The STDRATE Procedure

Standardization Information	
Data Set	WORK.MERGEDDATA
Group Variable	Gender
Reference Data Set	WORK.CANADA
Method	Direct Standardization
Statistic	Rate
Number of Strata	4
Rate Multiplier	100000

The STDRATE Procedure

Directly Standardized Strata Statistics
Rate Multiplier = 100000

			Study Population						Reference Population		
				Population-Time						Population-Time	
Gender	Stratum Index	Age	Observed Events	Value	Proportion	Crude Rate	Standard Error	95% Normal Confidence Limits	Value	Proportion	Expected Events
Female	1	18-34	16600	1499360	0.2572	1107.1	8.5931	1090.3 1124.0	7706705	0.2615	85324
Female	2	35-49	61300	1438551	0.2467	4261.2	17.2110	4227.5 4295.0	7401067	0.2511	315377
Female	3	50-64	170200	1519258	0.2606	11202.8	27.1549	11149.6 11256.1	7769520	0.2636	870407
Female	4	>=65	233600	1373033	0.2355	17013.4	35.2010	16944.4 17082.4	6595070	0.2238	1122048
Male	1	18-34	32100	1588773	0.2845	2020.4	11.2769	1998.3 2042.5	7706705	0.2615	155708
Male	2	35-49	62500	1379456	0.2470	4530.8	18.1231	4495.3 4566.3	7401067	0.2511	335325
Male	3	50-64	223100	1479350	0.2649	15080.9	31.9285	15018.4 15143.5	7769520	0.2636	1171717
Male	4	>=65	279900	1136265	0.2035	24633.3	46.5609	24542.1 24724.6	6595070	0.2238	1624586

Directly Standardized Rate Estimates
Rate Multiplier = 100000

	Study Population			Reference Population		Standardized Rate		
Gender	Observed Events	Population-Time	Crude Rate	Expected Events	Population-Time	Estimate	Standard Error	95% Normal Confidence Limits
Female	481700	5830202	8262.1	2393155	29472362	8120.0	11.7056	8097.1 8142.9
Male	597600	5583844	10702.3	3287337	29472362	11154.0	14.4502	11125.6 11182.3

The STDRATE Procedure

Standardization Information	
Data Set	WORK.ONTARIOF
Reference Data Set	WORK.CANADA
Method	Indirect Standardization
Statistic	Rate
Number of Strata	4
Rate Multiplier	100000

The STDRATE Procedure

Standardized Morbidity/Mortality Ratio

Observed Events	Expected Events	SMR	Standard Error	95% Normal Confidence Limits	Z	Pr > |Z|
481700	499819	0.9637	0.00139	0.9610 0.9665	-26.11	<.0001

Indirectly Standardized Rate Estimates
Rate Multiplier = 100000

	Study Population			Reference			Standardized Rate		
Observed Events	Population-Time	Crude Rate	Crude Rate	Expected Events	SMR	Estimate	Standard Error	95% Normal Confidence Limits	
481700	5830202	8262.1	8413.6	499819	0.9637	8108.6	11.6832	8085.7 8131.5	

The STDRATE Procedure

Standardization Information	
Data Set	WORK.ONTARIOM
Reference Data Set	WORK.CANADA

Standardization Information	
Method	Indirect Standardization
Statistic	Rate
Number of Strata	4
Rate Multiplier	100000

The STDRATE Procedure

Standardized Morbidity/Mortality Ratio							
Observed Events	**Expected Events**	**SMR**	**Standard Error**	**95% Normal Confidence Limits**		**Z**	**Pr > |Z|**
597600	450253	1.3273	0.00172	1.3239	1.3306	190.61	<.0001

Indirectly Standardized Rate Estimates Rate Multiplier = 100000									
Study Population			**Reference**			**Standardized Rate**			
Observed Events	**Population-Time**	**Crude Rate**	**Crude Rate**	**Expected Events**	**SMR**	**Estimate**	**Standard Error**	**95% Normal Confidence Limits**	
597600	5583844	10702.3	8413.6	450253	1.3273	11167.0	14.4455	11138.7	11195.3