

Definition/Description:

Fertility rate is the ratio of the number of pregnancies for females aged 15-49 in a given period, to the total female population ages 15-49.

Note: **Does not** include multiple births.

Calculation:

$$\frac{\text{Number of livebirths, stillbirths, therapeutic and spontaneous abortions for females (age 15-49) x 1000}}{\text{Total Females aged 15-49 at mid year}}$$

Limitations

- 1) Miscarriages (spontaneous abortions) requiring no medical intervention and abortions performed outside of Manitoba hospitals cannot be included in this calculation.
- 2) Pregnancies under 15 are excluded from this calculation.

The number of pregnancies are often used to measure fertility in a population. Pregnancy rates include all live births, stillbirths and abortions per 1000 females ages 15-49 years old. Pregnancies to females under the age of 15 are excluded from the calculation, also excluded due to the lack of information are miscarriages requiring no medical intervention and abortions performed outside Manitoba Hospitals.

Information is presented at the regional, community area and neighbourhood cluster levels for the period of time from 1994/1995 to 2002/2003.

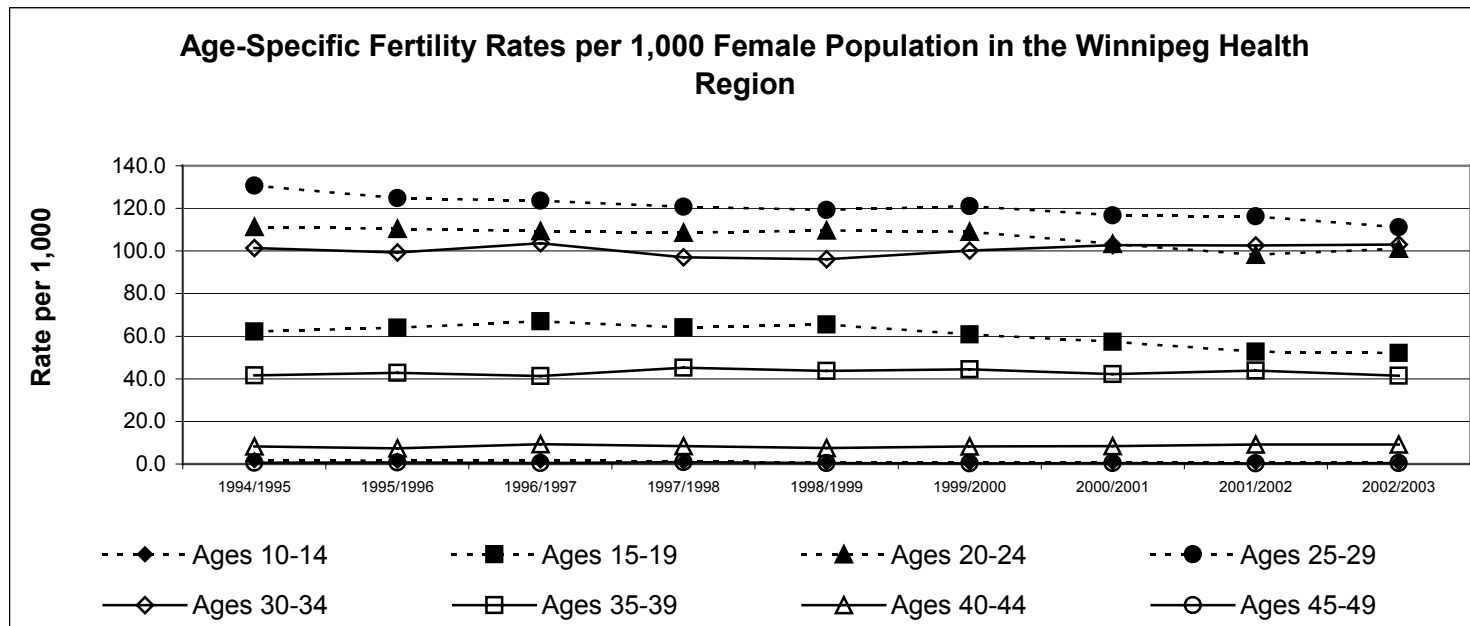
Source:

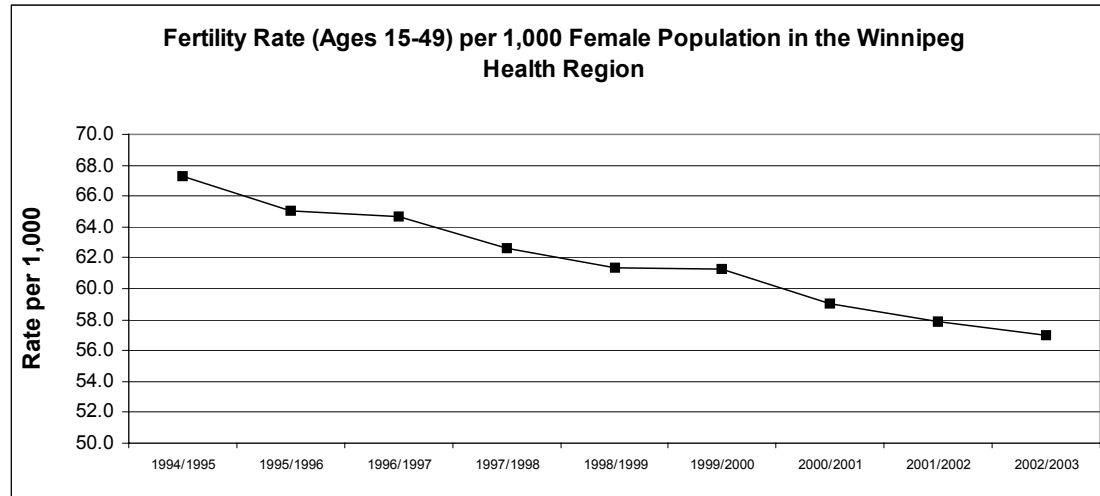
Numerator from Manitoba Health Hospital Abstract Database, Manitoba Health, Decision Support Services (includes Deliveries, Therapeutic Abortions and Spontaneous Abortions).
Denominator from Manitoba Health, Decision Support Services population file.

Findings:

Age Specific Fertility Rates per 1000 females in the Winnipeg Health Region

FiscalYear	1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
Ages 10-14	1.8	1.5	1.6	1.2	0.7	0.7	1.0	0.9	0.8
Ages 15-19	62.1	64.0	66.9	64.2	65.4	60.8	57.3	52.8	52.1
Ages 20-24	111.3	110.5	109.4	108.6	109.6	109.0	103.3	98.2	101.1
Ages 25-29	130.7	124.8	123.6	120.8	119.2	121.1	116.7	116.3	111.2
Ages 30-34	101.3	99.3	103.6	97.0	96.1	100.1	102.7	102.5	103.0
Ages 35-39	41.6	42.7	41.2	45.2	43.7	44.5	42.2	43.9	41.5
Ages 40-44	8.3	7.3	9.3	8.3	7.5	8.3	8.4	9.2	9.2
Ages 45-49	0.6	0.8	0.5	0.8	0.4	0.3	0.4	0.2	0.5
Ages 10-49	60.6	58.5	58.1	56.1	54.9	54.7	52.7	51.5	50.7
Ages 15-49	67.3	65.1	64.6	62.6	61.4	61.3	59.1	57.9	57.0





Fertility Rate by Community Area, 1994/1995 to 2002/2003

Community Area	Fertility Rate per 1000								
	1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
00 - UNKNOWN	75.8	63.1	47.1	77.9	61.5				
01 - ST.JAMES - ASSINIBOIA	60.7	60.4	58.7	57.5	55.8	55.6	50.4	53.5	48.1
02 - ASSINIBOINE SOUTH	50.3	44.8	43.5	42.0	40.8	42.0	40.2	37.2	38.9
03 - FORT GARRY	54.4	56.7	55.1	54.3	53.0	51.9	49.5	49.9	47.7
04 - ST. VITAL	64.7	63.1	59.2	53.7	58.4	52.5	51.3	50.2	48.9
05 - ST.BONIFACE	61.7	57.1	60.1	56.2	55.7	56.4	53.1	54.8	52.2
06 - TRANSCONA	63.8	62.7	62.1	57.6	56.0	58.6	55.2	53.3	52.7
07 - RIVER EAST	65.3	63.5	60.3	63.1	60.1	62.4	57.0	54.9	55.1
08 - SEVEN OAKS	60.2	60.4	62.1	59.1	57.7	57.2	55.4	52.8	55.0
09 - INKSTER	78.6	81.1	78.7	74.0	70.4	76.1	72.0	70.8	69.7
10 - POINT DOUGLAS	94.4	92.3	92.3	94.7	91.0	90.5	92.4	87.8	91.3
11 - DOWNTOWN	94.5	86.6	90.2	83.2	84.0	82.5	83.0	79.9	81.4
12 - RIVER HEIGHTS	60.1	55.8	58.9	57.3	54.5	54.6	53.9	52.8	46.9
Winnipeg Health Region	67.3	65.1	64.6	62.6	61.4	61.3	59.1	57.9	57.0

Fertility Rate by Community Area, 1994/1995 to 2002/2003

NC	Neighbourhood Cluster	Fertility Rate per 1000								
		1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
	Unknown	75.8	63.1	47.1	77.9	61.5				
01A	St. James - Assiniboia W	52.4	53.6	49.9	51.3	49.6	49.7	46.5	47.6	42.6
01B	St. James - Assiniboia E	71.4	69.1	69.7	65.3	63.4	62.8	55.1	60.4	54.4
002	Assiniboine South	50.3	44.8	43.5	42.0	40.8	42.0	40.2	37.2	38.9
03A	Fort Garry North	52.8	54.9	55.7	53.8	52.1	50.0	44.0	50.8	41.5
03B	Fort Garry South	55.5	57.8	54.7	54.7	53.5	53.2	53.3	49.3	52.1
04A	St. Vital North	73.1	71.0	68.2	60.2	69.1	61.2	61.6	58.4	60.2
04B	St. Vital South	58.4	57.2	52.6	49.0	50.7	46.4	44.0	44.3	40.9
05A	St. Boniface West	68.8	67.9	66.1	63.6	60.1	60.8	56.1	56.6	55.0
05B	St. Boniface East	58.2	51.7	57.1	52.6	53.5	54.3	51.6	53.9	50.9
006	Transcona	63.8	62.7	62.1	57.6	56.0	58.6	55.2	53.3	52.7
07A	River East South	91.1	87.5	86.7	83.3	79.7	86.5	81.4	71.7	77.3
07B	River East West	56.6	57.4	51.7	55.7	51.3	54.9	49.9	51.1	50.2
07C	River East East	67.0	62.7	61.2	64.6	63.6	64.5	57.6	54.1	55.1
07D	River East North	31.8	34.5	32.2	43.7	40.3	32.2	31.3	36.7	27.7
08A	Seven Oaks West	60.3	56.7	59.6	62.9	61.0	62.3	57.8	55.0	58.4
08B	Seven Oaks East	61.0	64.6	64.9	58.7	56.5	55.1	54.7	53.1	54.7
08C	Seven Oaks North	51.1	46.3	53.4	38.3	48.9	44.4	47.7	38.1	38.9
09A	Inkster West	69.7	70.6	68.5	65.8	57.7	61.3	58.4	55.5	59.2
09B	Inkster East	92.3	97.3	94.2	86.5	89.9	98.1	92.1	92.7	84.6
10A	Point Douglas North	84.5	85.3	86.7	84.5	84.0	83.6	86.3	76.4	79.7
10B	Point Douglas South	113.5	106.1	103.7	116.1	106.3	105.5	105.7	112.5	115.7
11A	Downtown West	86.4	81.5	80.5	74.2	76.2	74.6	76.0	72.3	74.0
11B	Downtown East	104.1	92.6	102.3	94.1	93.5	92.2	91.4	88.8	89.6
12A	River Heights West	57.4	55.7	56.8	55.7	50.2	51.4	52.7	48.6	45.5
12B	River Heights East	64.1	55.9	62.4	59.8	61.3	59.7	55.7	59.4	49.1
	Winnipeg Health Region	67.3	65.1	64.6	62.6	61.4	61.3	59.1	57.9	57.0

Number of Pregnancies by Community Area in the Winnipeg Health Region, 1994/1995 to 2002/2003

Community Area	Pregnancies								
	1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
00 - UNKNOWN	68	54	49	71	68				
01 - ST.JAMES - ASSINIBOIA	956	938	894	867	823	819	735	774	692
02 - ASSINIBOINE SOUTH	508	450	424	405	387	396	378	348	361
03 - FORT GARRY	926	968	936	923	888	882	839	848	810
04 - ST. VITAL	1111	1084	1006	910	969	866	834	811	787
05 - ST.BONIFACE	749	691	721	670	666	678	644	666	639
06 - TRANSCONA	566	555	543	503	480	533	497	474	464
07 - RIVER EAST	1580	1530	1441	1494	1414	1469	1351	1294	1293
08 - SEVEN OAKS	909	917	943	893	864	854	825	780	807
09 - INKSTER	681	698	677	634	591	642	602	594	581
10 - POINT DOUGLAS	977	946	915	923	868	863	892	853	902
11 - DOWNTOWN	1840	1674	1701	1565	1545	1515	1557	1513	1558
12 - RIVER HEIGHTS	981	901	933	891	834	837	825	806	716
Winnipeg Health Region	11852	11406	11183	10749	10397	10354	9979	9761	9610

Number of Pregnancies by Neighbourhood Cluster in the Winnipeg Health Region , 1994/1995 to 2002/2003

NC	Neighbourhood Cluster	Pregnancies								
		1994/1995	1995/1996	1996/1997	1997/1998	1998/1999	1999/2000	2000/2001	2001/2002	2002/2003
	Unknown	68	54	49	71	68				
01A	St. James - Assiniboia W	467	468	425	430	402	402	370	374	331
01B	St. James - Assiniboia E	489	470	469	437	421	417	365	400	361
002	Assiniboine South	508	450	424	405	387	396	378	348	361
03A	Fort Garry North	352	371	376	366	355	347	307	354	293
03B	Fort Garry South	574	597	560	557	533	535	532	494	517
04A	St. Vital North	540	521	490	432	481	419	415	393	403
04B	St. Vital South	571	563	516	478	488	447	419	418	384
05A	St. Boniface West	279	272	264	249	235	235	221	222	214
05B	St. Boniface East	470	419	457	421	431	443	423	444	425
006	Transcona	566	555	543	503	480	533	497	474	464
07A	River East South	440	417	410	391	373	405	382	337	365
07B	River East West	556	555	499	532	479	505	459	463	448
07C	River East East	534	501	477	493	485	494	445	415	418
07D	River East North	50	57	55	78	77	65	65	79	62
08A	Seven Oaks West	367	344	361	377	359	367	337	316	333
08B	Seven Oaks East	499	532	532	480	458	442	439	424	433
08C	Seven Oaks North	43	41	50	36	47	45	49	40	41
09A	Inkster West	366	369	355	341	293	309	291	274	290
09B	Inkster East	315	329	322	293	298	333	311	320	291
10A	Point Douglas North	577	580	576	558	548	543	568	509	534
10B	Point Douglas South	400	366	339	365	320	320	324	344	368
11A	Downtown West	913	859	837	766	771	752	771	733	745
11B	Downtown East	927	815	864	799	774	763	786	780	813
12A	River Heights West	571	550	549	531	472	485	496	452	422
12B	River Heights East	410	351	384	360	362	352	329	354	294
	Winnipeg Health Region	11852	11406	11183	10749	10397	10354	9979	9761	9610

Highlights:

- Pregnancy rates in the WHR have decreased every year over the period from 1994/1995 to 2002/2003.
- The WHR pregnancy rate has decreased from 67 pregnancies per 1000 women in 1994/1995 to 57 pregnancies per 1000 women in 2002/2003.
- Pregnancy rates by neighbourhood cluster vary from a low of approximately 28 pregnancies per 1000 females to a high of approximately 116 per 1000 females in 2002/2003. The highest pregnancy rates continue to occur to women aged 25-29 years of age.