

# Advancing Health Equity in Health Care

## Equity Trends over Time: Summary Tables

Equity trends using Disparity Rate Ratio (DRR), Disparity Rate Difference (DRD), and gini coefficients are shown in Table 1. Also included are trends in the overall population rates. See the [Methods and Technical Document](#) for more information on interpreting equity measures and a complete table of data results.

**Table 1: Rates per 1000, Inequality Measures and Trends over Time, Saskatoon, 1995 to 2011.**

Indicator	Data Type	Rate/1000	DRR	DRD	GINI
Cancer	Hospitalizations	↓	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1995: 7.20	1995: 1.13	1995: 0.92	1995: 0.13
		2011: 4.66	2011: 1.18	2011: 0.84	2011: 0.04
	Physician Visits	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1996: 5.66	1996: 3.91	1996: 6.13	1996: 0.25
2009: 7.54	2009: 5.56	2009: 11.09	2009: 0.28		
COPD	Hospitalizations	↓	<b>NS</b>	<b>NS</b>	↓
		1995: 2.82	1995: 2.59	1995: 2.61	1996: 0.33
		2011: 1.71	2011: 3.42	2011: 2.19	2009: 0.28
	Physician Visits	<b>NS</b>	↑	<b>NS</b>	<b>NS</b>
		1996: 26.65	1996: 6.23	1996: 40.38	1996: 0.32
2009: 29.91	2009: 9.26	2009: 38.05	2009: 0.37		
Diabetes	Hospitalizations	<b>NS</b>	↑	<b>NS</b>	<b>NS</b>
		1995: 1.13	1995: 1.74	1995: 0.60	1996: 0.18
		2011: 1.16	2011: 2.75	2011: 1.31	2009: 0.19
	Physician Visits	↑	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1996: 5.21	1996: 8.28	1996: 8.38	1996: 0.40
2009: 11.20	2009: 9.91	2009: 22.73	2009: 0.39		
Heart Disease	Hospitalizations	↓	↑	<b>NS</b>	<b>NS</b>
		1995: 4.90	1995: 1.41	1995: 1.64	1996: 0.15
		2011: 2.37	2011: 1.75	2011: 1.43	2009: 0.16
	Physician Visits	<b>NS</b>	↑	<b>NS</b>	<b>NS</b>
		1996: 4.70	1996: 5.02	1996: 6.93	1996: 0.36
2009: 5.96	2009: 7.29	2009: 11.2	2009: 0.37		
Injury	Hospitalizations	<b>NS</b>	↑	<b>NS</b>	<b>NS</b>
		1995: 6.91	1995: 1.82	1995: 4.35	1996: 0.17
		2011: 5.79	2011: 2.35	2011: 5.11	2009: 0.20
	Physician Visits	↓	↑	<b>NS</b>	<b>NS</b>
		1996: 62.41	1996: 5.23	1996: 85.49	1996: 0.30
2009: 44.52	2009: 7.41	2009: 71.43	2009: 0.33		
Intentional Self-Harm	Hospitalizations	↓	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1995: 0.84	1995: 5.58	1995: 1.28	1996: 0.28
		2011: 0.39	2011: 3.58	2011: 0.48	2009: 0.23
Mental Disorders	Hospitalizations	↓	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1995: 6.17	1995: 2.90	1995: 6.35	1996: 0.20
		2011: 3.48	2011: 2.44	2011: 3.28	2009: 0.18
	Physician Visits	↑	↑	<b>NS</b>	<b>NS</b>
		1996: 31.87	1996: 6.81	1996: 51.86	1996: 0.35
2009: 41.95	2009: 9.05	2009: 81.44	2009: 0.38		
Stroke	Hospitalizations	↓	↑	<b>NS</b>	↓
		1995: 2.41	1995: 1.67	1995: 1.24	1996: 0.23

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		2011: 1.19	2011: 2.03	2011: 0.76	2009: 0.16
	Physician Visits	↓	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1996: 1.62	1996: 4.85	1996: 2.60	1996: 0.42
		2009: 1.19	2009: 6.16	2009: 2.26	2009: 0.38
Chlamydia	STIs	<b>NS</b>	↓	<b>NS</b>	<b>NS</b>
		2004: 3.31	2004: 4.22	2004: 4.94	2004: 0.29
		2010: 4.85	2010: 2.96	2010: 5.24	2010: 0.25
Gonorrhea	STIs	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>
		2004: 0.46	2004: 8.40	2004: 0.93	2004: 0.40
		2010: 0.40	2010: 4.79	2010: 0.73	2010: 0.47
Hepatitis C	CD	↓	<b>NS</b>	<b>NS</b>	↑
		2004: 0.81	2004: 7.84	2004: 1.94	2004: 0.43
		2010: 0.37	2010: 11.14	2010: 1.54	2010: 0.51
Tuberculosis	CD	<b>NS</b>	<b>N/A</b>	<b>NS</b>	<b>NS</b>
		2004: 0.01	2004: N/A	2004: 0	2004: 0.58
		2010: 0.06	2010: N/A	2010: 0.21	2010: 0.56
All-Cause Mortality	Vital Statistics	<b>NS</b>	↑	<b>NS</b>	<b>NS</b>
		1995: 6.09	1995: 2.28	1995: 4.61	1995: 0.28
		2009: 5.88	2009: 2.34	2009: 5.38	2009: 0.23
High Birth Weight	Vital Statistics	<b>NS</b>	↑	<b>NS</b>	↓
		1995: 106.37	1995: 0.73	1995: -33.71	1995: 0.15
		2009: 134.82	2009: 0.95	2009: -6.54	2009: 0.08
Infant Mortality	Vital Statistics	↓	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1995: 10.73	1995: 2.87	1995: 10.71	1995: 0.18
		2009: 8.36	2009: 1.61	2009: 3.39	2009: 0.17
Low Birth Weight	Vital Statistics	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>
		1995: 65.95	1995: 2.27	1995: 54.50	1995: 0.06
		2009: 61.49	2009: 1.53	2009: 27.79	2009: 0.06
Teen Abortion	Vital Statistics	<b>NS</b>	↑	<b>NS</b>	↓
		1995: 245.45	1995: 0.63	1995: -119.36	1995: 0.31
		2009: 195.61	2009: 0.93	2009: -13.19	2009: 0.21
Teen Pregnancy	Vital Statistics	↓	↑	<b>NS</b>	↑
		1995: 87.09	1995: 4.19	1995: 113.31	1995: 0.17
		2009: 56.64	2009: 8.63	2009: 114.25	2009: 0.25
Childhood Immunization (MMR by 2 years)	Immunization	↑	<b>NS</b>	<b>NS</b>	<b>NS</b>
		2002: 624.90	2002: 0.58	2002: -312.10	2002: 0.09
		2011: 745.87	2011: 0.76	2011: -202.86	2011: 0.07

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## Equity Trends over Time: Summary Tables

Table 2: Health Inequality Trends over Time by Gini Coefficient for Selected Indicators, Saskatoon, 1995 to 2011.

Degree of Inequality	Widening	Stable (NS Trend)		Narrowing
		Trend to Widening	Trend to Narrowing	
HOSPITALIZATIONS (1995 to 2011)				
<b>HIGH</b>		Injuries	Intentional Self-Harm	COPD
<b>MEDIUM</b>		Diabetes Heart Disease Mental Health Disorders		Stroke
<b>LOW</b>			Cancer	
PHYSICIAN VISITS (1996 to 2009)				
<b>HIGH</b>		Cancer COPD Heart Disease Injuries Mental Health Disorders	Diabetes Stroke	
COMMUNICABLE DISEASE (2004 to 2010)				
<b>HIGH</b>	Hepatitis C	Gonorrhea	Chlamydia Tuberculosis	
VITAL STATISTICS (1995 to 2009)				
<b>HIGH</b>	Teen Pregnancy		All-Cause Mortality	Teen Abortion
<b>MEDIUM</b>		Low Birth Weight (same OT)	Infant Mortality	High Birth Weight
IMMUNIZATION (2002 to 2011)				
<b>MEDIUM</b>			Child Immunization	

Note: The change in the Gini coefficient between the most and last recent times was used to determine direction of trend. Non-significant (NS) changes over time (OT) were deemed stable. The inequality trends by Gini coefficient account for total inequality **within** the entire population, from Q1 through to Q5.

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## Equity Trends over Time: Summary Tables

**Table 3: Levels of Inequality in Selected Health Indicators, Saskatoon, 1995 to 2011.**

Data Source	High Inequalities	Medium Inequalities	Low Inequalities
Hospitalizations (1995 to 2011)	COPD Injuries Intentional Self-Harm	Diabetes Heart Disease Mental Disorders Stroke	Cancer
Physician Visits (1996 to 2009)	Cancer COPD Diabetes Heart Disease Injuries Mental Disorders Stroke		
Communicable Disease (2004 to 2010)	Chlamydia Gonorrhea Hepatitis C Tuberculosis		
Vital Statistics (1995 to 2009)	All-Cause Mortality Teen Abortion Teen Pregnancy	High Birth Weight Infant Mortality Low Birth Weight	
Immunization (2002 to 2011)		Child Immunization	

Note: The most recent Gini coefficient was used to categorize the indicators. High inequalities are those with Gini coefficients >0.20, medium inequalities are those 0.06 – 0.20, and low inequalities are those <0.06.

**Table 4: Health Inequality Trends over Time by Gini Coefficient for Selected Indicators, Saskatoon, 1995 to 2011.**

Data Source	Widening	Stable	Narrowing
Hospitalizations (1995 to 2011)		Cancer Diabetes Heart Disease Injuries Intentional Self-Harm Mental Disorders	COPD Stroke
Physician Visits (1996 to 2009)		Cancer COPD Diabetes Heart Disease Injuries Mental Disorders Stroke	
Communicable Disease (2004 to 2010)	Hepatitis C	Chlamydia Gonorrhea Tuberculosis	
Vital Statistics (1995 to 2009)	Teen Pregnancy	All-Cause Mortality Infant Mortality Low Birth Weight	High Birth Weight Teen Abortion
Immunization (2002 to 2011)		Child Immunization	

Note: The Gini coefficient at the most and last recent times was used to determine direction of gap. Non-significant changes over time were deemed stable. The inequality trends by Gini coefficient account for total inequality **within** the entire population, from Q1 through to Q5.

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## Equity Trends over Time: Summary Tables

**Table 5: Health Inequality Gap Trends over Time by Disparity Rate Ratio in Selected Indicators, Saskatoon, 1995 to 2011.**

Data Source	Widening Gap	Stable Gap	Narrowing Gap
Hospitalizations (1995 to 2011)	Diabetes Heart Disease Injuries Stroke	Cancer COPD Intentional Self-Harm Mental Disorders	
Physician Visits (1996 to 2009)	COPD Heart Disease Injuries Mental Disorders	Cancer Diabetes Heart Disease Stroke	
Communicable Disease (2004 to 2010)		Hepatitis C Gonorrhea Tuberculosis*	Chlamydia
Vital Statistics (1995 to 2009)	All-Cause Mortality High Birth Weight Teen Abortion Teen Pregnancy	Infant Mortality Low Birth Weight	
Immunization (2002 to 2011)		Child Immunization	

Note: The disparity rate ratio (DRR) at the most and last recent times was used to determine direction of gap. Non-significant changes over time were deemed stable. The inequality trends by DRR account for inequality **between** those living in the highest areas of deprivation (Q5) and those living in the lowest areas of deprivation (Q1).

\*Unable to calculate due to 0 cases in Q1 for some time periods.

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## Equity Trends over Time: Summary Tables

**Table 6: Rate per 1000 Population Trends over Time in Selected Indicators, Saskatoon, 1995 to 2011.**

Data Source	Increasing	Stable	Decreasing
Hospitalizations (1995 to 2011)		Diabetes Injuries	Cancer COPD Heart Disease Intentional Self-Harm Mental Disorders Stroke
Physician Visits (1996 to 2009)	Diabetes Mental Disorders	Cancer COPD Heart Disease	Injuries Stroke
Communicable Disease (2004 to 2010)		Chlamydia Gonorrhea Tuberculosis	Hepatitis C
Vital Statistics (1995 to 2009)		All-Cause Mortality High Birth Weight Low Birth Weight Teen Abortion	Infant Mortality Teen Pregnancy
Immunization (2002 to 2011)	Child Immunization		

Note: The rate per 1000 population at the most and last recent times was used to determine direction of trend. Non-significant changes over time were deemed stable.