

Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System

County	Total¹	Anemia² (%)
MINNESOTA		
2019	78,209	10,586 (13.5)
2018	82,556	11,888 (14.4)
2017	87,076	12,432 (14.3)
2016	89,903	11,975 (13.3)
2015	92,777	11,922 (12.9)
2014	94,231	11,151 (11.8)
2013	94,972	10,521 (11.1)
2012	97,573	10,663 (10.9)
2011	102,753	10,944 (10.7)
AITKIN		
2019	210	18 (8.6)
2018	212	33 (15.6)
2017	216	32 (14.8)
2016	227	28 (12.3)
2015	221	20 (9.0)
2014	235	14 (6.0)
2013	274	8 (2.9)
2012	285	11 (3.9)
2011	321	14 (4.4)
ANOKA		
2019	3,962	450 (11.4)
2018	4,015	458 (11.4)
2017	4,054	441 (10.9)
2016	3,989	406 (10.2)
2015	4,345	424 (9.8)
2014	4,419	372 (8.4)
2013	4,221	343 (8.1)
2012	4,465	376 (8.4)
2011	4,719	383 (8.1)
BECKER		
2019	767	37 (4.8)
2018	757	44 (5.8)
2017	750	47 (6.3)
2016	759	43 (5.7)
2015	867	70 (8.1)
2014	891	76 (8.5)
2013	924	78 (8.4)
2012	969	79 (8.2)
2011	999	54 (5.4)
BELTRAMI		
2019	1,371	210 (15.3)
2018	1,394	220 (15.8)
2017	1,463	201 (13.7)
2016	1,602	174 (10.9)
2015	1,640	195 (11.9)
2014	1,804	284 (15.7)
2013	1,834	345 (18.8)
2012	1,839	358 (19.5)
2011	2,027	344 (17.0)

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County	Total¹	Anemia² (%)
BENTON		
2019	648	58 (9.0)
2018	650	72 (11.1)
2017	696	72 (10.3)
2016	702	79 (11.3)
2015	687	78 (11.4)
2014	676	88 (13.0)
2013	644	53 (8.2)
2012	676	54 (8.0)
2011	739	45 (6.1)
BIG STONE		
2019	99	5 (5.1)
2018	91	8 (8.8)
2017	103	9 (8.7)
2016	97	14 (14.4)
2015	93	8 (8.6)
2014	110	5 (4.5)
2013	106	7 (6.6)
2012	128	4 (3.1)
2011	136	3 (2.2)
BLUE EARTH		
2019	814	143 (17.6)
2018	844	238 (28.2)
2017	814	212 (26.0)
2016	884	186 (21.0)
2015	902	145 (16.1)
2014	902	113 (12.5)
2013	935	86 (9.2)
2012	985	98 (9.9)
2011	1,053	120 (11.4)
BROWN		
2019	379	35 (9.2)
2018	406	37 (9.1)
2017	405	27 (6.7)
2016	396	11 (2.8)
2015	421	9 (2.1)
2014	438	16 (3.7)
2013	422	22 (5.2)
2012	445	34 (7.6)
2011	474	33 (7.0)
CARLTON		
2019	538	40 (7.4)
2018	528	40 (7.6)
2017	610	48 (7.9)
2016	604	47 (7.8)
2015	618	45 (7.3)
2014	672	30 (4.5)
2013	711	41 (5.8)
2012	769	32 (4.2)
2011	816	28 (3.4)

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County	Total¹	Anemia² (%)
CARVER		
2019	527	58 (11.0)
2018	559	57 (10.2)
2017	614	67 (10.9)
2016	603	70 (11.6)
2015	601	62 (10.3)
2014	596	48 (8.1)
2013	619	38 (6.1)
2012	642	42 (6.5)
2011	687	51 (7.4)
CASS		
2019	661	88 (13.3)
2018	704	133 (18.9)
2017	686	94 (13.7)
2016	719	105 (14.6)
2015	825	115 (13.9)
2014	785	95 (12.1)
2013	814	102 (12.5)
2012	847	93 (11.0)
2011	956	51 (5.3)
CHIPPEWA		
2019	273	34 (12.5)
2018	310	37 (11.9)
2017	326	67 (20.6)
2016	314	38 (12.1)
2015	311	62 (19.9)
2014	282	50 (17.7)
2013	304	41 (13.5)
2012	287	30 (10.5)
2011	306	29 (9.5)
CHISAGO		
2019	496	45 (9.1)
2018	534	58 (10.9)
2017	586	77 (13.1)
2016	575	71 (12.3)
2015	604	55 (9.1)
2014	598	40 (6.7)
2013	677	34 (5.0)
2012	699	42 (6.0)
2011	742	65 (8.8)
CLAY		
2019	1,056	77 (7.3)
2018	1,157	101 (8.7)
2017	1,203	103 (8.6)
2016	1,180	73 (6.2)
2015	1,164	81 (7.0)
2014	1,137	53 (4.7)
2013	1,123	54 (4.8)
2012	1,133	80 (7.1)
2011	1,163	57 (4.9)

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County	Total¹	Anemia² (%)
CLEARWATER		
2019	172	11 (6.4)
2018	194	24 (12.4)
2017	186	21 (11.3)
2016	168	19 (11.3)
2015	178	21 (11.8)
2014	208	20 (9.6)
2013	212	17 (8.0)
2012	210	30 (14.3)
2011	225	13 (5.8)
COOK		
2019	89	13 (14.6)
2018	104	17 (16.3)
2017	108	14 (13.0)
2016	101	18 (17.8)
2015	118	22 (18.6)
2014	102	13 (12.7)
2013	116	8 (6.9)
2012	113	3 (2.7)
2011	109	11 (10.1)
COTTONWOOD		
2019	252	24 (9.5)
2018	278	38 (13.7)
2017	277	87 (31.4)
2016	273	37 (13.6)
2015	272	50 (18.4)
2014	264	33 (12.5)
2013	287	42 (14.6)
2012	318	65 (20.4)
2011	315	38 (12.1)
CROW WING		
2019	922	87 (9.4)
2018	955	128 (13.4)
2017	1,035	193 (18.6)
2016	1,093	210 (19.2)
2015	1,160	90 (7.8)
2014	1,207	89 (7.4)
2013	1,290	67 (5.2)
2012	1,332	58 (4.4)
2011	1,508	57 (3.8)
DAKOTA		
2019	4,246	399 (9.4)
2018	4,548	463 (10.2)
2017	4,620	429 (9.3)
2016	4,716	456 (9.7)
2015	4,850	433 (8.9)
2014	5,011	396 (7.9)
2013	5,167	423 (8.2)
2012	5,306	461 (8.7)
2011	5,514	458 (8.3)

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County	Total¹	Anemia² (%)
DODGE		
2019	242	34 (14.0)
2018	273	45 (16.5)
2017	279	46 (16.5)
2016	332	51 (15.4)
2015	334	52 (15.6)
2014	346	54 (15.6)
2013	345	52 (15.1)
2012	387	59 (15.2)
2011	413	46 (11.1)
DOUGLAS		
2019	470	77 (16.4)
2018	519	95 (18.3)
2017	581	70 (12.0)
2016	570	89 (15.6)
2015	604	66 (10.9)
2014	663	89 (13.4)
2013	657	66 (10.0)
2012	671	67 (10.0)
2011	720	40 (5.6)
FARIBAULT		
2019	208	26 (12.5)
2018	211	32 (15.2)
2017	219	52 (23.7)
2016	229	43 (18.8)
2015	247	21 (8.5)
2014	278	22 (7.9)
2013	299	33 (11.0)
2012	317	19 (6.0)
2011	347	24 (6.9)
FILLMORE		
2019	279	30 (10.8)
2018	287	41 (14.3)
2017	313	37 (11.8)
2016	314	27 (8.6)
2015	327	30 (9.2)
2014	301	46 (15.3)
2013	292	51 (17.5)
2012	331	62 (18.7)
2011	372	37 (9.9)
FREEBORN		
2019	570	27 (4.7)
2018	570	52 (9.1)
2017	629	63 (10.0)
2016	657	68 (10.4)
2015	749	69 (9.2)
2014	771	58 (7.5)
2013	749	39 (5.2)
2012	806	24 (3.0)
2011	833	47 (5.6)

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County	Total¹	Anemia² (%)
GOODHUE		
2019	466	35 (7.5)
2018	455	52 (11.4)
2017	531	53 (10.0)
2016	533	46 (8.6)
2015	568	52 (9.2)
2014	593	60 (10.1)
2013	639	42 (6.6)
2012	682	42 (6.2)
2011	721	51 (7.1)
GRANT		
2019	94	22 (23.4)
2018	119	23 (19.3)
2017	143	17 (11.9)
2016	146	19 (13.0)
2015	151	15 (9.9)
2014	153	16 (10.5)
2013	134	10 (7.5)
2012	136	9 (6.6)
2011	147	13 (8.8)
HENNEPIN		
2019	14,509	2,671 (18.4)
2018	16,690	3,173 (19.0)
2017	18,437	3,354 (18.2)
2016	19,405	3,459 (17.8)
2015	20,037	3,602 (18.0)
2014	20,519	3,525 (17.2)
2013	20,411	3,331 (16.3)
2012	20,022	3,177 (15.9)
2011	21,471	3,353 (15.6)
HOUSTON		
2019	191	35 (18.3)
2018	184	24 (13.0)
2017	179	21 (11.7)
2016	210	23 (11.0)
2015	210	23 (11.0)
2014	198	23 (11.6)
2013	208	15 (7.2)
2012	215	18 (8.4)
2011	250	18 (7.2)
HUBBARD		
2019	397	28 (7.1)
2018	419	36 (8.6)
2017	430	32 (7.4)
2016	397	26 (6.5)
2015	453	35 (7.7)
2014	429	24 (5.6)
2013	454	30 (6.6)
2012	499	25 (5.0)
2011	520	21 (4.0)

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Minnesota WIC Information System

County	Total¹	Anemia² (%)
ISANTI		
2019	583	35 (6.0)
2018	579	28 (4.8)
2017	630	36 (5.7)
2016	677	34 (5.0)
2015	680	36 (5.3)
2014	647	27 (4.2)
2013	676	21 (3.1)
2012	779	36 (4.6)
2011	781	33 (4.2)
ITASCA		
2019	684	56 (8.2)
2018	680	73 (10.7)
2017	700	52 (7.4)
2016	734	70 (9.5)
2015	782	85 (10.9)
2014	767	68 (8.9)
2013	797	86 (10.8)
2012	850	60 (7.1)
2011	901	68 (7.5)
JACKSON		
2019	135	16 (11.9)
2018	118	23 (19.5)
2017	122	43 (35.2)
2016	137	15 (10.9)
2015	158	16 (10.1)
2014	137	21 (15.3)
2013	157	18 (11.5)
2012	160	33 (20.6)
2011	175	19 (10.9)
KANABEC		
2019	287	41 (14.3)
2018	303	47 (15.5)
2017	294	38 (12.9)
2016	306	45 (14.7)
2015	300	42 (14.0)
2014	318	45 (14.2)
2013	322	47 (14.6)
2012	313	42 (13.4)
2011	355	36 (10.1)
KANDIYOHI		
2019	1,204	158 (13.1)
2018	1,221	132 (10.8)
2017	1,219	139 (11.4)
2016	1,236	130 (10.5)
2015	1,194	136 (11.4)
2014	1,167	113 (9.7)
2013	1,144	124 (10.8)
2012	1,179	132 (11.2)
2011	1,207	114 (9.4)

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Minnesota WIC Information System

County	Total¹	Anemia² (%)
KITTSON		
2019	68	4 (5.9)
2018	92	1 (1.1)
2017	65	3 (4.6)
2016	75	3 (4.0)
2015	86	2 (2.3)
2014	82	2 (2.4)
2013	92	1 (1.1)
2012	99	3 (3.0)
2011	102	6 (5.9)
KOOCHICHING		
2019	129	4 (3.1)
2018	159	15 (9.4)
2017	163	21 (12.9)
2016	158	18 (11.4)
2015	185	11 (5.9)
2014	225	27 (12.0)
2013	215	24 (11.2)
2012	240	29 (12.1)
2011	260	23 (8.8)
LAC QUI PARLE		
2019	66	9 (13.6)
2018	82	4 (4.9)
2017	86	6 (7.0)
2016	89	6 (6.7)
2015	97	7 (7.2)
2014	112	10 (8.9)
2013	125	9 (7.2)
2012	128	6 (4.7)
2011	136	13 (9.6)
LAKE		
2019	148	19 (12.8)
2018	140	14 (10.0)
2017	160	16 (10.0)
2016	155	16 (10.3)
2015	149	23 (15.4)
2014	154	25 (16.2)
2013	143	25 (17.5)
2012	172	12 (7.0)
2011	191	14 (7.3)
LAKE OF THE WOODS		
2019	51	5 (9.8)
2018	62	9 (14.5)
2017	77	22 (28.6)
2016	75	6 (8.0)
2015	72	6 (8.3)
2014	67	9 (13.4)
2013	69	8 (11.6)
2012	60	6 (10.0)
2011	73	11 (15.1)

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County	Total¹	Anemia² (%)
LE SUEUR		
2019	340	47 (13.8)
2018	326	74 (22.7)
2017	408	81 (19.9)
2016	387	37 (9.6)
2015	388	18 (4.6)
2014	393	29 (7.4)
2013	402	23 (5.7)
2012	413	40 (9.7)
2011	427	46 (10.8)
LINCOLN		
2019	87	1 (1.1)
2018	83	3 (3.6)
2017	78	0
2016	92	2 (2.2)
2015	103	3 (2.9)
2014	90	5 (5.6)
2013	97	3 (3.1)
2012	92	9 (9.8)
2011	111	7 (6.3)
LYON		
2019	738	45 (6.1)
2018	761	42 (5.5)
2017	715	45 (6.3)
2016	765	34 (4.4)
2015	751	39 (5.2)
2014	654	27 (4.1)
2013	681	38 (5.6)
2012	705	32 (4.5)
2011	736	30 (4.1)
MAHNOMEN		
2019	258	21 (8.1)
2018	281	22 (7.8)
2017	327	28 (8.6)
2016	306	27 (8.8)
2015	323	37 (11.5)
2014	348	19 (5.5)
2013	349	39 (11.2)
2012	335	45 (13.4)
2011	339	28 (8.3)
MARSHALL		
2019	172	5 (2.9)
2018	167	2 (1.2)
2017	200	5 (2.5)
2016	201	8 (4.0)
2015	191	7 (3.7)
2014	203	2 (1.0)
2013	184	4 (2.2)
2012	186	12 (6.5)
2011	211	7 (3.3)

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County	Total¹	Anemia² (%)
MARTIN		
2019	367	27 (7.4)
2018	342	49 (14.3)
2017	394	50 (12.7)
2016	408	36 (8.8)
2015	408	80 (19.6)
2014	446	66 (14.8)
2013	400	34 (8.5)
2012	430	40 (9.3)
2011	456	41 (9.0)
MCLEOD		
2019	519	50 (9.6)
2018	530	66 (12.5)
2017	572	76 (13.3)
2016	579	65 (11.2)
2015	608	75 (12.3)
2014	640	45 (7.0)
2013	637	52 (8.2)
2012	630	42 (6.7)
2011	735	54 (7.3)
MEEKER		
2019	401	38 (9.5)
2018	391	46 (11.8)
2017	418	62 (14.8)
2016	408	50 (12.3)
2015	410	37 (9.0)
2014	415	39 (9.4)
2013	444	30 (6.8)
2012	482	13 (2.7)
2011	530	32 (6.0)
MILLE LACS COUNTY		
2019	547	79 (14.4)
2018	581	66 (11.4)
2017	571	79 (13.8)
2016	552	89 (16.1)
2015	589	60 (10.2)
2014	598	104 (17.4)
2013	619	75 (12.1)
2012	649	52 (8.0)
2011	766	66 (8.6)
MORRISON		
2019	476	53 (11.1)
2018	534	61 (11.4)
2017	617	48 (7.8)
2016	663	41 (6.2)
2015	697	57 (8.2)
2014	678	44 (6.5)
2013	679	54 (8.0)
2012	740	58 (7.8)
2011	794	56 (7.1)

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County	Total¹	Anemia² (%)
MOWER		
2019	934	102 (10.9)
2018	897	90 (10.0)
2017	922	81 (8.8)
2016	918	90 (9.8)
2015	934	101 (10.8)
2014	952	110 (11.6)
2013	1,065	85 (8.0)
2012	1,141	102 (8.9)
2011	1,138	110 (9.7)
MURRAY		
2019	114	9 (7.9)
2018	129	6 (4.7)
2017	144	9 (6.2)
2016	140	5 (3.6)
2015	145	16 (11.0)
2014	140	7 (5.0)
2013	152	6 (3.9)
2012	155	5 (3.2)
2011	145	7 (4.8)
NICOLLET		
2019	401	42 (10.5)
2018	400	48 (12.0)
2017	399	53 (13.3)
2016	461	47 (10.2)
2015	491	40 (8.1)
2014	501	29 (5.8)
2013	460	28 (6.1)
2012	488	24 (4.9)
2011	487	24 (4.9)
NOBLES		
2019	848	25 (2.9)
2018	855	63 (7.4)
2017	848	58 (6.8)
2016	864	40 (4.6)
2015	786	60 (7.6)
2014	811	44 (5.4)
2013	796	53 (6.7)
2012	809	46 (5.7)
2011	822	36 (4.4)
NORMAN		
2019	143	9 (6.3)
2018	129	17 (13.2)
2017	127	13 (10.2)
2016	132	7 (5.3)
2015	139	8 (5.8)
2014	146	11 (7.5)
2013	124	4 (3.2)
2012	139	7 (5.0)
2011	157	8 (5.1)

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County	Total¹	Anemia² (%)
OLMSTED		
2019	2260	426 (18.8)
2018	2,300	449 (19.5)
2017	2,386	448 (18.8)
2016	2,459	385 (15.7)
2015	2,568	386 (15.0)
2014	2,696	321 (11.9)
2013	2,685	342 (12.7)
2012	2,862	384 (13.4)
2011	3,015	370 (12.3)
OTTER TAIL		
2019	916	57 (6.2)
2018	920	56 (6.1)
2017	977	70 (7.2)
2016	961	59 (6.1)
2015	1,001	80 (8.0)
2014	981	62 (6.3)
2013	947	50 (5.3)
2012	1,023	63 (6.2)
2011	1,102	61 (5.5)
PENNINGTON		
2019	279	9 (3.2)
2018	295	11 (3.7)
2017	276	7 (2.5)
2016	338	12 (3.6)
2015	341	14 (4.1)
2014	314	12 (3.8)
2013	344	20 (5.8)
2012	379	20 (5.3)
2011	380	22 (5.8)
PINE		
2019	465	87 (18.7)
2018	461	64 (13.9)
2017	488	74 (15.2)
2016	483	62 (12.8)
2015	547	68 (12.4)
2014	484	44 (9.1)
2013	479	32 (6.7)
2012	565	50 (8.8)
2011	648	71 (11.0)
PIPESTONE		
2019	236	11 (4.7)
2018	242	8 (3.3)
2017	272	10 (3.7)
2016	269	10 (3.7)
2015	294	9 (3.1)
2014	286	6 (2.1)
2013	266	11 (4.1)
2012	281	8 (2.8)
2011	283	7 (2.5)

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County	Total¹	Anemia² (%)
POLK		
2019	635	11 (1.7)
2018	684	17 (2.5)
2017	711	80 (11.3)
2016	672	47 (7.0)
2015	714	51 (7.1)
2014	748	48 (6.4)
2013	733	57 (7.8)
2012	775	77 (9.9)
2011	817	70 (8.6)
POPE		
2019	169	18 (10.7)
2018	179	18 (10.1)
2017	160	19 (11.9)
2016	194	18 (9.3)
2015	197	7 (3.6)
2014	195	15 (7.7)
2013	205	12 (5.9)
2012	249	18 (7.2)
2011	248	17 (6.9)
RAMSEY		
2019	12,453	2,659 (21.4)
2018	12,978	2,666 (20.5)
2017	13,608	2,736 (20.1)
2016	14,348	2,716 (18.9)
2015	14,585	2,464 (16.9)
2014	14,822	2,338 (15.8)
2013	14,713	2,107 (14.3)
2012	14,586	2,203 (15.1)
2011	14,525	2,307 (15.9)
RED LAKE COUNTY		
2019	84	3 (3.6)
2018	95	3 (3.2)
2017	103	6 (5.8)
2016	121	3 (2.5)
2015	117	4 (3.4)
2014	107	4 (3.7)
2013	114	5 (4.4)
2012	105	4 (3.8)
2011	103	4 (3.9)
REDWOOD		
2019	286	14 (4.9)
2018	301	16 (5.3)
2017	314	11 (3.5)
2016	289	15 (5.2)
2015	303	21 (6.9)
2014	331	20 (6.0)
2013	349	13 (3.7)
2012	370	29 (7.8)
2011	420	32 (7.6)

Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System

County	Total¹	Anemia² (%)
RENVILLE		
2019	325	43 (13.2)
2018	343	41 (12.0)
2017	333	31 (9.3)
2016	359	39 (10.9)
2015	377	42 (11.1)
2014	339	40 (11.8)
2013	389	41 (10.5)
2012	407	27 (6.6)
2011	414	31 (7.5)
RICE		
2019	1,052	95 (9.0)
2018	1,098	145 (13.2)
2017	1,193	220 (18.4)
2016	1,135	204 (18.0)
2015	1,158	172 (14.9)
2014	1,229	191 (15.5)
2013	1,271	183 (14.4)
2012	1,345	141 (10.5)
2011	1,356	161 (11.9)
ROCK		
2019	133	18 (13.5)
2018	125	16 (12.8)
2017	135	11 (8.1)
2016	158	10 (6.3)
2015	156	19 (12.2)
2014	165	22 (13.3)
2013	185	17 (9.2)
2012	164	11 (6.7)
2011	148	8 (5.4)
ROSEAU		
2019	310	15 (4.8)
2018	340	9 (2.6)
2017	362	17 (4.7)
2016	358	18 (5.0)
2015	391	17 (4.3)
2014	433	24 (5.5)
2013	430	18 (4.2)
2012	388	18 (4.6)
2011	416	25 (6.0)
SAINT LOUIS		
2019	2,053	157 (7.6)
2018	2,225	198 (8.9)
2017	2,387	161 (6.7)
2016	2,456	173 (7.0)
2015	2,560	180 (7.0)
2014	2,557	148 (5.8)
2013	2,699	172 (6.4)
2012	2,936	161 (5.5)
2011	3,254	222 (6.8)

Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System

County	Total¹	Anemia² (%)
SCOTT		
2019	1,326	139 (10.5)
2018	1,341	206 (15.4)
2017	1,429	216 (15.1)
2016	1,441	163 (11.3)
2015	1,489	185 (12.4)
2014	1,504	171 (11.4)
2013	1,491	142 (9.5)
2012	1,551	164 (10.6)
2011	1,659	167 (10.1)
SHERBURNE		
2019	1,064	85 (8.0)
2018	1,090	109 (10.0)
2017	1,106	117 (10.6)
2016	1,197	103 (8.6)
2015	1,182	86 (7.3)
2014	1,165	97 (8.3)
2013	1,141	95 (8.3)
2012	1,267	82 (6.5)
2011	1,348	67 (5.0)
SIBLEY		
2019	206	14 (6.8)
2018	231	13 (5.6)
2017	246	14 (5.7)
2016	298	21 (7.0)
2015	307	18 (5.9)
2014	294	25 (8.5)
2013	304	22 (7.2)
2012	334	21 (6.3)
2011	378	37 (9.8)
STEARNS		
2019	2,926	327 (11.2)
2018	2,954	363 (12.3)
2017	2,960	378 (12.8)
2016	2,843	342 (12.0)
2015	2,692	336 (12.5)
2014	2,615	276 (10.6)
2013	2,512	195 (7.8)
2012	2,494	180 (7.2)
2011	2,555	176 (6.9)
STEELE		
2019	621	67 (10.8)
2018	633	21 (3.3)
2017	688	27 (3.9)
2016	770	57 (7.4)
2015	767	81 (10.6)
2014	768	48 (6.2)
2013	826	42 (5.1)
2012	839	22 (2.6)
2011	927	42 (4.5)

Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System

County	Total¹	Anemia² (%)
STEVENS		
2019	159	27 (17.0)
2018	155	29 (18.7)
2017	141	10 (7.1)
2016	149	15 (10.1)
2015	154	13 (8.4)
2014	181	12 (6.6)
2013	165	10 (6.1)
2012	184	4 (2.2)
2011	212	9 (4.2)
SWIFT		
2019	198	29 (14.6)
2018	207	20 (9.7)
2017	196	26 (13.3)
2016	230	20 (8.7)
2015	252	34 (13.5)
2014	241	20 (8.3)
2013	226	19 (8.4)
2012	264	29 (11.0)
2011	271	19 (7.0)
TODD		
2019	491	28 (5.7)
2018	513	38 (7.4)
2017	523	50 (9.6)
2016	518	21 (4.1)
2015	570	27 (4.7)
2014	552	23 (4.2)
2013	564	35 (6.2)
2012	588	35 (6.0)
2011	617	35 (5.7)
TRAVERSE		
2019	56	10 (17.9)
2018	62	2 (3.2)
2017	65	9 (13.8)
2016	55	4 (7.3)
2015	55	7 (12.7)
2014	63	3 (4.8)
2013	65	3 (4.6)
2012	79	4 (5.1)
2011	67	4 (6.0)
WABASHA		
2019	228	13 (5.7)
2018	218	14 (6.4)
2017	251	17 (6.8)
2016	289	32 (11.1)
2015	285	30 (10.5)
2014	295	15 (5.1)
2013	291	22 (7.6)
2012	322	22 (6.8)
2011	333	24 (7.2)

Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System

County	Total¹	Anemia² (%)
WADENA		
2019	273	9 (3.3)
2018	255	24 (9.4)
2017	287	30 (10.5)
2016	277	12 (4.3)
2015	280	24 (8.6)
2014	247	25 (10.1)
2013	248	24 (9.7)
2012	302	21 (7.0)
2011	296	14 (4.7)
WASECA		
2019	299	41 (13.7)
2018	287	43 (15.0)
2017	315	47 (14.9)
2016	352	48 (13.6)
2015	335	48 (14.3)
2014	322	26 (8.1)
2013	341	22 (6.5)
2012	388	35 (9.0)
2011	401	35 (8.7)
WASHINGTON		
2019	1,804	174 (9.6)
2018	1,812	203 (11.2)
2017	1,905	215 (11.3)
2016	1,978	202 (10.2)
2015	2,181	212 (9.7)
2014	2,228	146 (6.6)
2013	2,329	181 (7.8)
2012	2,492	194 (7.8)
2011	2,560	205 (8.0)
WATONWAN		
2019	291	19 (6.5)
2018	321	21 (6.5)
2017	312	27 (8.7)
2016	318	19 (6.0)
2015	305	21 (6.9)
2014	294	33 (11.2)
2013	302	18 (6.0)
2012	333	30 (9.0)
2011	364	18 (4.9)
WILKIN		
2019	90	11 (12.2)
2018	102	10 (9.8)
2017	104	10 (9.6)
2016	87	14 (16.1)
2015	86	10 (11.6)
2014	111	9 (8.1)
2013	143	11 (7.7)
2012	149	11 (7.4)
2011	172	25 (14.5)

**Anemia in Infants and Children Participating in Minnesota WIC by Calendar Year and County of Residence
Minnesota WIC Information System**

County	Total¹	Anemia² (%)
WINONA		
2019	439	65 (14.8)
2018	449	77 (17.1)
2017	490	98 (20.0)
2016	538	108 (20.1)
2015	580	124 (21.4)
2014	624	104 (16.7)
2013	668	107 (16.0)
2012	676	98 (14.5)
2011	706	93 (13.2)
WRIGHT		
2019	1,311	172 (13.1)
2018	1,335	180 (13.5)
2017	1,387	167 (12.0)
2016	1,435	147 (10.2)
2015	1,502	137 (9.1)
2014	1,528	106 (6.9)
2013	1,634	97 (5.9)
2012	1,742	122 (7.0)
2011	1,860	145 (7.8)
YELLOW MEDICINE		
2019	163	16 (9.8)
2018	196	18 (9.2)
2017	217	23 (10.6)
2016	215	19 (8.8)
2015	223	43 (19.3)
2014	233	37 (15.9)
2013	216	27 (12.5)
2012	246	37 (15.0)
2011	260	28 (10.8)

Number of children by Anemia status (percentage per 100)

**** percentages suppressed if denominator < 30

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

¹ Total number of infants and children with valid hemoglobin measurements during the calendar year.

² Number of low hemoglobin measurements (percentage of total number infants and children with hemoglobin measurements during the calendar year. Low hemoglobin is <11.0 for infants/children <2 years of age and <11.1 for children > 2 years.