

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
MINNESOTA						
2019	17,797	2,894 (16.3)	5,131	1,914 (37.3)	22,462	7,753 (34.5)
2018	18,426	3,469 (18.8)	5,455	2,089 (38.3)	23,972	8,672 (36.2)
2017	20,391	3,152 (15.5)	5,507	2,035 (36.9)	26,295	9,210 (35.0)
2016	21,881	3,232 (14.8)	7,257	2,347 (32.3)	27,847	9,709 (34.9)
2015	21,823	2,932 (13.4)	6,183	2,059 (33.3)	21,952	7,516 (34.2)
2014	23,486	3,052 (13.0)	6,066	1,917 (31.6)	23,844	8,577 (36.0)
2013	24,694	2,682 (10.9)	6,402	1,761 (27.5)	24,518	7,531 (30.7)
2012	25,967	2,642 (10.2)	6,362	1,694 (26.6)	25,796	7,997 (31.0)
2011	24,888	2,447 (9.8)	6,106	1,575 (25.8)	24,709	7,515 (30.4)
AITKIN						
2019	38	9 (23.7)	12	6 (****)	51	13 (25.5)
2018	56	7 (12.5)	16	4 (****)	65	19 (29.2)
2017	47	8 (17.0)	13	7 (****)	64	21 (32.8)
2016	50	10 (20.0)	18	6 (****)	66	28 (42.4)
2015	61	4 (6.6)	17	3 (****)	61	22 (36.1)
2014	53	2 (3.8)	9	0	53	14 (26.4)
2013	54	4 (7.4)	16	2 (****)	53	8 (15.1)
2012	65	3 (4.6)	13	2 (****)	65	13 (20.0)
2011	58	6 (10.3)	19	5 (****)	58	9 (15.5)
ANOKA						
2019	1,027	153 (14.9)	307	97 (31.6)	1,352	486 (35.9)
2018	837	160 (19.1)	237	96 (40.5)	1,184	379 (32.0)
2017	913	129 (14.1)	269	87 (32.3)	1,309	386 (29.5)
2016	977	131 (13.4)	364	92 (25.3)	1,322	411 (31.1)
2015	1,343	191 (14.2)	432	144 (33.3)	1,365	427 (31.3)
2014	1,086	162 (14.9)	301	91 (30.2)	1,128	362 (32.1)
2013	1,193	102 (8.5)	320	73 (22.8)	1,184	334 (28.2)
2012	1,218	115 (9.4)	331	77 (23.3)	1,211	334 (27.6)
2011	1,236	127 (10.3)	350	92 (26.3)	1,225	323 (26.4)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
BECKER						
2019	131	8 (6.1)	29	5 (****)	171	31 (18.1)
2018	145	29 (20.0)	46	20 (43.5)	179	36 (20.1)
2017	142	12 (8.5)	29	8 (****)	179	49 (27.4)
2016	161	13 (8.1)	46	10 (21.7)	205	49 (23.9)
2015	193	9 (4.7)	42	8 (19.0)	198	64 (32.3)
2014	179	18 (10.1)	39	9 (23.1)	181	56 (30.9)
2013	217	18 (8.3)	51	14 (27.5)	213	50 (23.5)
2012	222	20 (9.0)	49	14 (28.6)	222	72 (32.4)
2011	226	6 (2.7)	48	5 (10.4)	224	56 (25.0)
BELTRAMI						
2019	273	51 (18.7)	86	37 (43.0)	352	131 (37.2)
2018	287	50 (17.4)	83	27 (32.5)	363	130 (35.8)
2017	302	63 (20.9)	73	30 (41.1)	390	152 (39.0)
2016	327	35 (10.7)	100	24 (24.0)	393	135 (34.4)
2015	390	53 (13.6)	91	37 (40.7)	389	147 (37.8)
2014	362	47 (13.0)	76	31 (40.8)	378	143 (37.8)
2013	429	50 (11.7)	101	31 (30.7)	427	162 (37.9)
2012	454	67 (14.8)	126	47 (37.3)	452	174 (38.5)
2011	463	57 (12.3)	103	39 (37.9)	461	164 (35.6)
BENTON						
2019	138	17 (12.3)	38	11 (28.9)	202	67 (33.2)
2018	129	30 (23.3)	45	20 (44.4)	182	87 (47.8)
2017	138	16 (11.6)	34	12 (35.3)	204	71 (34.8)
2016	179	37 (20.7)	62	29 (46.8)	239	87 (36.4)
2015	258	52 (20.2)	79	39 (49.4)	260	98 (37.7)
2014	158	25 (15.8)	44	21 (47.7)	159	66 (41.5)
2013	174	20 (11.5)	43	15 (34.9)	172	47 (27.3)
2012	206	14 (6.8)	52	10 (19.2)	206	53 (25.7)
2011	173	11 (6.4)	32	7 (21.9)	173	40 (23.1)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
BIG STONE						
2019	18	1 (****)	3	0	24	8 (****)
2018	26	5 (****)	7	2 (****)	27	3 (****)
2017	34	2 (5.9)	10	2 (****)	38	10 (26.3)
2016	25	4 (****)	10	3 (****)	29	6 (****)
2015	20	0	2	0	20	4 (****)
2014	20	0	5	1 (****)	20	4 (****)
2013	34	2 (5.9)	7	2 (****)	34	11 (32.4)
2012	30	2 (6.7)	8	2 (****)	30	7 (23.3)
2011	39	1 (2.6)	5	0	38	5 (13.2)
BLUE EARTH						
2019	207	30 (14.5)	72	21 (29.2)	270	80 (29.6)
2018	181	37 (20.4)	59	23 (39.0)	235	71 (30.2)
2017	193	28 (14.5)	58	22 (37.9)	249	101 (40.6)
2016	236	40 (16.9)	79	34 (43.0)	302	101 (33.4)
2015	321	37 (11.5)	83	24 (28.9)	320	104 (32.5)
2014	239	23 (9.6)	51	13 (25.5)	240	72 (30.0)
2013	233	25 (10.7)	64	20 (31.2)	231	54 (23.4)
2012	262	24 (9.2)	59	14 (23.7)	261	64 (24.5)
2011	232	25 (10.8)	50	15 (30.0)	232	55 (23.7)
BROWN						
2019	76	8 (10.5)	17	6 (****)	94	19 (20.2)
2018	85	14 (16.5)	32	10 (31.2)	107	31 (29.0)
2017	85	8 (9.4)	18	4 (****)	115	24 (20.9)
2016	89	2 (2.2)	22	2 (****)	122	27 (22.1)
2015	114	9 (7.9)	22	7 (****)	113	30 (26.5)
2014	103	8 (7.8)	29	7 (****)	103	23 (22.3)
2013	129	10 (7.8)	33	6 (18.2)	128	16 (12.5)
2012	121	9 (7.4)	23	5 (****)	118	32 (27.1)
2011	113	8 (7.1)	30	4 (13.3)	110	26 (23.6)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
CARLTON						
2019	121	13 (10.7)	34	11 (32.4)	150	39 (26.0)
2018	120	22 (18.3)	37	15 (40.5)	145	38 (26.2)
2017	129	8 (6.2)	35	6 (17.1)	157	43 (27.4)
2016	121	12 (9.9)	47	11 (23.4)	159	64 (40.3)
2015	161	13 (8.1)	38	12 (31.6)	162	52 (32.1)
2014	158	16 (10.1)	42	8 (19.0)	158	42 (26.6)
2013	155	9 (5.8)	37	5 (13.5)	154	39 (25.3)
2012	169	7 (4.1)	40	7 (17.5)	169	51 (30.2)
2011	176	4 (2.3)	29	2 (****)	174	41 (23.6)
CARVER						
2019	114	22 (19.3)	38	18 (47.4)	144	40 (27.8)
2018	96	14 (14.6)	26	7 (****)	145	58 (40.0)
2017	129	14 (10.9)	35	8 (22.9)	192	63 (32.8)
2016	116	21 (18.1)	49	16 (32.7)	175	50 (28.6)
2015	182	14 (7.7)	47	10 (21.3)	183	62 (33.9)
2014	140	20 (14.3)	34	4 (11.8)	142	49 (34.5)
2013	168	12 (7.1)	48	8 (16.7)	167	65 (38.9)
2012	153	21 (13.7)	50	15 (30.0)	153	64 (41.8)
2011	150	9 (6.0)	31	5 (16.1)	149	35 (23.5)
CASS						
2019	137	27 (19.7)	46	20 (43.5)	154	56 (36.4)
2018	142	39 (27.5)	50	26 (52.0)	175	75 (42.9)
2017	139	19 (13.7)	48	16 (33.3)	164	49 (29.9)
2016	171	27 (15.8)	65	16 (24.6)	223	69 (30.9)
2015	180	20 (11.1)	56	14 (25.0)	182	59 (32.4)
2014	206	21 (10.2)	50	21 (42.0)	209	85 (40.7)
2013	203	27 (13.3)	68	20 (29.4)	202	62 (30.7)
2012	216	8 (3.7)	45	4 (8.9)	211	79 (37.4)
2011	221	24 (10.9)	60	16 (26.7)	219	65 (29.7)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
CHIPPEWA						
2019	48	7 (14.6)	14	5 (****)	64	19 (29.7)
2018	69	9 (13.0)	19	6 (****)	80	30 (37.5)
2017	71	7 (9.9)	19	6 (****)	84	22 (26.2)
2016	68	10 (14.7)	27	10 (****)	84	26 (31.0)
2015	130	17 (13.1)	33	11 (33.3)	134	38 (28.4)
2014	85	7 (8.2)	19	4 (****)	85	20 (23.5)
2013	73	11 (15.1)	22	6 (****)	73	29 (39.7)
2012	103	14 (13.6)	24	9 (****)	101	35 (34.7)
2011	74	6 (8.1)	19	4 (****)	72	18 (25.0)
CHISAGO						
2019	107	13 (12.1)	27	9 (****)	149	25 (16.8)
2018	92	19 (20.7)	31	9 (29.0)	136	26 (19.1)
2017	110	14 (12.7)	35	12 (34.3)	157	31 (19.7)
2016	135	18 (13.3)	48	14 (29.2)	193	49 (25.4)
2015	164	8 (4.9)	48	6 (12.5)	163	32 (19.6)
2014	137	11 (8.0)	42	11 (26.2)	137	26 (19.0)
2013	149	10 (6.7)	49	8 (16.3)	147	24 (16.3)
2012	178	18 (10.1)	47	15 (31.9)	178	32 (18.0)
2011	162	10 (6.2)	46	7 (15.2)	162	31 (19.1)
CLAY						
2019	251	36 (14.3)	67	19 (28.4)	304	82 (27.0)
2018	222	37 (16.7)	52	18 (34.6)	290	101 (34.8)
2017	250	24 (9.6)	65	21 (32.3)	327	103 (31.5)
2016	249	30 (12.0)	77	17 (22.1)	326	76 (23.3)
2015	264	21 (8.0)	60	13 (21.7)	272	74 (27.2)
2014	249	16 (6.4)	54	8 (14.8)	250	40 (16.0)
2013	277	22 (7.9)	61	17 (27.9)	277	61 (22.0)
2012	281	28 (10.0)	64	25 (39.1)	278	54 (19.4)
2011	295	23 (7.8)	57	12 (21.1)	284	55 (19.4)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
CLEARWATER						
2019	44	5 (11.4)	15	3 (****)	47	9 (19.1)
2018	32	6 (18.8)	6	4 (****)	43	9 (20.9)
2017	39	5 (12.8)	12	5 (****)	50	12 (24.0)
2016	50	8 (16.0)	14	7 (****)	64	15 (23.4)
2015	47	6 (12.8)	12	4 (****)	48	15 (31.2)
2014	47	1 (2.1)	11	3 (****)	48	11 (22.9)
2013	56	4 (7.1)	13	2 (****)	55	12 (21.8)
2012	51	8 (15.7)	14	5 (****)	50	18 (36.0)
2011	55	2 (3.6)	6	1 (****)	54	8 (14.8)
COOK						
2019	12	1 (****)	6	0	12	6 (****)
2018	23	4 (****)	9	4 (****)	24	8 (****)
2017	31	3 (9.7)	7	1 (****)	35	9 (25.7)
2016	29	5 (****)	5	2 (****)	30	7 (23.3)
2015	27	1 (****)	3	1 (****)	27	9 (****)
2014	22	4 (****)	5	3 (****)	26	13 (****)
2013	24	2 (****)	6	0	24	9 (****)
2012	26	1 (****)	4	1 (****)	26	6 (****)
2011	34	1 (2.9)	5	0	33	5 (15.2)
COTTONWOOD						
2019	61	6 (9.8)	16	5 (****)	71	19 (26.8)
2018	50	17 (34.0)	18	13 (****)	61	17 (27.9)
2017	64	10 (15.6)	23	9 (****)	80	25 (31.2)
2016	65	7 (10.8)	19	6 (****)	83	29 (34.9)
2015	78	9 (11.5)	21	9 (****)	78	26 (33.3)
2014	65	6 (9.2)	8	2 (****)	65	24 (36.9)
2013	64	11 (17.2)	14	6 (****)	64	25 (39.1)
2012	77	13 (16.9)	20	8 (****)	77	31 (40.3)
2011	88	7 (8.0)	26	4 (****)	87	27 (31.0)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
CROW WING						
2019	199	18 (9.0)	48	13 (27.1)	257	67 (26.1)
2018	222	33 (14.9)	74	17 (23.0)	288	69 (24.0)
2017	263	26 (9.9)	42	13 (31.0)	319	94 (29.5)
2016	267	24 (9.0)	77	19 (24.7)	336	82 (24.4)
2015	294	21 (7.1)	79	17 (21.5)	294	70 (23.8)
2014	298	15 (5.0)	72	16 (22.2)	300	52 (17.3)
2013	330	22 (6.7)	80	20 (25.0)	323	55 (17.0)
2012	384	18 (4.7)	87	14 (16.1)	383	65 (17.0)
2011	367	10 (2.7)	62	7 (11.3)	364	58 (15.9)
DAKOTA						
2019	965	137 (14.2)	319	100 (31.3)	1,287	404 (31.4)
2018	952	165 (17.3)	272	91 (33.5)	1,338	386 (28.8)
2017	1,001	109 (10.9)	287	78 (27.2)	1,407	424 (30.1)
2016	1,118	138 (12.3)	385	109 (28.3)	1,527	416 (27.2)
2015	1,315	141 (10.7)	377	103 (27.3)	1,332	423 (31.8)
2014	1,213	127 (10.5)	339	97 (28.6)	1,233	392 (31.8)
2013	1,276	140 (11.0)	366	100 (27.3)	1,262	338 (26.8)
2012	1,467	128 (8.7)	402	90 (22.4)	1,461	412 (28.2)
2011	1,397	124 (8.9)	355	79 (22.3)	1,389	404 (29.1)
DODGE						
2019	63	8 (12.7)	14	5 (****)	79	28 (35.4)
2018	51	6 (11.8)	17	4 (****)	70	23 (32.9)
2017	62	11 (17.7)	24	9 (****)	84	32 (38.1)
2016	69	7 (10.1)	21	6 (****)	92	39 (42.4)
2015	105	9 (8.6)	25	5 (****)	105	42 (40.0)
2014	85	7 (8.2)	20	6 (****)	87	32 (36.8)
2013	92	9 (9.8)	28	6 (****)	92	26 (28.3)
2012	101	12 (11.9)	25	8 (****)	101	34 (33.7)
2011	100	9 (9.0)	24	4 (****)	98	26 (26.5)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
DOUGLAS						
2019	114	10 (8.8)	20	8 (****)	134	43 (32.1)
2018	107	21 (19.6)	31	12 (38.7)	128	47 (36.7)
2017	109	9 (8.3)	23	7 (****)	130	51 (39.2)
2016	121	12 (9.9)	27	8 (****)	147	61 (41.5)
2015	159	17 (10.7)	28	13 (****)	163	69 (42.3)
2014	158	13 (8.2)	27	6 (****)	159	52 (32.7)
2013	182	10 (5.5)	34	5 (14.7)	182	59 (32.4)
2012	164	13 (7.9)	31	9 (29.0)	163	43 (26.4)
2011	154	9 (5.8)	20	4 (****)	154	36 (23.4)
FARIBAULT						
2019	59	13 (22.0)	16	7 (****)	66	28 (42.4)
2018	62	17 (27.4)	28	12 (****)	72	28 (38.9)
2017	55	10 (18.2)	10	2 (****)	64	23 (35.9)
2016	60	9 (15.0)	15	9 (****)	79	24 (30.4)
2015	75	10 (13.3)	19	9 (****)	75	15 (20.0)
2014	70	3 (4.3)	18	6 (****)	71	18 (25.4)
2013	68	5 (7.4)	16	3 (****)	68	11 (16.2)
2012	80	6 (7.5)	20	4 (****)	80	15 (18.8)
2011	66	4 (6.1)	22	2 (****)	65	10 (15.4)
FILLMORE						
2019	65	7 (10.8)	18	5 (****)	82	21 (25.6)
2018	58	8 (13.8)	20	5 (****)	78	31 (39.7)
2017	72	12 (16.7)	17	7 (****)	97	29 (29.9)
2016	69	9 (13.0)	26	7 (****)	95	40 (42.1)
2015	80	11 (13.8)	20	7 (****)	79	25 (31.6)
2014	91	8 (8.8)	26	9 (****)	97	31 (32.0)
2013	76	10 (13.2)	19	4 (****)	76	18 (23.7)
2012	80	8 (10.0)	22	6 (****)	79	22 (27.8)
2011	77	2 (2.6)	14	2 (****)	77	15 (19.5)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
FREEBORN						
2019	157	14 (8.9)	31	8 (25.8)	183	53 (29.0)
2018	128	22 (17.2)	31	12 (38.7)	152	49 (32.2)
2017	155	21 (13.5)	39	15 (38.5)	197	59 (29.9)
2016	152	7 (4.6)	40	6 (15.0)	185	49 (26.5)
2015	178	14 (7.9)	33	5 (15.2)	177	56 (31.6)
2014	188	15 (8.0)	46	12 (26.1)	190	56 (29.5)
2013	215	12 (5.6)	45	10 (22.2)	211	63 (29.9)
2012	228	13 (5.7)	49	9 (18.4)	226	52 (23.0)
2011	219	13 (5.9)	55	10 (18.2)	215	50 (23.3)
GOODHUE						
2019	109	16 (14.7)	26	9 (****)	140	42 (30.0)
2018	117	21 (17.9)	31	13 (41.9)	147	49 (33.3)
2017	120	6 (5.0)	21	3 (****)	150	58 (38.7)
2016	138	17 (12.3)	44	12 (27.3)	181	52 (28.7)
2015	138	12 (8.7)	39	10 (25.6)	139	41 (29.5)
2014	154	17 (11.0)	46	13 (28.3)	160	46 (28.7)
2013	138	12 (8.7)	33	7 (21.2)	136	47 (34.6)
2012	161	19 (11.8)	45	12 (26.7)	160	44 (27.5)
2011	182	14 (7.7)	39	8 (20.5)	181	41 (22.7)
GRANT						
2019	109	16 (14.7)	5	2 (****)	25	10 (****)
2018	18	2 (****)	6	2 (****)	23	6 (****)
2017	17	3 (****)	5	2 (****)	26	14 (****)
2016	27	2 (****)	8	2 (****)	35	9 (25.7)
2015	27	1 (****)	5	1 (****)	27	10 (****)
2014	29	1 (****)	3	1 (****)	29	9 (****)
2013	45	6 (13.3)	9	4 (****)	44	14 (31.8)
2012	30	2 (6.7)	8	2 (****)	30	10 (33.3)
2011	40	1 (2.5)	5	0	40	9 (22.5)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
HENNEPIN						
2019	3,476	760 (21.9)	1,065	433 (40.7)	4,458	1,694 (38.0)
2018	3,676	756 (20.6)	1,076	442 (41.1)	4,949	2,007 (40.6)
2017	4,381	931 (21.3)	1,319	543 (41.2)	5,808	2,339 (40.3)
2016	4,735	960 (20.3)	1,661	644 (38.8)	6,109	2,423 (39.7)
2015	5,079	990 (19.5)	1,602	669 (41.8)	5,101	2,029 (39.8)
2014	5,184	849 (16.4)	1,425	572 (40.1)	5,282	2,314 (43.8)
2013	5,221	883 (16.9)	1,450	529 (36.5)	5,188	2,006 (38.7)
2012	5,499	817 (14.9)	1,406	469 (33.4)	5,456	2,039 (37.4)
2011	5,210	802 (15.4)	1,405	481 (34.2)	5,181	2,032 (39.2)
HOUSTON						
2019	30	5 (16.7)	6	3 (****)	40	7 (17.5)
2018	31	7 (22.6)	9	3 (****)	44	15 (34.1)
2017	43	5 (11.6)	9	2 (****)	66	15 (22.7)
2016	39	5 (12.8)	10	4 (****)	61	15 (24.6)
2015	42	5 (11.9)	14	2 (****)	41	8 (19.5)
2014	55	5 (9.1)	17	4 (****)	55	16 (29.1)
2013	46	5 (10.9)	9	3 (****)	45	9 (20.0)
2012	52	3 (5.8)	7	3 (****)	52	16 (30.8)
2011	54	4 (7.4)	12	3 (****)	54	14 (25.9)
HUBBARD						
2019	84	6 (7.1)	21	4 (****)	103	27 (26.2)
2018	93	18 (19.4)	26	8 (****)	107	38 (35.5)
2017	98	12 (12.2)	26	10 (****)	119	35 (29.4)
2016	94	7 (7.4)	21	6 (****)	113	36 (31.9)
2015	95	4 (4.2)	18	3 (****)	92	33 (35.9)
2014	106	15 (14.2)	35	9 (25.7)	109	47 (43.1)
2013	128	14 (10.9)	34	11 (32.4)	126	32 (25.4)
2012	119	6 (5.0)	28	4 (****)	119	30 (25.2)
2011	100	9 (9.0)	22	8 (****)	100	24 (24.0)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
ISANTI						
2019	129	13 (10.1)	29	12 (****)	172	46 (26.7)
2018	137	28 (20.4)	40	19 (47.5)	190	55 (28.9)
2017	126	15 (11.9)	28	10 (****)	186	38 (20.4)
2016	140	11 (7.9)	42	9 (21.4)	186	42 (22.6)
2015	155	12 (7.7)	39	8 (20.5)	154	29 (18.8)
2014	170	16 (9.4)	39	6 (15.4)	171	45 (26.3)
2013	195	9 (4.6)	38	6 (15.8)	193	37 (19.2)
2012	206	12 (5.8)	46	10 (21.7)	203	38 (18.7)
2011	198	11 (5.6)	40	6 (15.0)	194	48 (24.7)
ITASCA						
2019	154	18 (11.7)	37	15 (40.5)	198	49 (24.7)
2018	163	34 (20.9)	50	24 (48.0)	202	62 (30.7)
2017	176	16 (9.1)	48	9 (18.8)	233	55 (23.6)
2016	179	22 (12.3)	63	20 (31.7)	242	75 (31.0)
2015	190	11 (5.8)	41	11 (26.8)	196	56 (28.6)
2014	224	19 (8.5)	46	10 (21.7)	224	70 (31.2)
2013	215	16 (7.4)	56	11 (19.6)	212	62 (29.2)
2012	247	20 (8.1)	53	12 (22.6)	246	65 (26.4)
2011	233	13 (5.6)	47	10 (21.3)	232	62 (26.7)
JACKSON						
2019	26	5 (****)	5	3 (****)	44	9 (20.5)
2018	24	1 (****)	16	0	30	7 (23.3)
2017	32	7 (21.9)	7	4 (****)	43	15 (34.9)
2016	29	3 (****)	5	1 (****)	41	12 (29.3)
2015	31	3 (9.7)	7	1 (****)	32	11 (34.4)
2014	41	6 (14.6)	7	3 (****)	41	12 (29.3)
2013	32	1 (3.1)	10	0	32	9 (28.1)
2012	41	4 (9.8)	9	3 (****)	41	11 (26.8)
2011	43	3 (7.0)	6	1 (****)	43	15 (34.9)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
KANABEC						
2019	49	9 (18.4)	16	7 (****)	58	23 (39.7)
2018	75	12 (16.0)	8	8 (****)	93	26 (28.0)
2017	71	11 (15.5)	20	7 (****)	88	18 (20.5)
2016	69	8 (11.6)	25	8 (****)	75	19 (25.3)
2015	70	3 (4.3)	16	1 (****)	69	18 (26.1)
2014	68	8 (11.8)	22	9 (****)	68	18 (26.5)
2013	87	6 (6.9)	25	6 (****)	87	21 (24.1)
2012	90	8 (8.9)	21	4 (****)	90	16 (17.8)
2011	57	6 (10.5)	13	5 (****)	56	11 (19.6)
KANDIYOHI						
2019	287	38 (13.2)	69	27 (39.1)	323	77 (23.8)
2018	264	56 (21.2)	76	32 (42.1)	310	72 (23.2)
2017	329	39 (11.9)	85	27 (31.8)	376	91 (24.2)
2016	300	44 (14.7)	100	37 (37.0)	359	73 (20.3)
2015	338	36 (10.7)	71	22 (31.0)	338	60 (17.8)
2014	302	30 (9.9)	79	26 (32.9)	303	82 (27.1)
2013	347	31 (8.9)	86	19 (22.1)	346	49 (14.2)
2012	298	32 (10.7)	66	17 (25.8)	297	54 (18.2)
2011	300	26 (8.7)	61	17 (27.9)	298	61 (20.5)
KITTSOON						
2019	15	1 (****)	3	1 (****)	19	2 (****)
2018	18	3 (****)	8	1 (****)	26	7 (****)
2017	17	1 (****)	4	1 (****)	27	3 (****)
2016	8	0	12	0	11	2 (****)
2015	18	0	2	0	18	2 (****)
2014	21	1 (****)	8	0	21	3 (****)
2013	21	0	3	0	20	1 (****)
2012	23	2 (****)	7	2 (****)	23	6 (****)
2011	24	1 (****)	7	1 (****)	24	6 (****)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
KOOCHICHING						
2019	26	3 (****)	7	1 (****)	39	19 (48.7)
2018	40	6 (15.0)	5	1 (****)	53	24 (45.3)
2017	36	5 (13.9)	6	4 (****)	43	25 (58.1)
2016	45	8 (17.8)	7	7 (****)	57	15 (26.3)
2015	41	4 (9.8)	10	3 (****)	42	11 (26.2)
2014	50	6 (12.0)	8	3 (****)	51	20 (39.2)
2013	66	6 (9.1)	17	5 (****)	65	15 (23.1)
2012	46	3 (6.5)	10	2 (****)	45	18 (40.0)
2011	57	2 (3.5)	11	1 (****)	56	13 (23.2)
LAC QUI PARLE						
2019	19	4 (****)	6	3 (****)	23	11 (****)
2018	20	1 (****)	4	1 (****)	28	9 (****)
2017	25	4 (****)	5	3 (****)	29	12 (****)
2016	25	3 (****)	6	1 (****)	33	9 (27.3)
2015	12	2 (****)	3	1 (****)	12	2 (****)
2014	22	2 (****)	6	0	22	11 (****)
2013	33	4 (12.1)	11	4 (****)	33	19 (57.6)
2012	30	3 (10.0)	8	1 (****)	30	7 (23.3)
2011	26	0	1	0	25	5 (****)
LAKE						
2019	29	5 (****)	9	4 (****)	37	11 (29.7)
2018	29	7 (****)	11	3 (****)	45	9 (20.0)
2017	40	9 (22.5)	11	2 (****)	52	12 (23.1)
2016	38	4 (10.5)	13	4 (****)	41	11 (26.8)
2015	41	5 (12.2)	10	4 (****)	40	9 (22.5)
2014	31	3 (9.7)	7	2 (****)	31	9 (29.0)
2013	37	1 (2.7)	9	1 (****)	37	7 (18.9)
2012	44	3 (6.8)	8	2 (****)	44	4 (9.1)
2011	44	3 (6.8)	12	3 (****)	43	10 (23.3)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
LAKE OF THE WOODS						
2019	17	2 (****)	3	1 (****)	20	9 (****)
2018	11	4 (****)	5	4 (****)	12	2 (****)
2017	13	7 (****)	7	5 (****)	19	10 (****)
2016	17	5 (****)	10	4 (****)	25	5 (****)
2015	14	0	1	0	14	1 (****)
2014	17	2 (****)	2	1 (****)	19	4 (****)
2013	20	4 (****)	7	4 (****)	19	5 (****)
2012	11	1 (****)	4	1 (****)	10	5 (****)
2011	18	1 (****)	8	1 (****)	16	5 (****)
LE SUEUR						
2019	73	10 (13.7)	20	7 (****)	92	28 (30.4)
2018	76	11 (14.5)	18	6 (****)	97	27 (27.8)
2017	103	13 (12.6)	29	10 (****)	133	37 (27.8)
2016	99	8 (8.1)	34	7 (20.6)	129	31 (24.0)
2015	109	10 (9.2)	26	5 (****)	106	27 (25.5)
2014	100	10 (10.0)	22	4 (****)	100	37 (37.0)
2013	89	12 (13.5)	27	7 (****)	89	19 (21.3)
2012	97	7 (7.2)	18	5 (****)	97	26 (26.8)
2011	144	6 (4.2)	35	6 (17.1)	140	35 (25.0)
LINCOLN						
2019	17	0	3	0	18	3 (****)
2018	16	5 (****)	7	4 (****)	21	2 (****)
2017	16	1 (****)	3	0	20	4 (****)
2016	20	1 (****)	6	1 (****)	22	7 (****)
2015	29	2 (****)	5	1 (****)	30	4 (13.3)
2014	23	1 (****)	3	0	24	4 (****)
2013	22	1 (****)	8	1 (****)	22	4 (****)
2012	22	3 (****)	5	2 (****)	22	3 (****)
2011	22	1 (****)	7	0	21	2 (****)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
LYON						
2019	153	9 (5.9)	38	6 (15.8)	172	36 (20.9)
2018	176	31 (17.6)	51	22 (43.1)	201	32 (15.9)
2017	162	15 (9.3)	34	11 (32.4)	198	37 (18.7)
2016	192	20 (10.4)	63	16 (25.4)	216	55 (25.5)
2015	192	16 (8.3)	53	12 (22.6)	194	34 (17.5)
2014	171	17 (9.9)	41	10 (24.4)	172	60 (34.9)
2013	177	16 (9.0)	58	14 (24.1)	175	38 (21.7)
2012	181	7 (3.9)	48	5 (10.4)	181	40 (22.1)
2011	173	18 (10.4)	49	13 (26.5)	173	28 (16.2)
MAHNOMEN						
2019	56	8 (14.3)	38	6 (15.8)	67	19 (28.4)
2018	58	6 (10.3)	16	6 (****)	68	15 (22.1)
2017	55	11 (20.0)	11	6 (****)	76	31 (40.8)
2016	67	14 (20.9)	29	11 (****)	84	29 (34.5)
2015	52	6 (11.5)	12	2 (****)	50	16 (32.0)
2014	73	13 (17.8)	24	9 (****)	75	29 (38.7)
2013	72	6 (8.3)	6	2 (****)	68	28 (41.2)
2012	75	9 (12.0)	14	7 (****)	69	38 (55.1)
2011	72	12 (16.7)	17	6 (****)	72	28 (38.9)
MARSHALL						
2019	34	2 (5.9)	14	1 (****)	51	7 (13.7)
2018	20	2 (****)	22	0	26	4 (****)
2017	36	0	4	0	48	7 (14.6)
2016	33	1 (3.0)	8	1 (****)	44	10 (22.7)
2015	38	1 (2.6)	9	1 (****)	39	9 (23.1)
2014	36	2 (5.6)	12	3 (****)	37	8 (21.6)
2013	53	3 (5.7)	16	2 (****)	53	6 (11.3)
2012	39	5 (12.8)	12	3 (****)	39	8 (20.5)
2011	41	3 (7.3)	10	0	39	9 (23.1)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
MARTIN						
2019	94	13 (13.8)	23	11 (****)	114	47 (41.2)
2018	103	18 (17.5)	11	11 (****)	120	38 (31.7)
2017	89	10 (11.2)	21	8 (****)	117	37 (31.6)
2016	107	15 (14.0)	30	11 (36.7)	124	52 (41.9)
2015	105	15 (14.3)	35	10 (28.6)	104	38 (36.5)
2014	108	17 (15.7)	24	11 (****)	108	36 (33.3)
2013	113	8 (7.1)	26	7 (****)	110	21 (19.1)
2012	107	6 (5.6)	24	3 (****)	106	23 (21.7)
2011	111	16 (14.4)	32	11 (34.4)	109	34 (31.2)
MCLEOD						
2019	116	11 (9.5)	32	5 (15.6)	138	41 (29.7)
2018	116	16 (13.8)	27	8 (****)	140	50 (35.7)
2017	102	7 (6.9)	19	6 (****)	126	33 (26.2)
2016	171	27 (15.8)	55	22 (40.0)	212	63 (29.7)
2015	140	20 (14.3)	34	14 (41.2)	140	41 (29.3)
2014	167	12 (7.2)	29	2 (****)	170	55 (32.4)
2013	164	4 (2.4)	41	2 (4.9)	162	35 (21.6)
2012	177	11 (6.2)	38	8 (21.1)	175	48 (27.4)
2011	157	13 (8.3)	34	7 (20.6)	154	45 (29.2)
MEEKER						
2019	88	6 (6.8)	21	6 (****)	111	20 (18.0)
2018	99	18 (18.2)	26	14 (****)	126	30 (23.8)
2017	101	7 (6.9)	15	5 (****)	121	31 (25.6)
2016	106	8 (7.5)	33	5 (15.2)	123	27 (22.0)
2015	99	9 (9.1)	21	8 (****)	99	24 (24.2)
2014	112	10 (8.9)	26	2 (****)	114	25 (21.9)
2013	121	4 (3.3)	27	4 (****)	121	28 (23.1)
2012	104	4 (3.8)	28	1 (****)	104	14 (13.5)
2011	142	3 (2.1)	33	3 (9.1)	142	24 (16.9)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
MILLE LACS CO						
2019	119	7 (5.9)	24	6 (****)	138	47 (34.1)
2018	109	18 (16.5)	31	11 (35.5)	137	47 (34.3)
2017	152	17 (11.2)	38	10 (26.3)	192	77 (40.1)
2016	133	15 (11.3)	44	12 (27.3)	181	66 (36.5)
2015	138	13 (9.4)	36	9 (25.0)	139	34 (24.5)
2014	142	17 (12.0)	40	13 (32.5)	146	52 (35.6)
2013	153	17 (11.1)	49	13 (26.5)	153	45 (29.4)
2012	199	13 (6.5)	45	7 (15.6)	199	42 (21.1)
2011	158	16 (10.1)	30	11 (36.7)	158	47 (29.7)
MORRISON						
2019	105	8 (7.6)	36	7 (19.4)	133	25 (18.8)
2018	106	23 (21.7)	30	13 (43.3)	150	53 (35.3)
2017	121	5 (4.1)	22	3 (****)	147	41 (27.9)
2016	171	14 (8.2)	48	10 (20.8)	204	57 (27.9)
2015	151	13 (8.6)	28	8 (****)	150	54 (36.0)
2014	163	9 (5.5)	39	11 (28.2)	166	46 (27.7)
2013	192	13 (6.8)	32	6 (18.8)	192	40 (20.8)
2012	177	6 (3.4)	32	3 (9.4)	177	35 (19.8)
2011	166	7 (4.2)	31	3 (9.7)	166	40 (24.1)
MOWER						
2019	247	34 (13.8)	68	27 (39.7)	311	100 (32.2)
2018	215	38 (17.7)	54	17 (31.5)	292	90 (30.8)
2017	234	24 (10.3)	53	15 (28.3)	300	98 (32.7)
2016	238	32 (13.4)	72	23 (31.9)	300	80 (26.7)
2015	229	35 (15.3)	64	19 (29.7)	231	80 (34.6)
2014	259	37 (14.3)	66	23 (34.8)	268	109 (40.7)
2013	264	19 (7.2)	69	16 (23.2)	264	64 (24.2)
2012	270	24 (8.9)	67	19 (28.4)	269	88 (32.7)
2011	252	20 (7.9)	79	17 (21.5)	251	72 (28.7)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
MURRAY						
2019	30	2 (6.7)	8	1 (****)	41	6 (14.6)
2018	29	4 (****)	4	2 (****)	32	5 (15.6)
2017	35	1 (2.9)	7	1 (****)	42	9 (21.4)
2016	36	1 (2.8)	12	1 (****)	46	9 (19.6)
2015	26	0	6	0	25	9 (****)
2014	33	4 (12.1)	10	3 (****)	33	10 (30.3)
2013	36	2 (5.6)	9	1 (****)	36	5 (13.9)
2012	40	1 (2.5)	35	0	38	8 (21.1)
2011	34	1 (2.9)	7	1 (****)	34	6 (17.6)
NICOLLET						
2019	81	10 (12.3)	31	8 (25.8)	102	21 (20.6)
2018	91	18 (19.8)	34	12 (35.3)	116	25 (21.6)
2017	111	20 (18.0)	28	10 (****)	140	43 (30.7)
2016	110	8 (7.3)	30	3 (10.0)	137	38 (27.7)
2015	94	13 (13.8)	29	9 (****)	95	26 (27.4)
2014	137	18 (13.1)	34	7 (20.6)	138	39 (28.3)
2013	133	13 (9.8)	40	11 (27.5)	131	25 (19.1)
2012	119	8 (6.7)	6	6 (****)	119	26 (21.8)
2011	126	9 (7.1)	24	6 (****)	124	26 (21.0)
NOBLES						
2019	204	15 (7.4)	67	11 (16.4)	237	47 (19.8)
2018	227	45 (19.8)	65	25 (38.5)	271	75 (27.7)
2017	217	23 (10.6)	70	15 (21.4)	259	73 (28.2)
2016	244	32 (13.1)	101	24 (23.8)	287	72 (25.1)
2015	211	28 (13.3)	86	21 (24.4)	213	49 (23.0)
2014	220	17 (7.7)	75	18 (24.0)	220	57 (25.9)
2013	240	24 (10.0)	84	20 (23.8)	239	52 (21.8)
2012	214	19 (8.9)	62	12 (19.4)	213	51 (23.9)
2011	191	18 (9.4)	61	12 (19.7)	191	33 (17.3)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
NORMAN						
2019	38	6 (15.8)	10	5 (****)	49	21 (42.9)
2018	33	10 (30.3)	14	5 (****)	42	14 (33.3)
2017	37	7 (18.9)	14	6 (****)	48	15 (31.2)
2016	19	3 (****)	12	2 (****)	23	10 (****)
2015	25	3 (****)	8	3 (****)	23	7 (****)
2014	30	6 (20.0)	8	2 (****)	32	15 (46.9)
2013	31	1 (3.2)	17	1 (****)	29	9 (****)
2012	39	3 (7.7)	17	2 (****)	37	10 (27.0)
2011	34	4 (11.8)	17	4 (****)	32	11 (34.4)
OLMSTED						
2019	495	70 (14.1)	143	52 (36.4)	609	267 (43.8)
2018	467	80 (17.1)	112	46 (41.1)	595	240 (40.3)
2017	558	87 (15.6)	127	51 (40.2)	705	294 (41.7)
2016	593	64 (10.8)	177	47 (26.6)	734	278 (37.9)
2015	571	63 (11.0)	162	44 (27.2)	570	228 (40.0)
2014	678	100 (14.7)	152	31 (20.4)	690	261 (37.8)
2013	698	81 (11.6)	154	37 (24.0)	694	236 (34.0)
2012	719	77 (10.7)	163	39 (23.9)	717	291 (40.6)
2011	703	68 (9.7)	168	41 (24.4)	699	271 (38.8)
OTTER TAIL						
2019	196	36 (18.4)	52	20 (38.5)	239	60 (25.1)
2018	181	39 (21.5)	59	26 (44.1)	235	47 (20.0)
2017	210	24 (11.4)	48	18 (37.5)	258	59 (22.9)
2016	238	23 (9.7)	63	14 (22.2)	283	61 (21.6)
2015	232	16 (6.9)	46	9 (19.6)	233	40 (17.2)
2014	267	10 (3.7)	56	7 (12.5)	267	48 (18.0)
2013	256	20 (7.8)	50	13 (26.0)	252	40 (15.9)
2012	290	18 (6.2)	62	11 (17.7)	289	58 (20.1)
2011	257	15 (5.8)	62	9 (14.5)	255	53 (20.8)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
PENNINGTON						
2019	60	2 (3.3)	13	2 (****)	80	12 (15.0)
2018	66	11 (16.7)	24	8 (****)	87	9 (10.3)
2017	61	5 (8.2)	12	4 (****)	81	23 (28.4)
2016	58	6 (10.3)	15	5 (****)	77	23 (29.9)
2015	76	5 (6.6)	21	5 (****)	76	17 (22.4)
2014	82	7 (8.5)	22	7 (****)	83	25 (30.1)
2013	77	4 (5.2)	19	4 (****)	76	17 (22.4)
2012	102	7 (6.9)	25	5 (****)	101	24 (23.8)
2011	102	5 (4.9)	26	2 (****)	102	21 (20.6)
PINE						
2019	103	16 (15.5)	31	12 (38.7)	117	37 (31.6)
2018	93	23 (24.7)	35	19 (54.3)	112	36 (32.1)
2017	118	18 (15.3)	34	12 (35.3)	157	48 (30.6)
2016	115	16 (13.9)	33	11 (33.3)	153	43 (28.1)
2015	104	10 (9.6)	33	7 (21.2)	103	31 (30.1)
2014	156	12 (7.7)	45	9 (20.0)	157	32 (20.4)
2013	145	7 (4.8)	34	6 (17.6)	144	24 (16.7)
2012	133	6 (4.5)	34	5 (14.7)	131	23 (17.6)
2011	143	6 (4.2)	34	4 (11.8)	143	28 (19.6)
PIPESTONE						
2019	58	6 (10.3)	12	6 (****)	75	14 (18.7)
2018	50	9 (18.0)	13	7 (****)	65	6 (9.2)
2017	60	4 (6.7)	17	4 (****)	73	16 (21.9)
2016	62	2 (3.2)	20	2 (****)	80	12 (15.0)
2015	49	3 (6.1)	14	2 (****)	52	10 (19.2)
2014	48	6 (12.5)	11	1 (****)	51	17 (33.3)
2013	76	7 (9.2)	14	5 (****)	76	14 (18.4)
2012	65	1 (1.5)	17	1 (****)	63	17 (27.0)
2011	51	4 (7.8)	9	3 (****)	51	7 (13.7)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
POLK						
2019	118	16 (13.6)	37	13 (35.1)	152	49 (32.2)
2018	145	26 (17.9)	45	18 (40.0)	193	78 (40.4)
2017	157	26 (16.6)	49	22 (44.9)	201	79 (39.3)
2016	166	20 (12.0)	42	15 (35.7)	212	70 (33.0)
2015	125	21 (16.8)	42	13 (31.0)	129	34 (26.4)
2014	156	18 (11.5)	35	10 (28.6)	157	50 (31.8)
2013	165	13 (7.9)	41	8 (19.5)	163	34 (20.9)
2012	183	16 (8.7)	35	11 (31.4)	183	50 (27.3)
2011	177	16 (9.0)	47	11 (23.4)	175	48 (27.4)
POPE						
2019	25	1 (****)	9	1 (****)	31	8 (25.8)
2018	36	3 (8.3)	14	3 (****)	48	19 (39.6)
2017	51	2 (3.9)	7	2 (****)	65	21 (32.3)
2016	44	2 (4.5)	8	2 (****)	53	18 (34.0)
2015	46	2 (4.3)	10	2 (****)	47	11 (23.4)
2014	54	6 (11.1)	16	5 (****)	56	13 (23.2)
2013	52	3 (5.8)	10	2 (****)	52	14 (26.9)
2012	66	4 (6.1)	13	4 (****)	66	15 (22.7)
2011	66	3 (4.5)	11	1 (****)	66	13 (19.7)
RAMSEY						
2019	2,801	599 (21.4)	832	416 (50.0)	3,414	1,709 (50.1)
2018	3,222	596 (18.5)	1,005	375 (37.3)	3,959	2,016 (50.9)
2017	3,343	643 (19.2)	952	457 (48.0)	4,036	1,848 (45.8)
2016	3,580	598 (16.7)	1,142	431 (37.7)	4,342	2,098 (48.3)
2015	3,198	470 (14.7)	892	347 (38.9)	3,205	1,417 (44.2)
2014	3,804	661 (17.4)	997	369 (37.0)	3,863	1,821 (47.1)
2013	3,908	436 (11.2)	972	290 (29.8)	3,894	1,552 (39.9)
2012	4,006	489 (12.2)	984	321 (32.6)	3,986	1,579 (39.6)
2011	3,698	410 (11.1)	926	284 (30.7)	3,682	1,513 (41.1)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
RED LAKE						
2019	14	1 (****)	1	1 (****)	20	2 (****)
2018	23	5 (****)	7	3 (****)	34	6 (17.6)
2017	17	1 (****)	4	1 (****)	23	5 (****)
2016	23	0	21	0	26	8 (****)
2015	19	1 (****)	3	1 (****)	19	5 (****)
2014	25	2 (****)	3	1 (****)	25	4 (****)
2013	29	0	3	0	29	3 (****)
2012	43	0	24	0	43	4 (9.3)
2011	20	2 (****)	7	1 (****)	20	6 (****)
REDWOOD						
2019	49	4 (8.2)	13	2 (****)	65	15 (23.1)
2018	65	9 (13.8)	21	6 (****)	78	18 (23.1)
2017	75	2 (2.7)	18	1 (****)	84	14 (16.7)
2016	75	6 (8.0)	6	6 (****)	95	19 (20.0)
2015	64	9 (14.1)	22	3 (****)	65	10 (15.4)
2014	75	8 (10.7)	19	5 (****)	75	24 (32.0)
2013	86	4 (4.7)	20	4 (****)	86	15 (17.4)
2012	91	3 (3.3)	3	3 (****)	91	26 (28.6)
2011	93	6 (6.5)	14	2 (****)	93	36 (38.7)
RENVILLE						
2019	68	4 (5.9)	15	2 (****)	85	24 (28.2)
2018	73	9 (12.3)	16	4 (****)	109	32 (29.4)
2017	72	10 (13.9)	15	6 (****)	97	31 (32.0)
2016	100	11 (11.0)	29	8 (****)	122	36 (29.5)
2015	59	9 (15.3)	15	4 (****)	63	23 (36.5)
2014	79	10 (12.7)	19	5 (****)	79	26 (32.9)
2013	86	7 (8.1)	23	7 (****)	86	25 (29.1)
2012	111	4 (3.6)	15	4 (****)	109	29 (26.6)
2011	112	4 (3.6)	20	1 (****)	103	25 (24.3)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
RICE						
2019	236	33 (14.0)	73	27 (37.0)	288	53 (18.4)
2018	272	55 (20.2)	78	34 (43.6)	322	81 (25.2)
2017	279	48 (17.2)	78	32 (41.0)	348	128 (36.8)
2016	295	52 (17.6)	106	37 (34.9)	371	169 (45.6)
2015	249	41 (16.5)	80	31 (38.8)	253	106 (41.9)
2014	285	36 (12.6)	76	28 (36.8)	286	105 (36.7)
2013	307	31 (10.1)	59	19 (32.2)	303	100 (33.0)
2012	368	31 (8.4)	79	25 (31.6)	366	109 (29.8)
2011	335	36 (10.7)	74	19 (25.7)	332	107 (32.2)
ROCK						
2019	20	2 (****)	4	0	29	2 (****)
2018	29	5 (****)	7	2 (****)	31	4 (12.9)
2017	29	6 (****)	11	6 (****)	40	7 (17.5)
2016	35	5 (14.3)	12	3 (****)	47	12 (25.5)
2015	27	4 (****)	9	3 (****)	27	11 (****)
2014	38	3 (7.9)	9	3 (****)	39	10 (25.6)
2013	40	4 (10.0)	14	3 (****)	40	16 (40.0)
2012	45	4 (8.9)	15	4 (****)	45	12 (26.7)
2011	35	5 (14.3)	12	3 (****)	35	8 (22.9)
ROSEAU						
2019	49	5 (10.2)	10	4 (****)	74	18 (24.3)
2018	57	17 (29.8)	24	13 (****)	85	18 (21.2)
2017	84	11 (13.1)	16	7 (****)	110	19 (17.3)
2016	89	7 (7.9)	29	7 (****)	106	21 (19.8)
2015	72	3 (4.2)	17	3 (****)	72	14 (19.4)
2014	80	6 (7.5)	19	2 (****)	82	20 (24.4)
2013	124	8 (6.5)	38	7 (18.4)	123	26 (21.1)
2012	102	2 (2.0)	18	1 (****)	102	18 (17.6)
2011	98	6 (6.1)	27	3 (****)	98	22 (22.4)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
ST. LOUIS						
2019	512	54 (10.5)	114	34 (29.8)	647	161 (24.9)
2018	519	84 (16.2)	131	47 (35.9)	682	189 (27.7)
2017	615	39 (6.3)	151	29 (19.2)	797	197 (24.7)
2016	640	55 (8.6)	205	46 (22.4)	830	194 (23.4)
2015	578	42 (7.3)	156	29 (18.6)	580	141 (24.3)
2014	765	68 (8.9)	181	41 (22.7)	772	189 (24.5)
2013	797	43 (5.4)	192	31 (16.1)	789	180 (22.8)
2012	849	43 (5.1)	195	30 (15.4)	844	206 (24.4)
2011	807	42 (5.2)	181	33 (18.2)	798	157 (19.7)
SCOTT						
2019	280	56 (20.0)	98	36 (36.7)	364	112 (30.8)
2018	269	49 (18.2)	77	25 (32.5)	371	148 (39.9)
2017	313	49 (15.7)	105	39 (37.1)	416	136 (32.7)
2016	346	43 (12.4)	65	24 (36.9)	455	150 (33.0)
2015	216	35 (16.2)	114	34 (29.8)	211	60 (28.4)
2014	367	45 (12.3)	106	35 (33.0)	368	138 (37.5)
2013	361	42 (11.6)	105	33 (31.4)	357	130 (36.4)
2012	422	33 (7.8)	111	22 (19.8)	419	125 (29.8)
2011	375	36 (9.6)	92	21 (22.8)	375	87 (23.2)
SHERBURNE						
2019	221	37 (16.7)	66	25 (37.9)	298	84 (28.2)
2018	219	45 (20.5)	72	24 (33.3)	314	100 (31.8)
2017	241	30 (12.4)	66	17 (25.8)	325	92 (28.3)
2016	293	59 (20.1)	114	50 (43.9)	373	107 (28.7)
2015	230	30 (13.0)	79	25 (31.6)	229	57 (24.9)
2014	275	26 (9.5)	87	23 (26.4)	275	64 (23.3)
2013	308	32 (10.4)	82	22 (26.8)	307	75 (24.4)
2012	315	21 (6.7)	84	19 (22.6)	315	69 (21.9)
2011	221	37 (16.7)	0	0	0	0

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
SIBLEY						
2019	45	5 (11.1)	10	4 (****)	53	13 (24.5)
2018	52	9 (17.3)	19	5 (****)	69	15 (21.7)
2017	65	3 (4.6)	6	2 (****)	79	30 (38.0)
2016	62	9 (14.5)	23	8 (****)	80	31 (38.8)
2015	36	2 (5.6)	2	0	36	13 (36.1)
2014	74	8 (10.8)	14	6 (****)	75	31 (41.3)
2013	69	8 (11.6)	20	7 (****)	69	20 (29.0)
2012	73	7 (9.6)	12	3 (****)	72	28 (38.9)
2011	85	5 (5.9)	22	4 (****)	84	22 (26.2)
STEARNS						
2019	636	102 (16.0)	154	58 (37.7)	793	238 (30.0)
2018	672	113 (16.8)	213	77 (36.2)	865	291 (33.6)
2017	753	133 (17.7)	175	74 (42.3)	924	318 (34.4)
2016	754	104 (13.8)	238	68 (28.6)	930	357 (38.4)
2015	501	61 (12.2)	131	39 (29.8)	516	177 (34.3)
2014	646	87 (13.5)	159	44 (27.7)	647	193 (29.8)
2013	673	62 (9.2)	161	34 (21.1)	669	182 (27.2)
2012	691	56 (8.1)	141	28 (19.9)	687	179 (26.1)
2011	617	47 (7.6)	137	28 (20.4)	614	136 (22.1)
STEELE						
2019	136	15 (11.0)	29	10 (****)	166	56 (33.7)
2018	134	22 (16.4)	42	12 (28.6)	160	40 (25.0)
2017	161	16 (9.9)	38	10 (26.3)	193	61 (31.6)
2016	177	18 (10.2)	55	11 (20.0)	219	63 (28.8)
2015	169	16 (9.5)	43	13 (30.2)	171	55 (32.2)
2014	238	18 (7.6)	50	12 (24.0)	239	68 (28.5)
2013	212	14 (6.6)	53	12 (22.6)	210	56 (26.7)
2012	202	9 (4.5)	39	5 (12.8)	199	55 (27.6)
2011	218	9 (4.1)	37	8 (21.6)	217	51 (23.5)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
STEVENS						
2019	32	3 (9.4)	9	2 (****)	37	11 (29.7)
2018	52	8 (15.4)	13	4 (****)	65	22 (33.8)
2017	37	2 (5.4)	6	1 (****)	40	12 (30.0)
2016	32	7 (21.9)	9	6 (****)	37	14 (37.8)
2015	29	5 (****)	8	5 (****)	29	9 (****)
2014	43	4 (9.3)	10	3 (****)	44	15 (34.1)
2013	54	4 (7.4)	17	2 (****)	54	9 (16.7)
2012	50	3 (6.0)	13	3 (****)	50	9 (18.0)
2011	48	0	9	0	48	9 (18.8)
SWIFT						
2019	41	5 (12.2)	14	4 (****)	48	12 (25.0)
2018	52	11 (21.2)	19	6 (****)	58	19 (32.8)
2017	66	4 (6.1)	20	4 (****)	78	25 (32.1)
2016	42	4 (9.5)	10	2 (****)	58	23 (39.7)
2015	39	2 (5.1)	5	1 (****)	39	7 (17.9)
2014	54	3 (5.6)	15	5 (****)	54	8 (14.8)
2013	67	6 (9.0)	12	4 (****)	66	16 (24.2)
2012	60	4 (6.7)	11	1 (****)	58	15 (25.9)
2011	56	4 (7.1)	13	3 (****)	56	20 (35.7)
TODD						
2019	102	16 (15.7)	27	13 (****)	126	33 (26.2)
2018	121	29 (24.0)	41	19 (46.3)	155	39 (25.2)
2017	112	12 (10.7)	19	5 (****)	138	41 (29.7)
2016	144	10 (6.9)	44	7 (15.9)	170	33 (19.4)
2015	94	9 (9.6)	17	8 (****)	95	23 (24.2)
2014	117	7 (6.0)	22	3 (****)	117	27 (23.1)
2013	142	16 (11.3)	35	10 (28.6)	141	27 (19.1)
2012	167	9 (5.4)	35	4 (11.4)	167	46 (27.5)
2011	137	12 (8.8)	17	4 (****)	137	30 (21.9)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
TRAVERSE						
2019	11	3 (****)	5	2 (****)	14	8 (****)
2018	16	2 (****)	5	1 (****)	21	9 (****)
2017	12	5 (****)	3	3 (****)	17	10 (****)
2016	7	1 (****)	1	0	14	8 (****)
2015	8	3 (****)	2	0	8	1 (****)
2014	7	0	4	0	7	1 (****)
2013	15	0	5	0	15	3 (****)
2012	13	0	4	0	13	5 (****)
2011	19	1 (****)	2	1 (****)	18	7 (****)
WABASHA						
2019	51	11 (21.6)	38	11 (28.9)	67	22 (32.8)
2018	48	18 (37.5)	13	9 (****)	67	32 (47.8)
2017	78	16 (20.5)	38	13 (34.2)	104	38 (36.5)
2016	79	15 (19.0)	30	13 (43.3)	99	27 (27.3)
2015	60	8 (13.3)	20	6 (****)	61	24 (39.3)
2014	70	10 (14.3)	20	8 (****)	70	24 (34.3)
2013	96	5 (5.2)	22	3 (****)	96	15 (15.6)
2012	83	5 (6.0)	16	2 (****)	83	29 (34.9)
2011	81	10 (12.3)	24	8 (****)	81	31 (38.3)
WADENA						
2019	64	4 (6.2)	15	2 (****)	85	16 (18.8)
2018	75	8 (10.7)	19	6 (****)	92	18 (19.6)
2017	79	12 (15.2)	21	6 (****)	99	22 (22.2)
2016	86	9 (10.5)	27	7 (****)	107	31 (29.0)
2015	49	7 (14.3)	14	5 (****)	49	13 (26.5)
2014	63	7 (11.1)	17	5 (****)	63	17 (27.0)
2013	71	11 (15.5)	25	9 (****)	70	17 (24.3)
2012	78	7 (9.0)	26	4 (****)	77	11 (14.3)
2011	78	6 (7.7)	19	5 (****)	78	15 (19.2)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
WASECA						
2019	58	11 (19.0)	23	7 (****)	76	24 (31.6)
2018	86	12 (14.0)	18	7 (****)	110	32 (29.1)
2017	65	5 (7.7)	17	3 (****)	88	29 (33.0)
2016	69	6 (8.7)	19	5 (****)	85	25 (29.4)
2015	61	6 (9.8)	19	5 (****)	62	21 (33.9)
2014	90	11 (12.2)	22	8 (****)	90	29 (32.2)
2013	87	4 (4.6)	16	3 (****)	85	30 (35.3)
2012	91	6 (6.6)	23	6 (****)	89	23 (25.8)
2011	88	5 (5.7)	20	2 (****)	87	16 (18.4)
WASHINGTON						
2019	434	61 (14.1)	121	43 (35.5)	565	181 (32.0)
2018	434	74 (17.1)	137	44 (32.1)	609	222 (36.5)
2017	464	75 (16.2)	131	42 (32.1)	631	184 (29.2)
2016	520	83 (16.0)	191	64 (33.5)	691	216 (31.3)
2015	329	46 (14.0)	108	34 (31.5)	333	89 (26.7)
2014	524	56 (10.7)	133	29 (21.8)	526	148 (28.1)
2013	604	55 (9.1)	158	37 (23.4)	602	161 (26.7)
2012	648	65 (10.0)	183	49 (26.8)	643	146 (22.7)
2011	636	40 (6.3)	163	30 (18.4)	635	160 (25.2)
WATONWAN						
2019	99	16 (16.2)	30	9 (30.0)	115	52 (45.2)
2018	103	21 (20.4)	29	12 (****)	114	41 (36.0)
2017	103	10 (9.7)	11	4 (****)	118	55 (46.6)
2016	98	12 (12.2)	33	10 (30.3)	111	35 (31.5)
2015	75	10 (13.3)	20	8 (****)	76	26 (34.2)
2014	94	9 (9.6)	22	5 (****)	96	26 (27.1)
2013	77	10 (13.0)	16	3 (****)	77	30 (39.0)
2012	99	13 (13.1)	26	8 (****)	98	34 (34.7)
2011	91	9 (9.9)	16	5 (****)	91	26 (28.6)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
WILKIN						
2019	18	3 (****)	8	3 (****)	21	11 (****)
2018	19	2 (****)	15	0	25	9 (****)
2017	33	5 (15.2)	10	4 (****)	44	12 (27.3)
2016	27	3 (****)	15	3 (****)	37	13 (35.1)
2015	17	1 (****)	4	1 (****)	15	6 (****)
2014	26	3 (****)	7	2 (****)	27	12 (****)
2013	32	2 (6.2)	11	2 (****)	31	10 (32.3)
2012	42	6 (14.3)	17	3 (****)	34	18 (52.9)
2011	45	4 (8.9)	12	3 (****)	42	13 (31.0)
WINONA						
2019	109	14 (12.8)	34	14 (41.2)	142	50 (35.2)
2018	112	20 (17.9)	11	11 (****)	148	61 (41.2)
2017	114	11 (9.6)	22	7 (****)	144	49 (34.0)
2016	152	21 (13.8)	43	16 (37.2)	185	49 (26.5)
2015	115	12 (10.4)	25	9 (****)	119	37 (31.1)
2014	148	22 (14.9)	37	13 (35.1)	155	67 (43.2)
2013	179	19 (10.6)	47	17 (36.2)	179	55 (30.7)
2012	176	17 (9.7)	46	13 (28.3)	176	39 (22.2)
2011	190	9 (4.7)	46	7 (15.2)	189	46 (24.3)
WRIGHT						
2019	271	40 (14.8)	73	27 (37.0)	352	110 (31.2)
2018	262	53 (20.2)	77	32 (41.6)	381	112 (29.4)
2017	292	34 (11.6)	75	20 (26.7)	399	98 (24.6)
2016	292	39 (13.4)	116	30 (25.9)	421	100 (23.8)
2015	218	17 (7.8)	80	11 (13.8)	219	59 (26.9)
2014	337	31 (9.2)	97	22 (22.7)	340	75 (22.1)
2013	392	32 (8.2)	119	23 (19.3)	391	57 (14.6)
2012	410	35 (8.5)	89	25 (28.1)	408	93 (22.8)
2011	436	49 (11.2)	126	34 (27.0)	435	86 (19.8)

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
YELLOW MEDICINE						
2019	37	0	7	0	43	11 (25.6)
2018	40	12 (30.0)	16	11 (****)	48	17 (35.4)
2017	46	4 (8.7)	11	4 (****)	59	13 (22.0)
2016	55	8 (14.5)	20	8 (****)	67	21 (31.3)
2015	40	4 (10.0)	14	3 (****)	37	6 (16.2)
2014	61	7 (11.5)	14	5 (****)	61	18 (29.5)
2013	47	4 (8.5)	8	4 (****)	46	12 (26.1)
2012	81	10 (12.3)	22	8 (****)	80	27 (33.8)
2011	74	7 (9.5)	19	6 (****)	71	19 (26.8)

**** percentages suppressed if denominator <30

Suggested Citation: Minnesota WIC Information System. *Multi Year Minnesota WIC pregnancy and postpartum anemia by calendar year and county of residence*. Minnesota WIC Program: 2022.

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

Anemia in Women Participating in MN WIC Delivering During CY 2011 to 2019 by County of Residence

MN WIC Information System

County of Residence ¹	Total Pregnancy ²	Pregnancy Anemia ³	Total Third Trimester ⁴	Third Trimester Anemia ⁵	Total Postpartum ⁶	Postpartum Anemia ⁷
----------------------------------	------------------------------	-------------------------------	------------------------------------	-------------------------------------	-------------------------------	--------------------------------

¹County of residence as of March of the subsequent calendar year

²Total number of women with a valid hemoglobin measurement during pregnancy.

³Total number of women during pregnancy with a low hemoglobin (<11.0 mg/dl for first trimester, <10.5 mg/dl for second trimester, and 11.0 mg/dl for third trimester) (women with a valid hemoglobin measurement).
Most recent hemoglobin measurement by trimester during calendar year used.

⁴Total number of women with a valid hemoglobin measurement during the third trimester of pregnancy. .

⁵Total number of women during the third trimester with a low hemoglobin (<11.0 mg/dl) (women with a valid hemoglobin measurement during the third trimester)

⁵Most recent hemoglobin measurement by trimester during calendar year used.

⁶Total number of women with a valid postpartum hemoglobin measurement.

⁷Total number of women with low hemoglobin (<12.0 mg/dl) (women with valid postpartum hemoglobin).