

Appendix

Appendix Table 1: Deterministic and probabilistic linkage by social assistance program

Socio-demographic and program-specific characteristics	Ontario works		Ontario disability Support program		Standardized difference
	N	%	N	%	
Overall	1,884,863	68.9%	851,490	31.1%	
	Linkage result				
Linked	1,630,743	86.5%	774,372	90.9%	0.14
Unlinked	254,120	13.5%	77,118	9.1%	
	Member role				
Applicant	1,024,361	54.3%	558,639	65.6%	0.23
Spouse	132,293	7.0%	92,044	10.8%	0.13
Dependent adult	73,392	3.9%	69,964	8.2%	0.18
Dependent child	654,817	34.7%	130,843	15.4%	0.46
	Sex				
Male	923,035	49.0%	415,147	48.8%	0
Female	894,797	47.5%	397,410	46.7%	0.02
Unknown	67,031	3.6%	38,933	4.6%	0.05
	Age				
Mean (SD)	25.40 ± 16.89		41.25 ± 20.12		0.08
Median (IQR)	24 (11-37)		45 (22-59)		0.81
	Migrant status				
N/A (Canadian-born and long-term residents)	617,605	32.8%	202,229	23.8%	0.20
All other (immigrants and refugees)	1,267,258	67.2%	649,261	76.2%	
	Rural dwelling				
Yes	136,671	7.3%	101,316	11.9%	0.16
No	1,730,522	91.8%	745,003	87.5%	0.14
Missing	17,670	0.9%	5,171	0.6%	0.04
	Family composition				
Single without children	660,950	35.1%	438,413	51.5%	0.34
Single with children	763,301	40.5%	143,589	16.9%	0.54
Couples without children	67,648	3.6%	113,789	13.4%	0.36
Couples with children	392,964	20.8%	155,699	18.3%	0.06
	Accommodation status				
Homeless	20,908	1.1%	3,644	0.4%	0.08
Not homeless	1,863,955	98.9%	847,846	99.6%	
	Data entry system				
In SDMT only: January 2003 – October 2014	1,202,568	63.8%	312,892	36.7%	0.56
In SAMS only: November 2014 – December 2016	228,720	12.1%	63,295	7.4%	0.16
In both system	453,575	24.1%	475,303	55.8%	0.69
	Number of months on social assistance				
Mean (SD)	30.35 ± 34.19		84.78 ± 55.61		0.77
Median (IQR)	17 (6-41)		79 (33-136)		1.19

Legend: N/A – not applicable; SDMT – Service Delivery Model Technology; SAMS – Social Assistance Management System; SD – standard deviation; IQR – interquartile range.

Appendix Table 2a: Deterministic and probabilistic linkage by year (2003–2009)

Socio-demographic and program-specific characteristics	2003		2004		2005		2006		2007		2008		2009	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall	134,275		120,031		112,699		107,550		101,566		98,168		105,125	
Linkage result														
Linked	98,654	73.5	93,205	77.7	89,698	79.6	89,283	83.0	86,115	84.8	83,157	84.7	89,940	85.6
Unlinked	35,621	26.5	26,826	22.3	23,001	20.4	18,267	17.0	15,451	15.2	15,011	15.3	15,185	14.4
Program														
OW	108,230	80.6	93,564	77.9	84,723	75.2	84,772	78.8	81,795	80.5	78,307	79.8	84,856	80.7
ODSP	26,045	19.4	26,467	22.1	27,976	24.8	22,778	21.2	19,771	19.5	19,861	20.2	20,269	19.3
Member role														
Applicant	59,389	44.2	58,111	48.4	55,992	49.7	56,176	52.2	55,248	54.4	53,546	54.5	59,742	56.8
Spouse	11,517	8.6	10,954	9.1	10,090	9.0	9,815	9.1	8,906	8.8	8,607	8.8	9,893	9.4
Dependent adult	9,429	7.0	8,075	6.7	7,496	6.7	6,475	6.0	6,011	5.9	5,631	5.7	5,161	4.9
Dependent child	53,940	40.2	42,891	35.7	39,121	34.7	35,084	32.6	31,401	30.9	30,384	31.0	30,329	28.9
Sex														
Male	52,259	38.9	51,702	43.1	49,785	44.2	50,150	46.6	48,794	48.0	47,532	48.4	52,587	50.0
Female	51,459	38.3	50,457	42.0	48,886	43.4	49,592	46.1	47,721	47.0	46,462	47.3	48,585	46.2
Unknown	30,557	22.8	17,872	14.9	14,028	12.4	7,808	7.3	5,051	5.0	4,174	4.3	3,953	3.8
Age														
Mean (SD)	25.84 ± 19.22		27.59 ± 19.62		28.26 ± 19.79		28.85 ± 19.85		29.21 ± 19.69		29.34 ± 19.77		29.95 ± 19.66	
Median (IQR)	21 (10-38)		23 (12-41)		24 (12-42)		25 (13-43)		26 (13-43)		26 (13-44)		27 (15-44)	
Migrant status														
N/A (Canadian-born and long-term residents)	45,690	34.0	43,930	36.6	39,595	35.1	39,844	37.0	36,868	36.3	34,471	35.1	34,365	32.7
All other (immigrants and refugees)	88,585	66.0	76,101	63.4	73,104	64.9	67,706	63.0	64,698	63.7	63,697	64.9	70,760	67.3
Rural dwelling														
Yes	11,287	8.4	9,564	8.0	9,698	8.6	9,005	8.4	8,879	8.7	8,604	8.8	9,624	9.2
No	122,212	91.0	109,817	91.5	102,338	90.8	97,767	90.9	91,905	90.5	88,775	90.4	94,598	90.0
Missing	776	0.6	650	0.5	663	0.6	778	0.7	782	0.8	789	0.8	903	0.9
Family composition														
Single without children	36,927	27.5	36,941	30.8	36,183	32.1	36,313	33.8	36,562	36.0	35,535	36.2	40,885	38.9
Single with children	54,074	40.3	44,226	36.8	41,154	36.5	39,115	36.4	36,663	36.1	35,264	35.9	34,226	32.6
Couples without children	8,791	6.5	8,391	7.0	8,021	7.1	7,897	7.3	6,871	6.8	6,669	6.8	7,808	7.4
Couples with children	34,483	25.7	30,473	25.4	27,341	24.3	24,225	22.5	21,470	21.1	20,700	21.1	22,206	21.1
Accommodation status														
Homeless	447	0.3	483	0.4	518	0.5	554	0.5	541	0.5	535	0.5	603	0.6
Not homeless	133,828	99.7	119,548	99.6	112,181	99.5	106,996	99.5	101,025	99.5	97,633	99.5	104,522	99.4
Data entry system														
In SDMT only: January 2003 – October 2014	134,275	100	120,031	100	112,699	100	107,550	100	101,566	100	98,168	100	105,125	100
In SAMS only: November 2014 – December 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0
In both system	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of months on social assistance														
Mean (SD)	6.86 ± 13.10		12.96 ± 11.67		17.75 ± 14.05		20.52 ± 16.15		23.03 ± 19.32		25.82 ± 22.94		25.65 ± 26.01	
Median (IQR)	5 (2-8)		13 (5-18)		16 (6-28)		16 (6-37)		17 (6-40)		17 (6-43)		14 (5-40)	

Legend: OW – Ontario Works; ODSP – Ontario Disability Support Program; N/A – not applicable; SDMT – Service Delivery Model Technology; SAMS – Social Assistance Management System; SD – standard deviation; IQR – interquartile range.

Appendix Table 2b: Deterministic and probabilistic linkage by year (2010–2016)

Socio-demographic and program-specific characteristics	2010		2011		2012		2013		2014		2015		2016	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Overall	123,608		129,726		150,501		145,925		202,361		134,770		1,070,048*	
Linkage result														
Linked	105,594	85.4	111,669	86.1	127,556	84.8	125,155	85.8	175,030	86.5	123,881	91.9	1,006,178	94.0
Unlinked	18,014	14.6	18,057	13.9	22,945	15.2	20,770	14.2	27,331	13.5	10,889	8.1	63,870	6.0
Program														
OW	102,759	83.1	107,447	82.8	123,293	81.9	117,745	80.7	146,965	72.6	110,992	82.4	559,415	52.3
ODSP	20,849	16.9	22,279	17.2	27,208	18.1	28,180	19.3	55,396	27.4	23,778	17.6	510,633	47.7
Member role														
Applicant	71,170	57.6	74,776	57.6	84,615	56.2	81,941	56.2	106,391	52.6	78,285	58.1	687,618	64.3
Spouse	11,490	9.3	11,467	8.8	12,929	8.6	12,446	8.5	15,613	7.7	10,752	8.0	79,858	7.5
Dependent adult	6,098	4.9	6,875	5.3	8,159	5.4	8,936	6.1	15,821	7.8	8,222	6.1	40,967	3.8
Dependent child	34,850	28.2	36,608	28.2	44,798	29.8	42,602	29.2	64,536	31.9	37,511	27.8	261,605	24.4
Sex														
Male	62,710	50.7	65,335	50.4	74,109	49.2	72,659	49.8	101,803	50.3	68,936	51.2	539,821	50.4
Female	56,737	45.9	60,431	46.6	69,144	45.9	68,100	46.7	98,592	48.7	65,832	48.8	530,209	49.6
Unknown	4,161	3.4	3,960	3.1	7,248	4.8%	5,166	3.5%	1,966	1.0%	<=5	0	18	0
Age														
Mean (SD)	29.66 ± 19.26		29.62 ± 19.40		29.08 ± 19.38		29.38 ± 19.53		27.81 ± 18.80		29.27 ± 18.81		32.88 ± 19.09	
Median (IQR)	27 (15-44)		27 (15-44)		26 (14-43)		26 (14-44)		24 (14-40)		26 (15-43)		32 (18-50)	
Migrant status														
N/A (Canadian-born and long-term residents)	42,464	34.4	44,032	33.9	50,266	33.4	47,902	32.8	55,163	27.3	37,335	27.7	267,909	25.0
All other (immigrants and refugees)	81,144	65.6	85,694	66.1	100,235	66.6	98,023	67.2	147,198	72.7	97,435	72.3	802,139	75.0
Rural dwelling														
Yes	10,685	8.6	11,053	8.5	12,702	8.4	12,027	8.2	17,719	8.8	12,170	9.0	94,970	8.9
No	111,944	90.6	117,623	90.7	136,493	90.7	132,624	90.9	182,831	90.3	121,199	89.9	965,399	90.2
Missing	979	0.8	1,050	0.8	1,306	0.9	1,274	0.9	1,811	0.9	1,401	1.0	9,679	0.9
Family composition														
Single without children	49,158	39.8	51,857	40.0	58,692	39.0	57,001	39.1	74,045	36.6	54,903	40.7	494,361	46.2
Single with children	39,183	31.7	42,107	32.5	49,944	33.2	48,838	33.5	73,686	36.4	46,305	34.4	322,105	30.1
Couples without children	8,592	7.0	8,745	6.7	9,838	6.5	9,564	6.6	12,141	6.0	7,790	5.8	70,319	6.6
Couples with children	26,675	21.6	27,017	20.8	32,027	21.3	30,522	20.9	42,489	21.0	25,772	19.1	183,263	17.1
Accommodation status														
Homeless	773	0.6	911	0.7	1,105	0.7	1,361	0.9	1,911	0.9	1,778	1.3	13,032	1.2
Not homeless	122,835	99.4	128,815	99.3	149,396	99.3	144,564	99.1	200,450	99.1	132,992	98.7	1,057,016	98.8
Data entry system														
In SDMT only: January 2003 – October 2014	123,608	100	129,726	100	150,501	100	145,925	100	186,286	92.1	0	0	0	0
In SAMS only: November 2014 – December 2016	0	0	0	0	0	0	0	0	2,113	1.0	32,328	24.0	257,574	24.1
In both system	0	0	0	0	0	0	0	0	13,962	6.9	102,442	76.0	812,474	75.9
Number of months on social assistance														
Mean (SD)	27.30 ± 27.92		31.24 ± 31.00		34.72 ± 34.22		38.65 ± 37.55		46.94 ± 42.44		43.87 ± 42.21		76.10 ± 56.52	
Median (IQR)	16 (6-39)		19 (7-45)		22 (8-49)		25 (9-56)		32 (12-74)		27 (12-63)		65 (26-125)	

Legend: OW – Ontario Works; ODSP – Ontario Disability Support Program; N/A – not applicable; SDMT – Service Delivery Model Technology; SAMS – Social Assistance Management System; SD – standard deviation; IQR – interquartile range.

Note: * This value includes all long-term clients of social assistance in Ontario up until 2016.