Appendix 1 (as submitted by the authors): Supplemental Tables 1–3

Database	Description
Continuing Care Reporting System Long-	The CCRS-LTC database is comprised of mandatory, clinical
Term Care (CCRS-LTC) database	assessments performed on all nursing home residents in Ontario.
	Nursing home assessments are made using the Resident Assessment
	Instrument Minimum Data Set (RAI-MDS) version 2.0, a previously
	validated tool. ^{1,2} Full assessments are completed on admission,
	annually and following any significant health status change by trained medical personnel.
Discharge Abstract Database (DAD)	The DAD is compiled by the Canadian Institute for Health
	Information and contains administrative, clinical (diagnoses and
	procedures), and demographic information for all admissions to acute
	care nospitais in Ontano.
	DAD records have been demonstrated to have excellent agreement
	(over 99%) for demographic and administrative data. Regarding
	diagnoses, median agreement between original DAD records and re-
	abstracted records for the 50 most common most responsible
	diagnoses was noted to be 81% (Sensitivity 82%; Specificity 82%). ³
	The corresponding median agreement for the 50 most frequently 0.20%
	performed surgical procedures was 92% (sensitivity 95%, positive
National Ambulatory Caro Deporting	predictive value 91%). The NACPS is compiled by the Canadian Institute for Health
System (NACRS)	Information and contains administrative, clinical (diagnoses and
System (INTERS)	procedures) and demographic information for all patient visits made
	to hospital- and community-based ambulatory care centres
	(emergency departments, day surgery units, dialysis and cancer care
	clinics) in Ontario.
Ontario Drug Benefit (ODB) program	The ODB database contains prescription medication claims for those
database	covered under the provincial drug program, mainly those aged 65
	years and older, nursing home residents, and those receiving social
	assistance. Each medication claim has an associated prescriber
	identifier which indicates the health practitioner who wrote the
	prescription. A special flag in the ODB database indicates whether the
	prescription was dispensed in the community or nursing home setting.
	An audit of 5,155 randomly selected prescriptions dispensed from 50
	Ontario pharmacies determined that the ODB had an error rate of

c rable 1. Description of Ontario nearin administrative data sources included in this study	eTable 1.	Description	of Ontario	health	administrative	data sources	included in	this study
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Appendix to: Campitelli MA, Maxwell CJ, Maclagan LC, et al. One-year survival and admission to hospital for cardiovascular events among older residents of long-term care facilities who were prescribed intensive- and moderate-dose statins. *CMAJ* 2019. doi: 10.1503/cmaj.180853. Copyright © 2019 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

Ontario Health Insurance Plan (OHIP) physician billing claims database	0.7% and none of the pharmacy characteristics examined (locations, owner affiliation, productivity) were associated with coding errors. ⁴ The OHIP physician billing claims database contains information on all outpatient services provided by fee-for-service physicians in Onterio and "chadow billings" for physicians paid under alternate		
	payment plans. Billing codes are specific in identifying services provided in the nursing home setting.		
Registered Persons Database (RPDB)	The RPDB provides basic demographic information (age, sex, area of residence, date of birth, and date of death for deceased individuals) about anyone who has ever received an Ontario health card number (e.g., been enrolled in the province's publicly funded health insurance system).		

References

- 1. Kim H, Jung YI, Sung M, Lee JY, Yoon JY, Yoon JL: Reliability of the interRAI Long Term Care Facilities (LTCF) and interRAI Home Care (HC). Geriatr Gerontol Int 2015; 15: 220-8
- 2. Mor V: A comprehensive clinical assessment tool to inform policy and practice: applications of the minimum data set. Med Care 2004; 42: III50-III59
- 3. Juurlink, D, Preyra, C, Croxford, R, Chong, A, Austin, P, Tu, J, and Laupacis, A. Canadian Institute for Health Information Discharge Abstract Database: A Validation Study. 2006. Toronto, Institute for Clinical Evaluative Sciences.
- 4. Levy AR, O'Brien BJ, Sellors C, Grootendorst P, Willison D: Coding accuracy of administrative drug claims in the Ontario Drug Benefit database. Can J Clin Pharmacol 2003; 10: 67-71

	Odds Ratio ^a (95%
Characteristic	Confidence Interval)
Demographics	
Age, per vear increase	0.96 (0.95-0.97)
Sex (male)	1.25 (1.16-1.34)
Time in nursing home	× /
<1 year	1.00 (reference)
1-4 years	0.93 (0.86-1.01)
5-9 years	0.73 (0.65-0.82)
10+ years	0.73 (0.56-0.94)
General health status	
Aggregated Diagnosis Groups in past 2 years	
	1.00 (reference)
1-5	1.10 (0.99-1.22)
6-10	1.14 (1.02-1.29)
11+	1.10 (0.95-1.28)
Performance of activities of daily living	
Independent without supervision	1.00 (reference)
Independent with supervision	0.99 (0.8-1.22)
Limited	1.03 (0.85-1.25)
Extensive, level 1	1.10 (0.92-1.32)
Extensive, level 2	1.08 (0.9-1.29)
Dependent	1.04 (0.86-1.26)
Total dependence	0.94 (0.73-1.22)
Cognitive performance scale	
Intact	1.00 (reference)
Borderline intact	1.07 (0.93-1.22)
Mild impairment	1.04 (0.91-1.17)
Moderate impairment	1.09 (0.97-1.24)
Moderate severe impairment	1.10 (0.93-1.3)
Severe impairment	1.00 (0.84-1.2)
Very severe impairment	1.05 (0.82-1.35)
Clinical diagnoses	
Diabetes	1.05 (0.96-1.15)
Congestive heart failure	1.00 (0.91-1.10)
Hypertension	0.97 (0.89-1.05)
Arteriosclerotic heart disease	1.10 (1.02-1.20)
Peripheral vascular disease	1.21 (1.07-1.36)
Deep vein thrombosis	0.82 (0.60-1.13)
Cardiac dysrhythmia disorders	0.94 (0.84-1.06)
Alzheimer's disease and related dementias	0.96 (0.88-1.05)
Cancer	1.11 (0.99-1.24)
Emphysema/COPD/Asthma	1.03 (0.95-1.12)
Depression	1.03 (0.95-1.12)
Arthritis	0.90 (0.66-1.21)
Parkinson's disease	0.86 (0.74-0.99)
History of atherosclerotic-related hospitalization	
Myocardial infarction	1.94 (1.78-2.12)
Ischemic heart disease without infarction	1.27 (1.17-1.38)
Stroke	1.68 (1.56-1.81)
Peripheral arterial disease	1.33 (1.12-1.57)
ED and hospital use in past year	· · · ·
Any ED visit	0.97 (0.87-1.08)

eTable 2. Propensity-score model output for predicting intensive-dose versus moderate-dose statin use

Any inpatient hospitalization	1.01 (0.90-1.13)
Any ED visit with a cardiovascular diagnosis	1.18 (1.03-1.34)
Any inpatient hospitalization with a cardiovascular diagnosis	1.15 (1.02-1.31)
Concurrent drug therapy use	
Number of unique drug therapies	
0-5	1.00 (reference)
6-10	1.02 (0.93-1.13)
11+	1.03 (0.91-1.16)
Angiotensin-converting enzyme inhibitors	1.17 (1.09-1.26)
Angiotensin receptor blockers	1.02 (0.92-1.13)
Beta-blockers	1.22 (1.14-1.32)
Calcium channel blockers	1.08 (1.00-1.16)
Oral anti-glycemics	1.03 (0.93-1.15)
Antipsychotics	0.92 (0.85-1.00)
Benzodiazepines	1.00 (0.90-1.11)
Antibiotics	1.05 (0.93-1.19)
Opioids	0.96 (0.87-1.04)
Antidepressants	1.05 (0.97-1.14)
Cholinesterase inhibitors	1.00 (0.92-1.08)
Benzodiazepines Antibiotics Opioids Antidepressants Cholinesterase inhibitors	$\begin{array}{c} 1.00 \ (0.90\text{-}1.11) \\ 1.05 \ (0.93\text{-}1.19) \\ 0.96 \ (0.87\text{-}1.04) \\ 1.05 \ (0.97\text{-}1.14) \\ 1.00 \ (0.92\text{-}1.08) \end{array}$

Covariance parameter estimate for nursing home-specific random intercept = 0.1778 (Z value 9.69, p-value < 0.001) a – Odds of receiving intensive-dose statins compared with moderate-dose statins. eTable 3. Description of statin medications used at and one year prior to assessment prescription in unmatched and matched cohorts

		Unmatched	Propensi	Propensity-score matched	
Characteristic	Intensive-dose statin users	Moderate-dose statin users	Intensive-dose statin users	Moderate-dose statin users	
Characteristic	1N-4,/02	1N-17,040	IN-4,5//	IN-4,5//	
Statin used at assessment prescription		0 (0 00()	2 200 (72 48/)	0 (0 00()	
Atorvastatin $\geq 40 \text{ mg/day}$	3,438 (72.2%)	0 (0.0%)	3,299 (72.1%)	0 (0.0%)	
Rosuvastatin $\geq 20 \text{ mg/day}$	1,306 (27.4%)	0 (0.0%)	1,260 (27.5%)	0 (0.0%)	
Simvastatin ≥80 mg/day	18 (0.4%)	0 (0.0%)	18 (0.4%)	0 (0.0%)	
Atorvastatin <40 mg/day	0 (0.0%)	9,466 (55.5%)	0 (0.0%)	2,541 (55.5%)	
Rosuvastatin <20 mg/day	0 (0.0%)	4,499 (26.4%)	0 (0.0%)	1,204 (26.3%)	
Simvastatin <80 mg/day	0 (0.0%)	2,062 (12.1%)	0 (0.0%)	574 (12.5%)	
Any pravastatin	0 (0.0%)	802 (4.7%)	0 (0.0%)	207 (4.5%)	
Any lovastatin	0 (0.0%)	170 (1.0%)	0 (0.0%)	39 (0.9%)	
Any fluvastatin	0 (0.0%)	47 (0.3%)	0 (0.0%)	12 (0.3%)	
Statin use in year prior to assessment prescription		· · ·			
Intensive-dose statin	4,737 (99.5%)	572 (3.4%)	4,552 (99.5%)	210 (4.6%)	
Moderate-dose statin	308 (6.5%)	17,016 (99.8%)	284 (6.2%)	4,566 (99.8%)	