187	107 (57.2)	80 (42.8)	19 (23.8)	20 (25.0)	41 (51.3)
first child	64	36 (56.3)	28 (43.8)	7 (****)	8 (****)	13 (****)
2nd child	65	39 (60.0)	26 (40.0)	6 (****)	<5	17 (****)
3rd child	32	20 (62.5)	12 (37.5)	<5	<5	<5
4th+ child	26	12 (****)	14 (****)	<5	5 (****)	7 (****)
WASHINGTON						
Total	2,658	2,065 (77.7)	593 (22.3)	207 (34.9)	100 (16.9)	286 (48.2)
first child	920	751 (81.6)	169 (18.4)	55 (32.5)	30 (17.8)	84 (49.7)
2nd child	963	778 (80.8)	185 (19.2)	67 (36.2)	30 (16.2)	88 (47.6)
3rd child	494	373 (75.5)	121 (24.5)	46 (38.0)	22 (18.2)	53 (43.8)
4th+ child	281	163 (58.0)	118 (42.0)	39 (33.1)	18 (15.3)	61 (51.7)
WATONWAN						
Total	167	53 (31.7)	114 (68.3)	25 (21.9)	27 (23.7)	62 (54.4)
first child	50	19 (38.0)	31 (62.0)	9 (29.0)	9 (29.0)	13 (41.9)
2nd child	57	19 (33.3)	38 (66.7)	8 (21.1)	6 (15.8)	24 (63.2)
3rd child	37	9 (24.3)	28 (75.7)	<5	8 (****)	16 (****)
4th+ child	23	6 (****)	17 (****)	<5	<5	9 (****)
WILKIN						
Total	31	19 (61.3)	12 (38.7)	<5	5 (****)	6 (****)
first child	7	<5	<5	0	<5	<5
2nd child	10	7 (****)	<5	<5	<5	<5
3rd child	6	<5	<5	0	<5	0
4th+ child	8	5 (****)	<5	0	0	<5
WINONA						
Total	317	188 (59.3)	129 (40.7)	38 (29.5)	28 (21.7)	63 (48.8)
first child	112	71 (63.4)	41 (36.6)	10 (24.4)	11 (26.8)	20 (48.8)
2nd child	96	61 (63.5)	35 (36.5)	11 (31.4)	7 (20.0)	17 (48.6)
3rd child	49	32 (65.3)	17 (34.7)	6 (****)	<5	8 (****)
4th+ child	60	24 (40.0)	36 (60.0)	11 (30.6)	7 (19.4)	18 (50.0)
WRIGHT						
Total	1,680	1,315 (78.3)	365 (21.7)	126 (34.5)	63 (17.3)	176 (48.2)
first child	556	428 (77.0)	128 (23.0)	55 (43.0)	35 (27.3)	38 (29.7)
2nd child	527	438 (83.1)	89 (16.9)	25 (28.1)	8 (9.0)	56 (62.9)
3rd child	323	259 (80.2)	64 (19.8)	19 (29.7)	7 (10.9)	38 (59.4)
4th+ child	274	190 (69.3)	84 (30.7)	27 (32.1)	13 (15.5)	44 (52.4)
YELLOW MEDICINE						
Total	88	42 (47.7)	46 (52.3)	13 (28.3)	5 (10.9)	28 (60.9)
first child	35	18 (51.4)	17 (48.6)	6 (****)	<5	9 (****)
2nd child	21	12 (****)	9 (****)	<5	<5	6 (****)
3rd child	17	8 (****)	9 (****)	<5	0	6 (****)
4th+ child	15	<5	11 (****)	<5	<5	7 (****)

Suggested citation: Minnesota WIC Information System. Enrollment in Minnesota WIC by Mothers of Infants Born in Minnesota During Calendar Year 2019 by Birth Order by County. Minnesota WIC Program: 2020.

Note: Minnesota WIC served additional infants born in 2019 who were born outside of the state.

For more information contact: Minnesota WIC Program 1 (800) 657-3942

¹ Birth Order determined from previous births reported as 'now living' on the birth certificate, excluding previous births reported as not living at time of the current birth

² Minnesota birth certificate data

³ Number of infants who were not enrolled in the Minnesota WIC program

⁴ Number of infants who were enrolled in the Minnesota WIC program

⁵ Number of infant WIC enrollees whose mothers did not enroll in the Minnesota WIC program during pregnancy (percentage of all infants born in Minnesota who were enrolled in the Minnesota WIC program and whose mothers did not enroll during pregnancy)

⁶ Number of infant WIC enrollees whose mothers enrolled in the Minnesota WIC program for less than 3 months during pregnancy (percentage of all infants born in Minnesota whose mothers enrolled in the Minnesota WIC program for less than 3 months during pregnancy)

⁷ Number of infant Minnesota WIC enrollees whose mothers enrolled in the Minnesota WIC program for 3 or more months during pregnancy (percentage of all infants born in Minnesota whose mothers enrolled in the Minnesota WIC program for 3 or more months during pregnancy)

Methodology and Interpretation: Enrollment by Birth Order

Methodology

Enrollment

Enrollment in WIC is determined by WIC information linked to Minnesota birth certificate data. Enrollment numbers do not include infants born in Minnesota who participated in WIC where the birth and WIC records were not successfully matched. Enrollment numbers do not include infants born outside Minnesota who participated in Minnesota WIC. WIC participation recorded on the birth certificate was ignored when determining WIC enrollment for the purposes of this report.

Birth Order

Birth order is determined by number of living children as reported on the Minnesota birth certificate. Prior infants born to the current infant's mother who were reported as not living at the time of the current infant's birth were not included when calculating birth order. This makes birth order less accurate but a better estimate of the number of children living in a household at the time of the current infant's birth.

WIC participation categories

Minnesota WIC participation by mothers whose infants were born in Minnesota are divided into four categories.

- Infants not enrolled in WIC – neither the mother nor infant were enrolled in Minnesota WIC, or the birth and WIC records were not successfully matched.
- Postpartum/infant only – the infant was enrolled in WIC, and the mother either never participated or participated only postpartum.
- < 3 months of pregnancy – mother enrolled in WIC within 90 days prior to her infant's birth. For infants born on or after their due date, this would be the same as enrollment during the 3rd trimester of pregnancy.
- 3 or more months of pregnancy - mother enrolled in WIC more than 90 days prior to her infant's birth. For infants born on or after their due date, this would be the same as enrollment prior to the 3rd trimester of pregnancy.

Interpretation:

Because not every WIC record is successfully matched to a Minnesota birth certificate, the number and percentage of infants whose mothers participate in WIC is underreported.

WIC participation increases with higher birth order. This may be partially explained by the fact that WIC income eligibility varies with household size. Higher birth order is also associated with timing of enrollment in WIC, with mothers with more children enrolling earlier in pregnancy.