

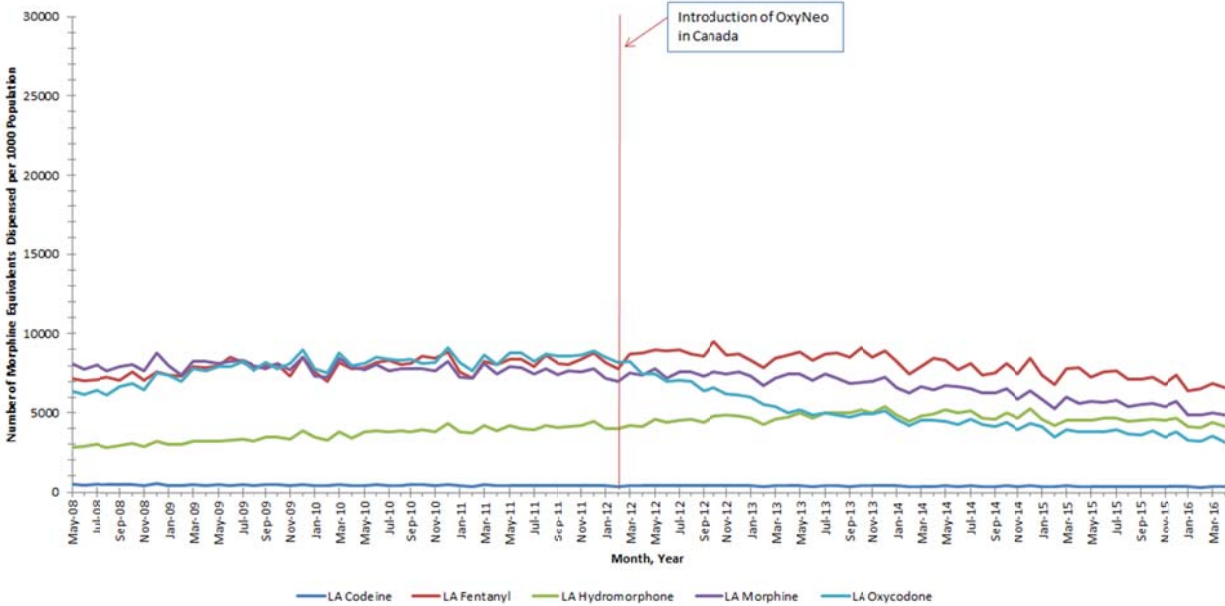
Appendix 1 (as supplied by the authors): Supplementary data

Provincial Drug Insurance program formulary listing status for OxyNeo® by province

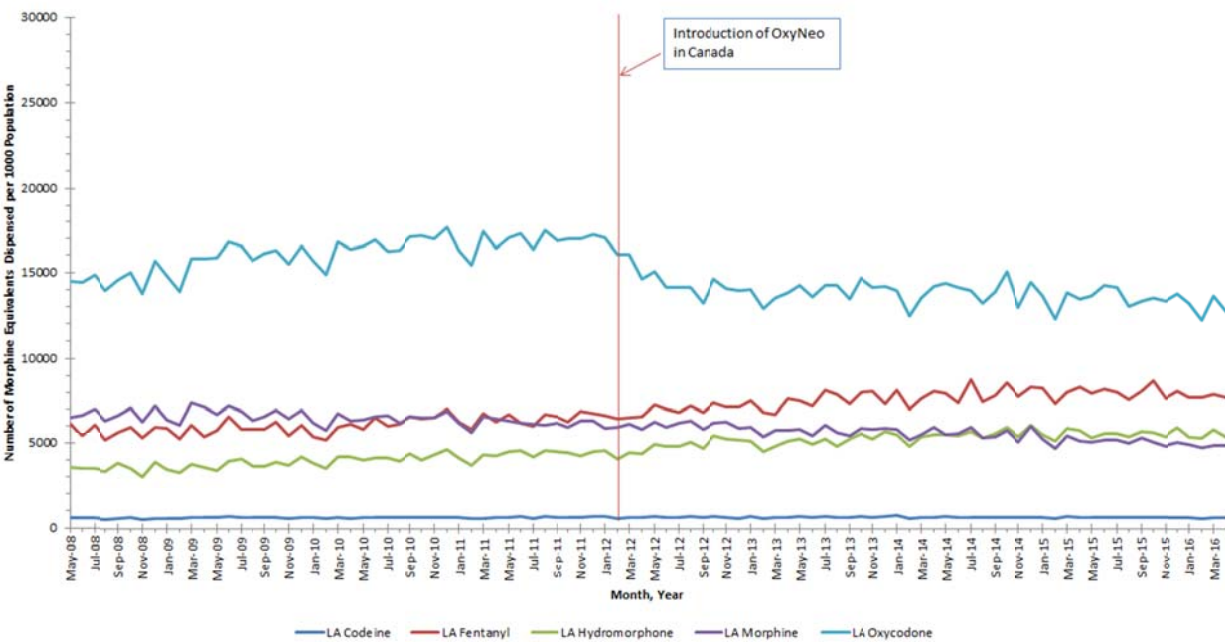
Province	Listing of OxyNeo®
BC	Listed for patients covered by the Palliative Care Drug Plan and for other patients on an exceptional basis through PharmaCare's Special Authority process;
Alberta	Listed as a regular benefit
Saskatchewan	Listed under the Exception Drug Status (EDS) program for the treatment of pain in palliative and cancer patients.
Manitoba	Listed under the Exception Drug Status for the diagnosis of cancer related pain or other chronic pain diagnoses where the patient is unable to tolerate or receive an adequate response to either the regular release dosage forms of oxycodone or the sustained release preparations of morphine or hydromorphone.
Ontario	Listed for palliative care patients, and under the Exceptional Access Program for the treatment of chronic pain in patients who have experienced intolerance or have failed an adequate trial of at least one other listed long-acting opioid product. OxyNeo 60mg and 80mg are not funded.
Quebec	Listed on the Exceptional Access list when two other opioids are not tolerated, contraindicated or ineffective.
New Brunswick	Not listed, but reimbursed for patients who were taking OxyContin when it was discontinued.
Nova Scotia	Not listed, but reimbursed for patients who were taking OxyContin when it was discontinued. Accessible for palliative care patients on a case by case basis.
Newfoundland & Labrador	Not listed, but it is reimbursed for patients who were taking OxyContin when it was discontinued.
PEI	Not listed, but reimbursed for patients who were taking OxyContin in the 90 days prior to it being discontinued.

Rate of Long-Acting Opioid Prescribing by drug and province

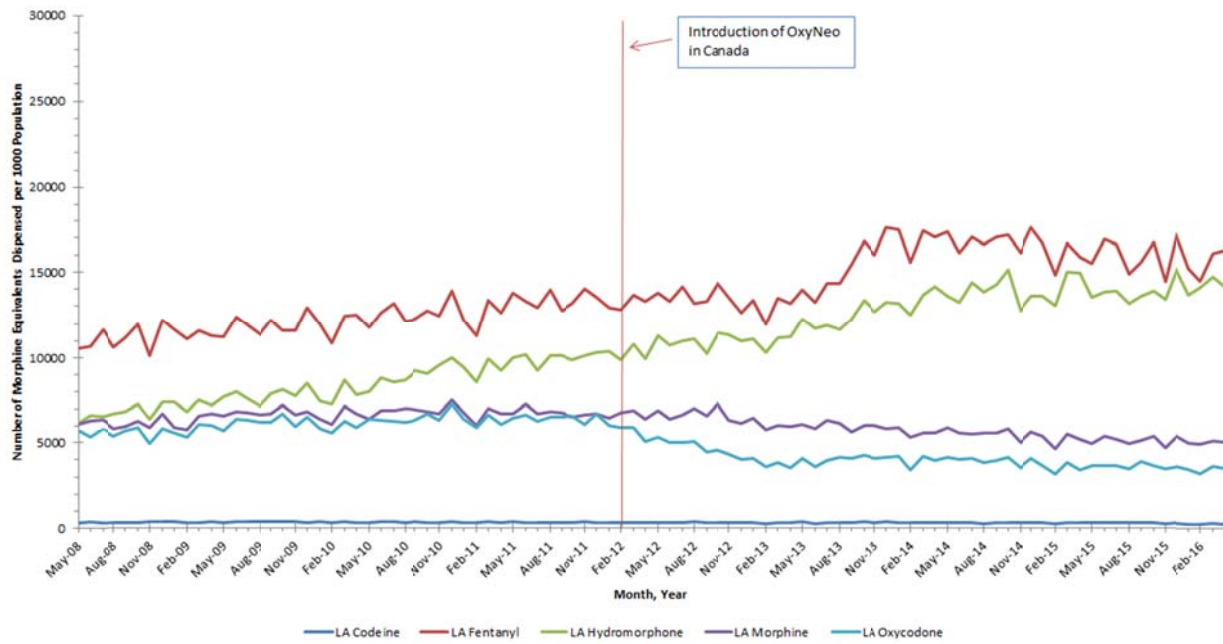
eFigure 1: British Columbia Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



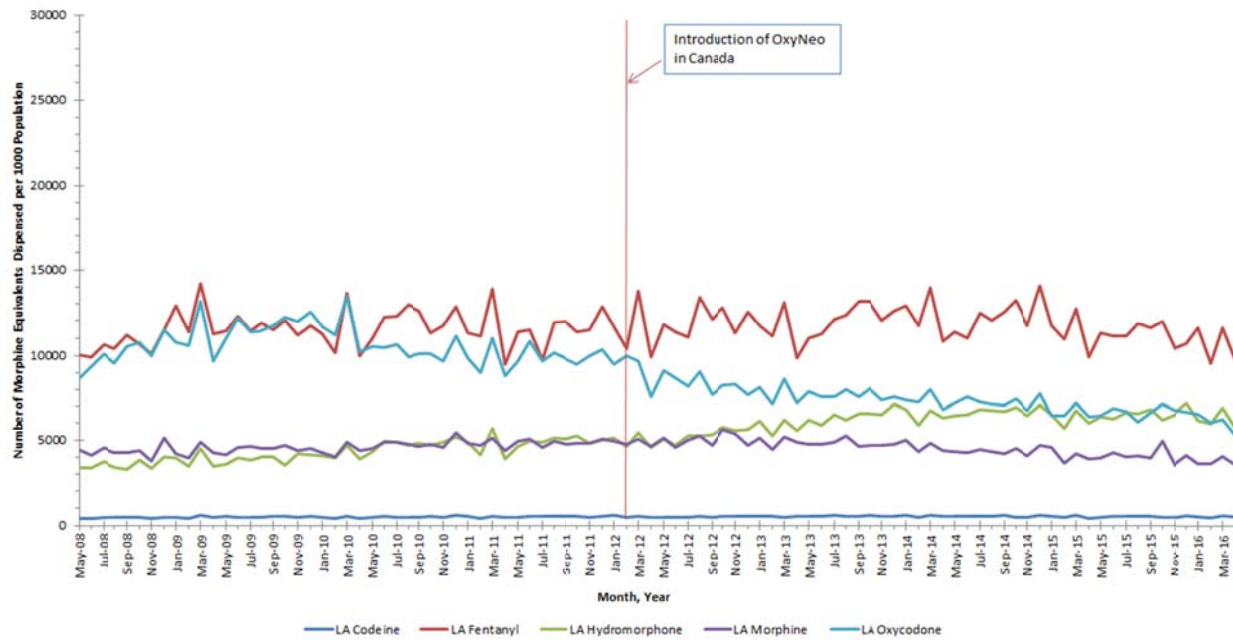
eFigure 2: Alberta Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



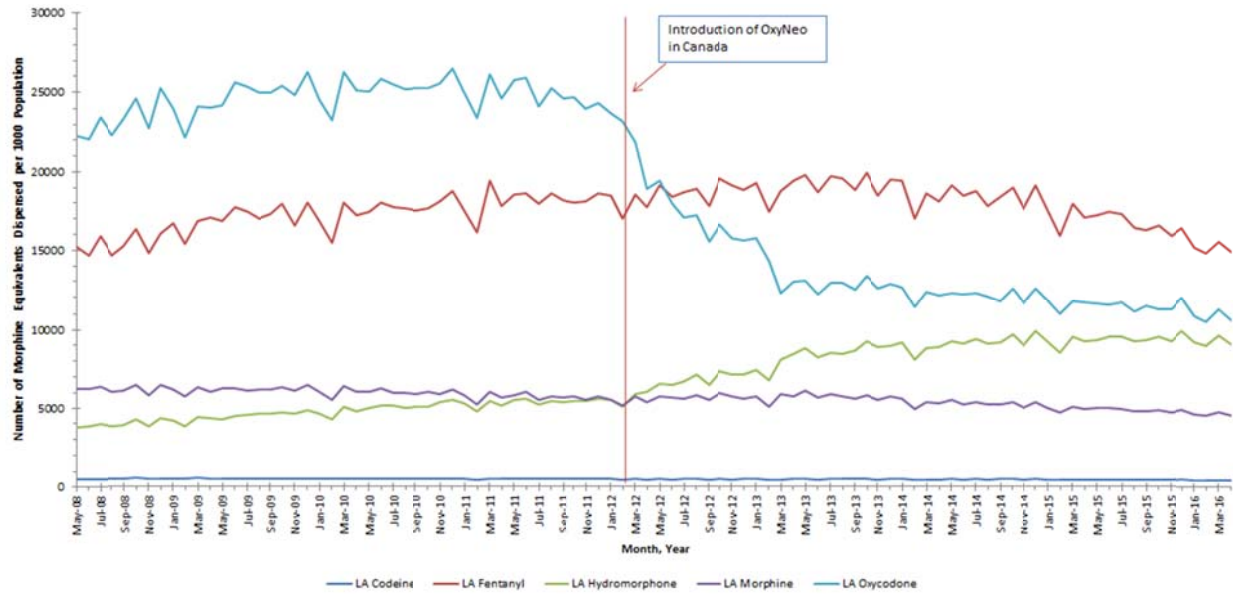
eFigure 3: Saskatchewan Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



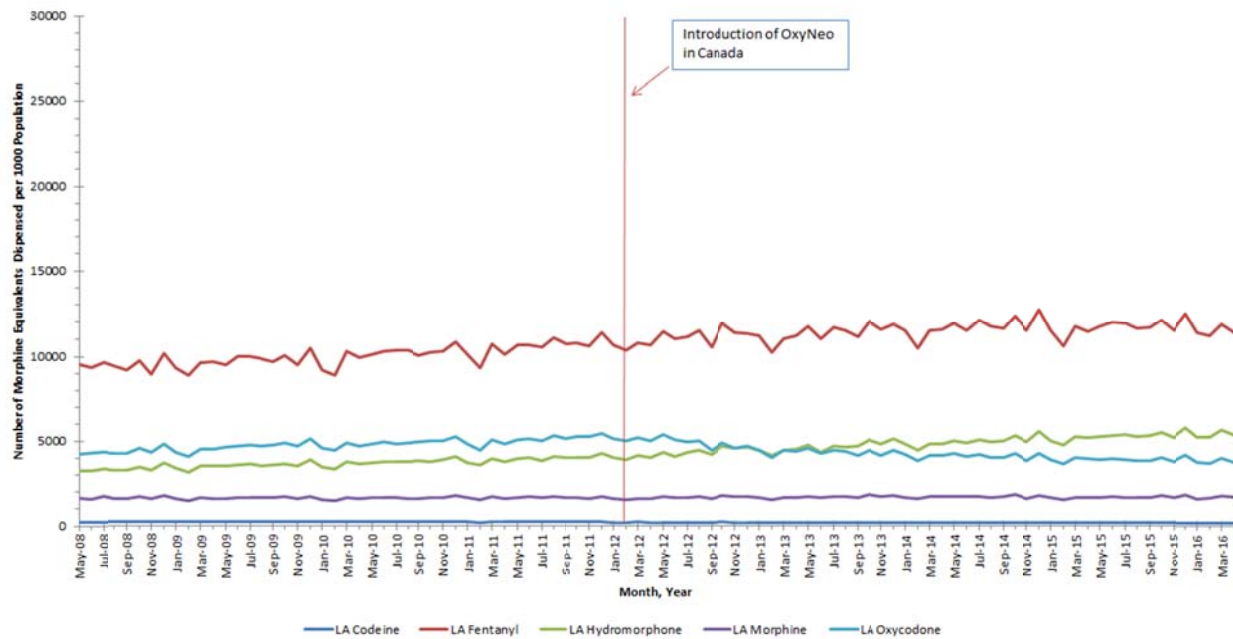
eFigure 4: Manitoba Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



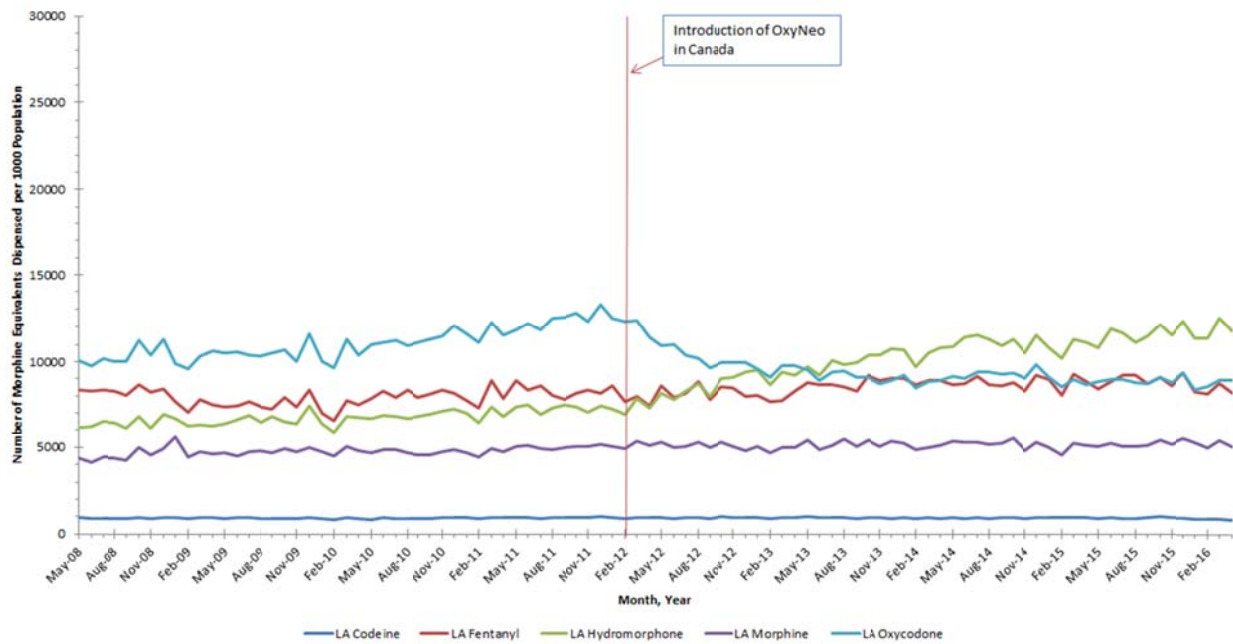
eFigure 5: Ontario Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



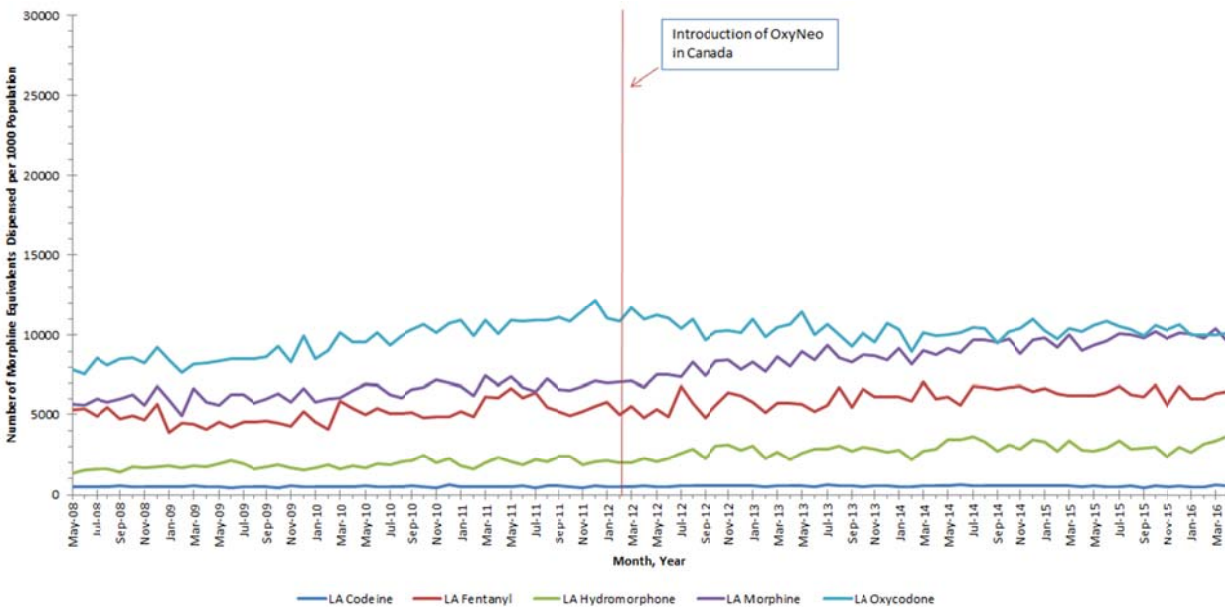
eFigure 6: Quebec Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



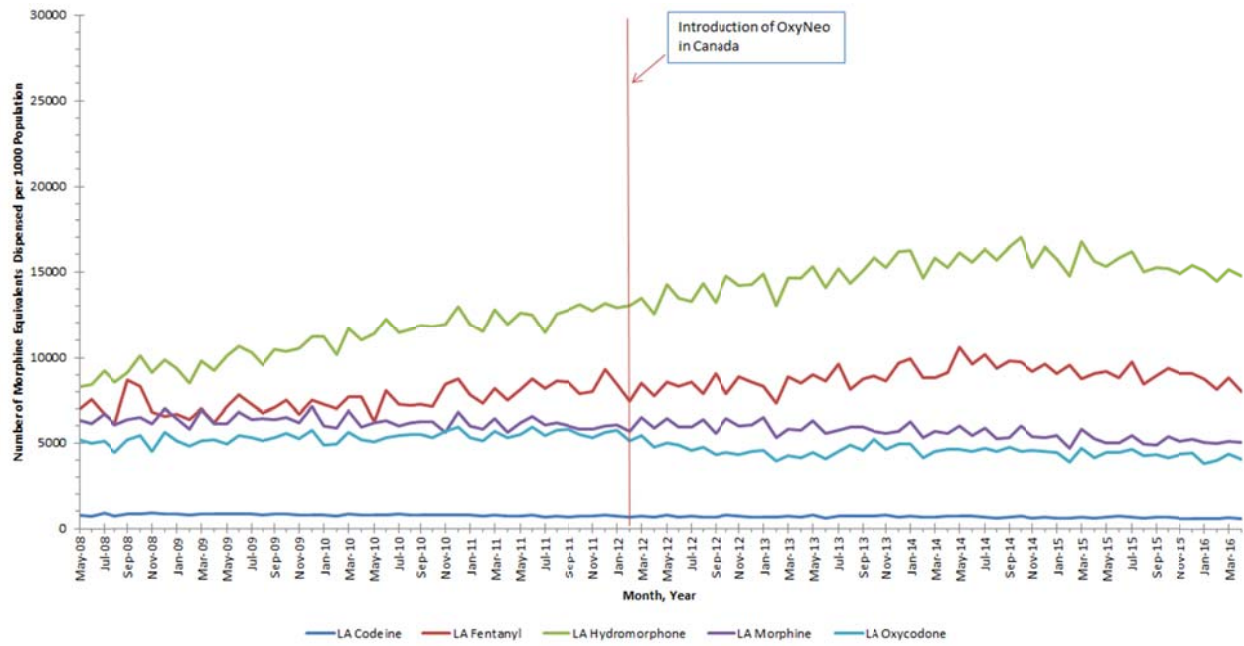
eFigure 7: New Brunswick Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



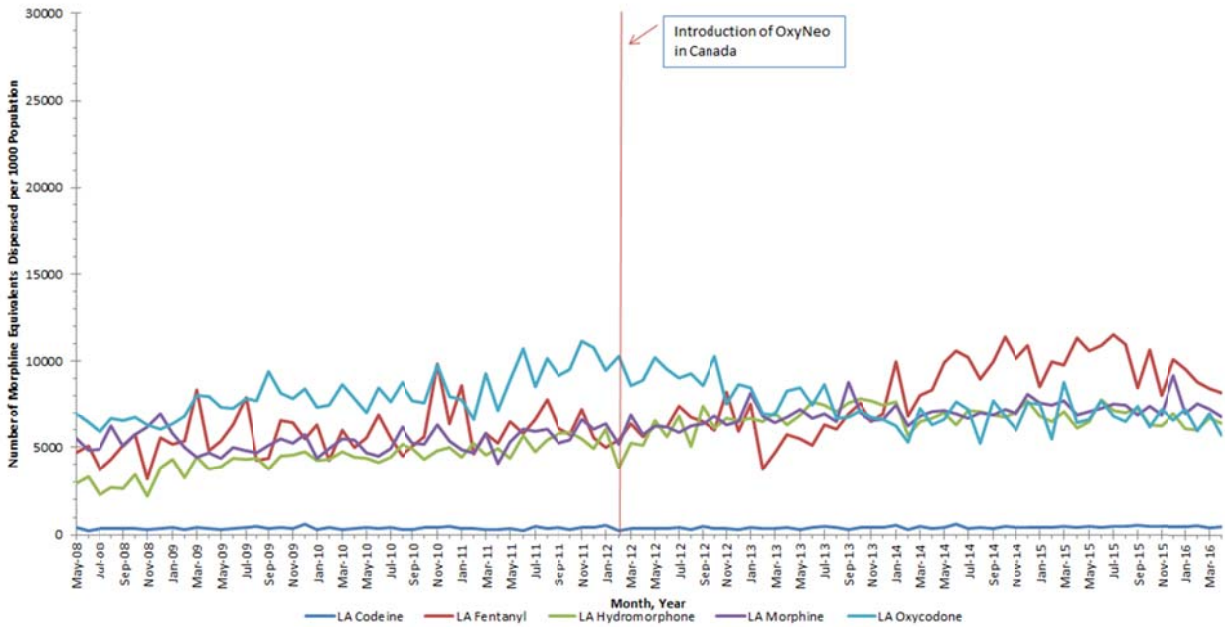
eFigure 8: Newfoundland & Labrador Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



eFigure 9: Nova Scotia Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



eFigure 10: Prince Edward Island Rate of Opioid Dispensing (MEQ per 1000 population), by LA Opioid Type



ARIMA Model Details

ARIMA Models for Provincial Rate of Long-Acting Opioids

PROVINCE	MODEL	Estimate	P-val
ON	ARIMA(1 2 3 4)(12) , 1 , 0)	-435.5	0.01
AB	ARIMA(1 2 3 4)(12) , 1 , 0)	-173.2	0.1
QC	ARIMA(1 2 4 5 6)(12) , 1 , 0)	-87.5	<0.01
BC	ARIMA(1 2 4 5 6)(12) , 1 , 0)	-253.8	0.01
MN	ARIMA(1 2 3 4)(12) , 1 , 0)	-74.5	0.56
NS	ARIMA(1 2 3 4)(12) , 1 , 0)	-66.9	0.76
NB	ARIMA(1 2)(12) , 1 , 0)	-220.9	0.05
SK	ARIMA(1 2 3 4)(12) , 1 , 0)	-253.1	0.01
NL	ARIMA(1 2 3 4)(12) , 1 , 0)	51.3	0.60
PE	ARIMA(1 2 3 4)(12) , 1 , 0)	-66.9	0.76
CANADA	ARIMA(1 2 3 4)(12) , 1 , 0)	-245.0	<0.01

ARIMA Models for Provincial Rate of Immediate-Release Opioids

PROVINCE	MODEL	Estimate	P-val
ON	ARIMA(1 2)(12) , 1 , 0)	86.2	0.74
AB	ARIMA(1 2)(12) , 1 , 0)	30.0	0.69
QC	ARIMA(4)(12) , 1 , 0)	-3.9	0.78
BC	ARIMA(4)(12) , 1 , 0)	9.0	0.85
MN	ARIMA(1 2)(12) , 1 , 0)	35.8	0.71
NS	ARIMA(1 2)(12) , 1 , 0)	56.6	0.42
NB	ARIMA(1 2)(12) , 1 , 0)	-45.0	0.38
SK	ARIMA(1 2)(12) , 1 , 0)	7.3	0.88
NL	ARIMA(1 2)(12) , 1 , 0)	110.5	0.16
PE	ARIMA(1 2)(12) , 1 , 0)	-178.5	0.36
CANADA	ARIMA(1 2)(12) , 1 , 0)	25.0	0.56

ARIMA Models for National Rate of Long-Acting Opioids, by Drug Type

OPIOID	MODEL	Estimate	P-val
CODEINE	ARIMA(1 2 3 4)(12) , 1 , 0)	-0.35	0.73
FENTANYL	ARIMA(1 2 3 4)(12) , 1 , 0)	12.6	0.70
HYDROMORPHONE	ARIMA(1 2 3 4)(12) , 1 , 0)	76.3	<.01
MORPHINE	ARIMA(1 2 3 4)(12) , 1 , 0)	14.5	0.09
OXYCODONE	ARIMA(1 2 3 4)(12) , 1 , 0)	-351.9	<.01