



Who's Winning? Opioid Abuse Patterns in the United States and Canada

Dr. Theodore J. Cicero, PhD,
Matthew Ellis, MPE, Zac Kasper, MPH
Washington University in St. Louis,
Department of Psychiatry
Email: cicerot@wustl.edu

RADARS System
May 15, 2019

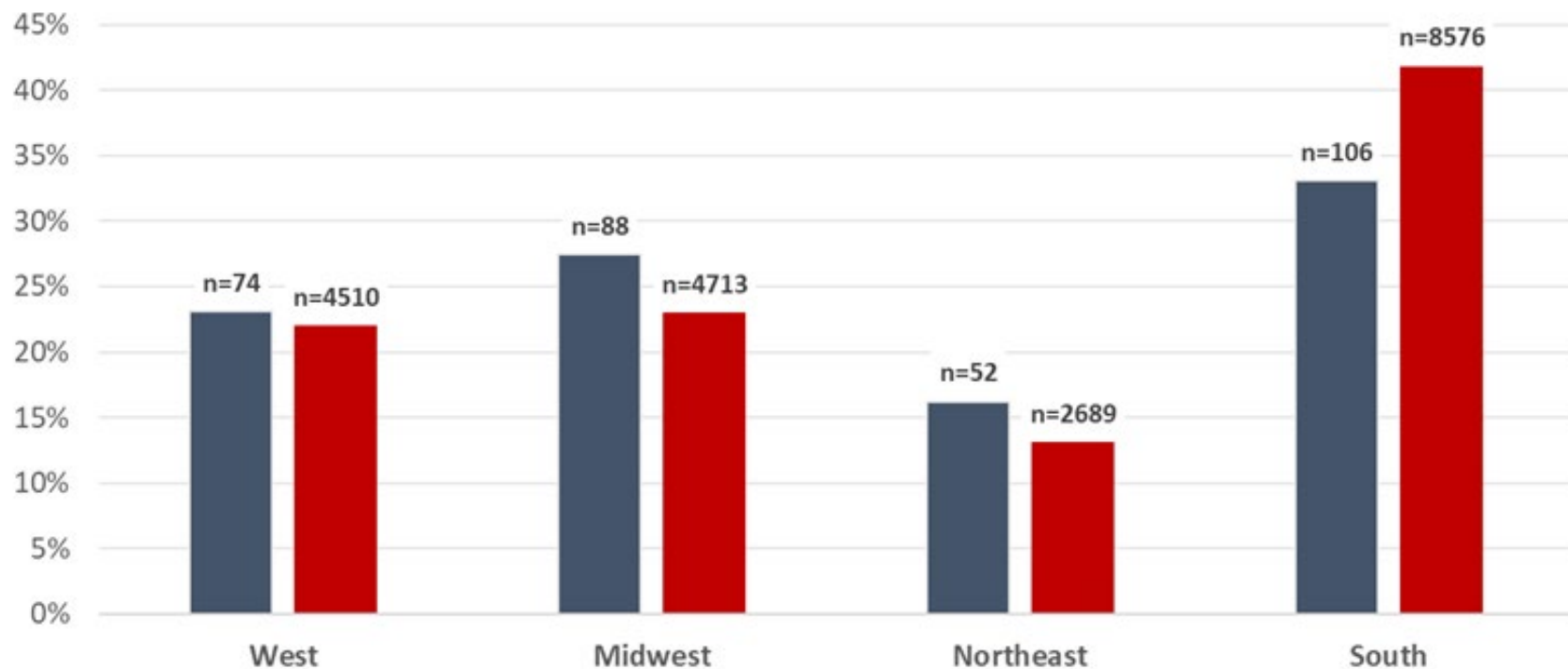




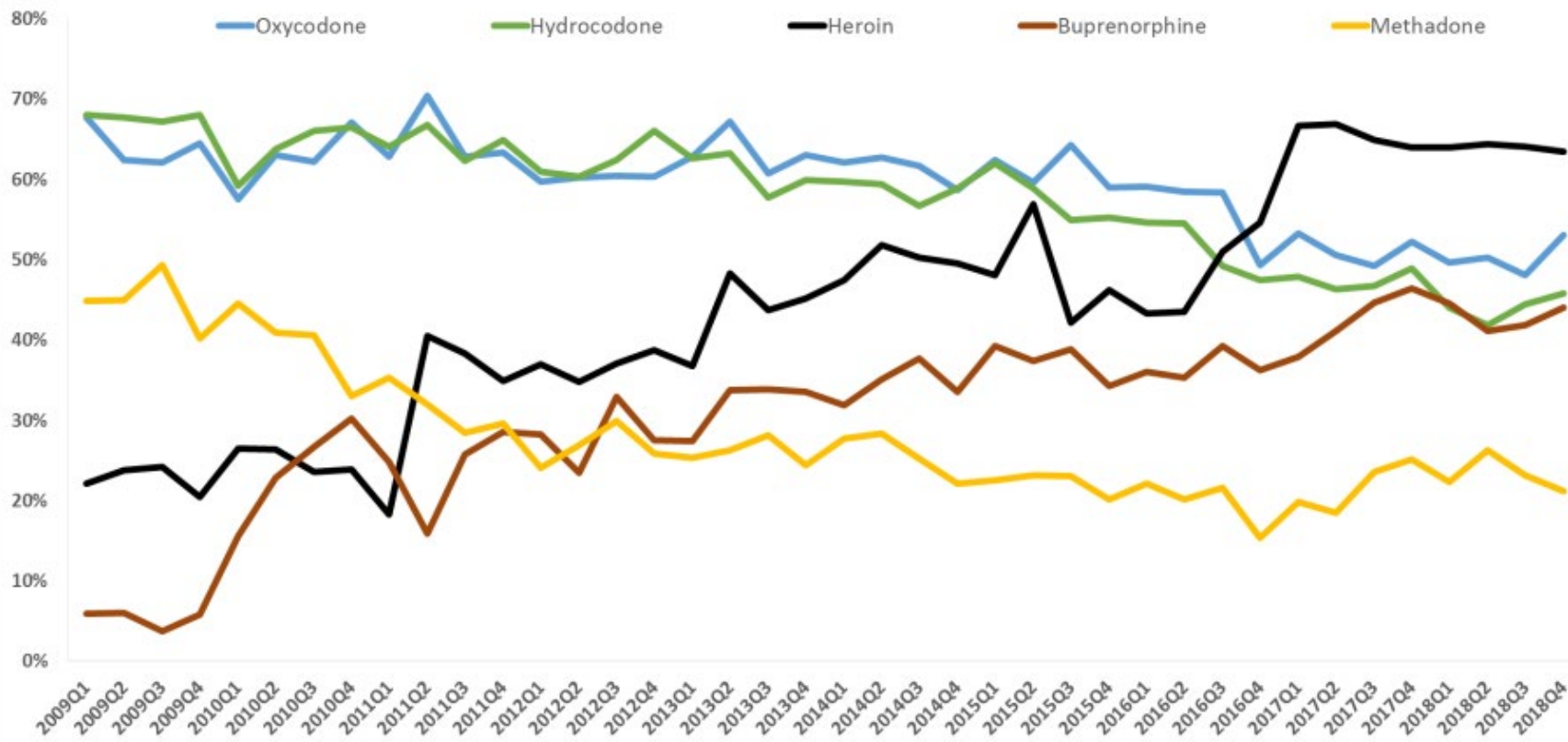
SKIP USA

Regional Distribution in SKIP-US

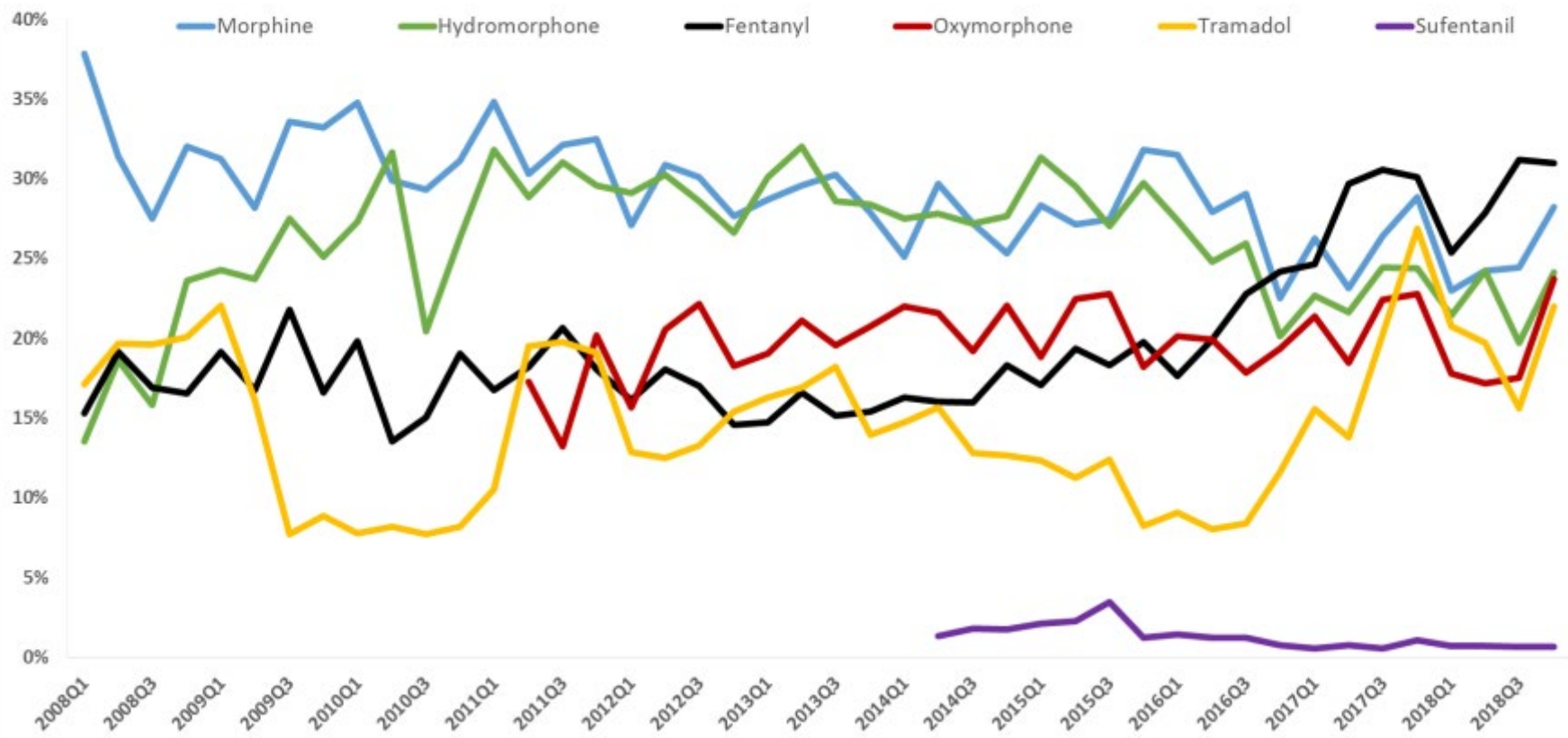
■ % of Total Tx Centers (N=320) ■ % of Total Respondents (N=20,488)



Past Month Opioid Use in SKIP-US
(N=21,438)



Past Month Opioid Use in SKIP-US
(N=21,438)





■ Comparison Canada and USA

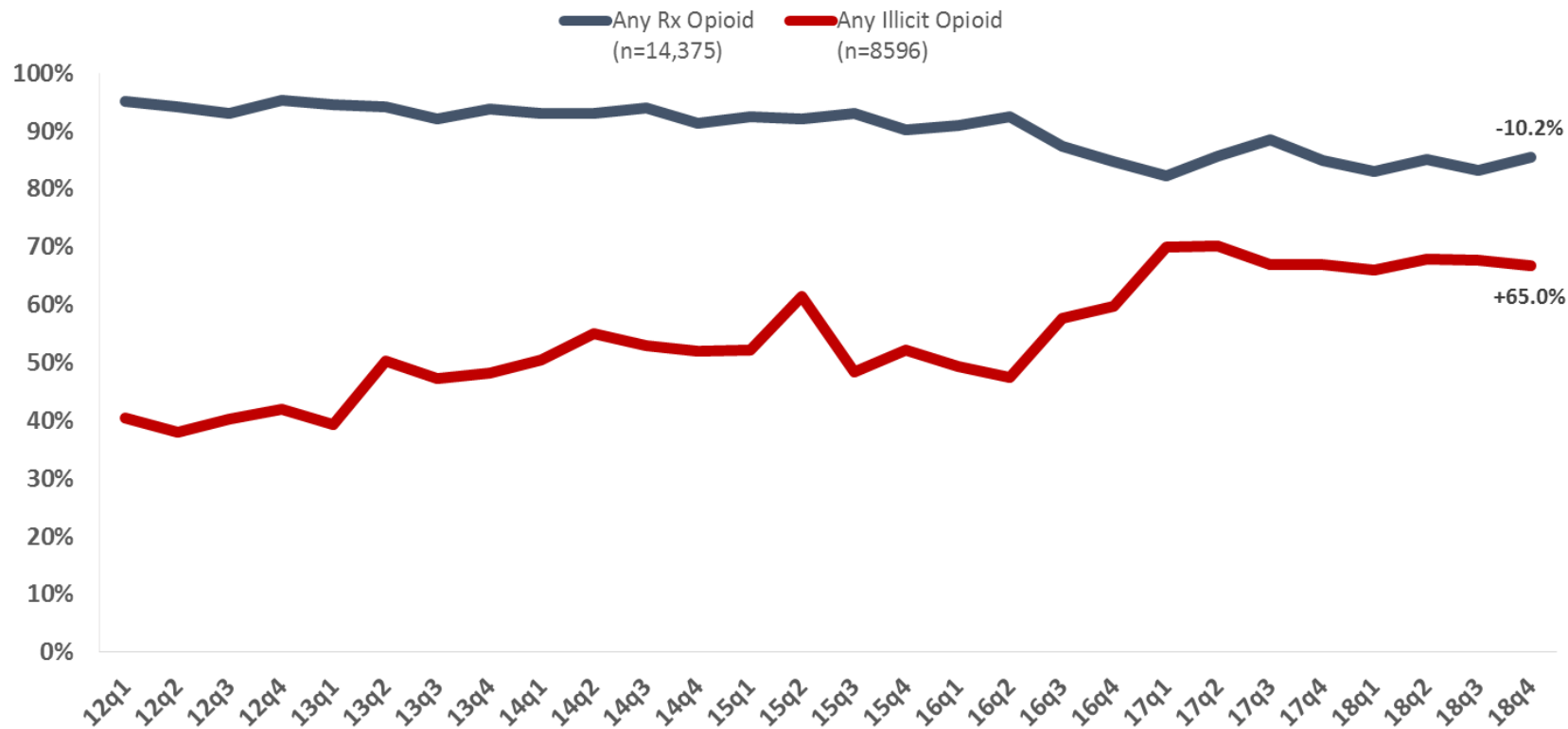


■ Canadian regional treatment centers:

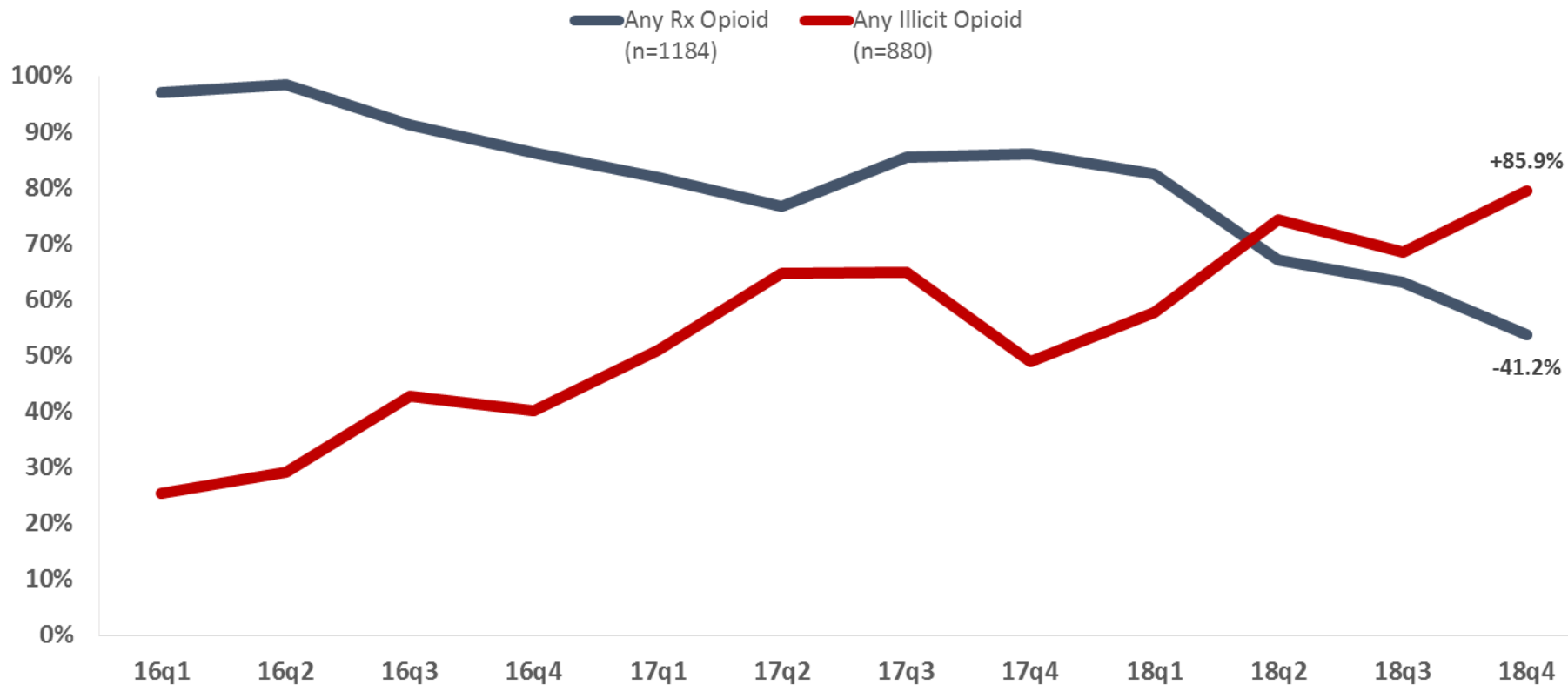
42 East

7 West

Past Month Opioid Use in SKIP-US (N=15,900)



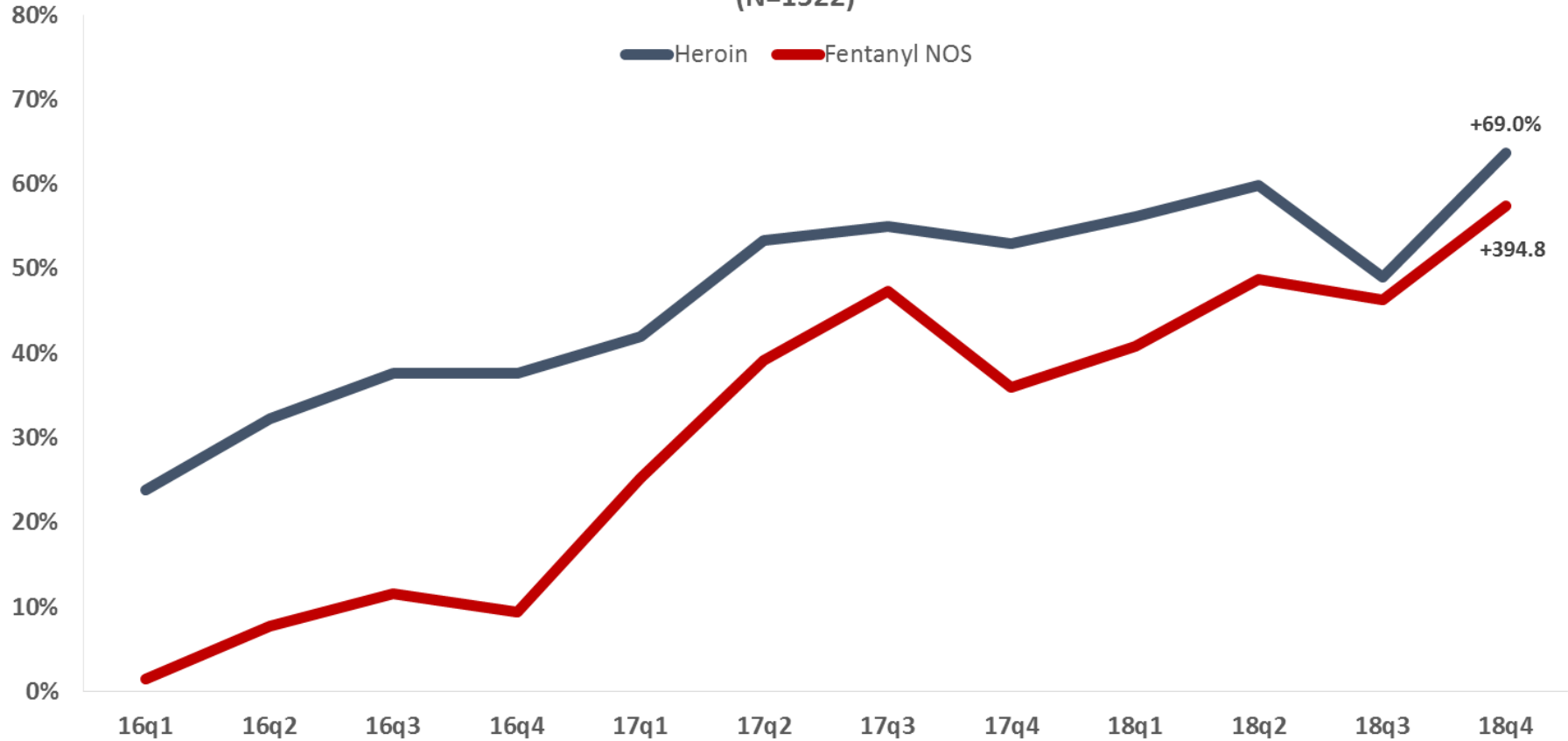
Past Month Opioid Use in SKIP-CA (N=1522)

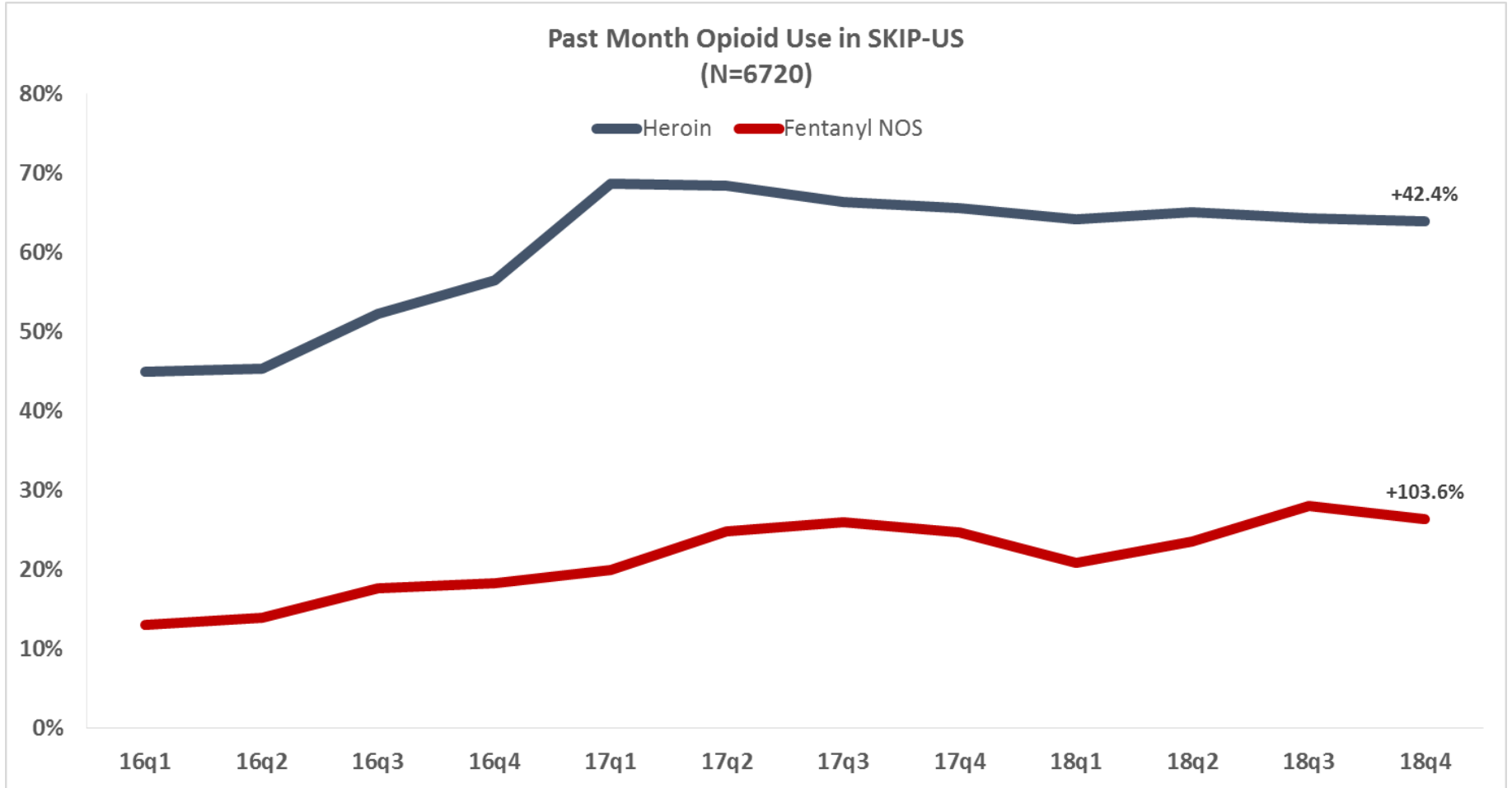




■ Heroin and Fentanyl (NOS)

Past Month Opioid Use in SKIP-CA (N=1522)



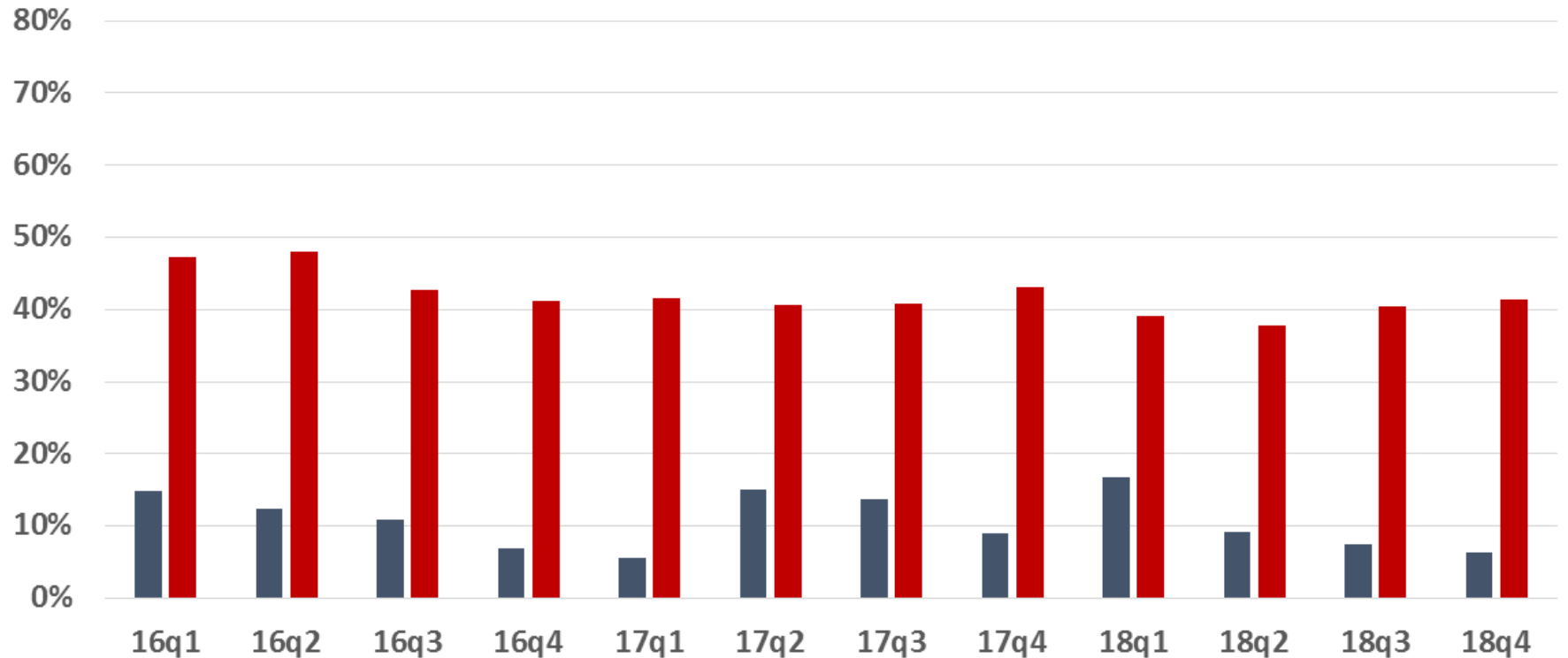




■ Canada vs. USA Individual Drugs

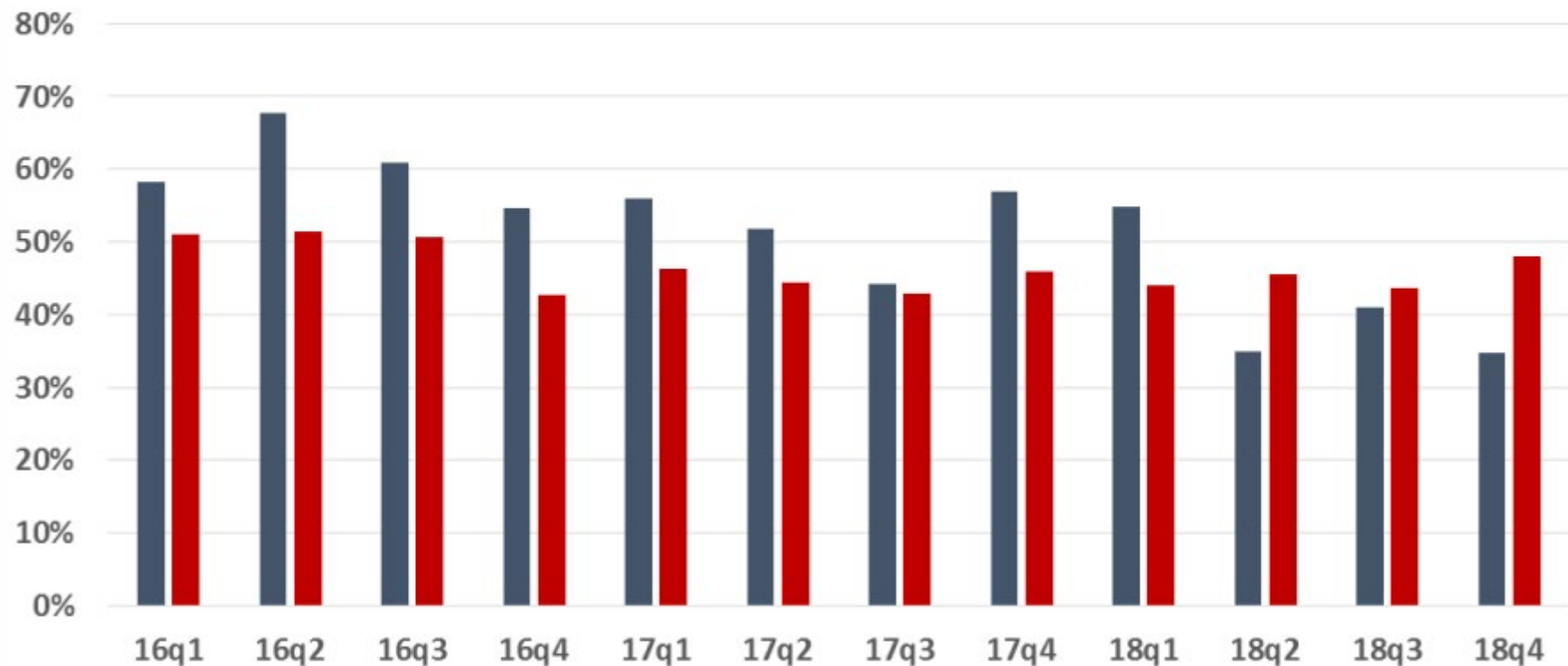
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Hydrocodone-CA ■ Hydrocodone-US



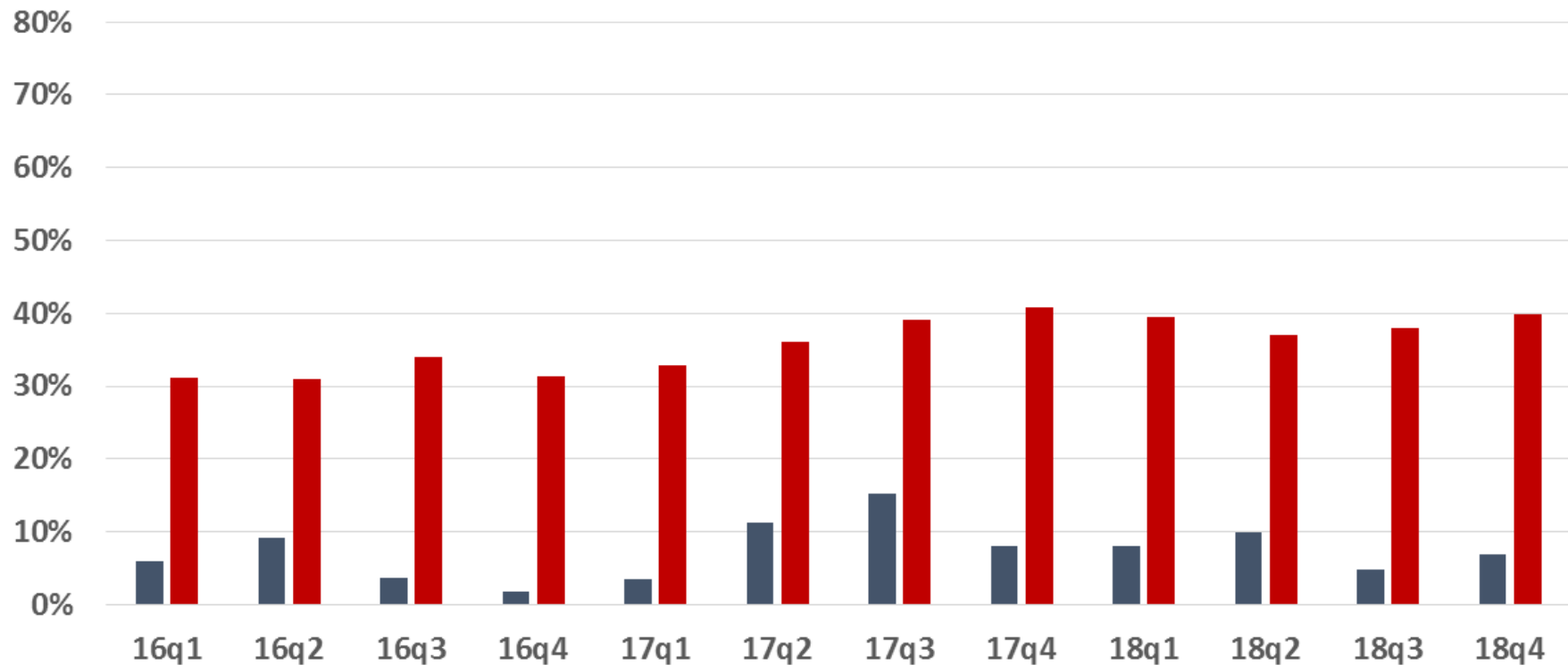
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Oxycodone-CA ■ Oxycodone-US



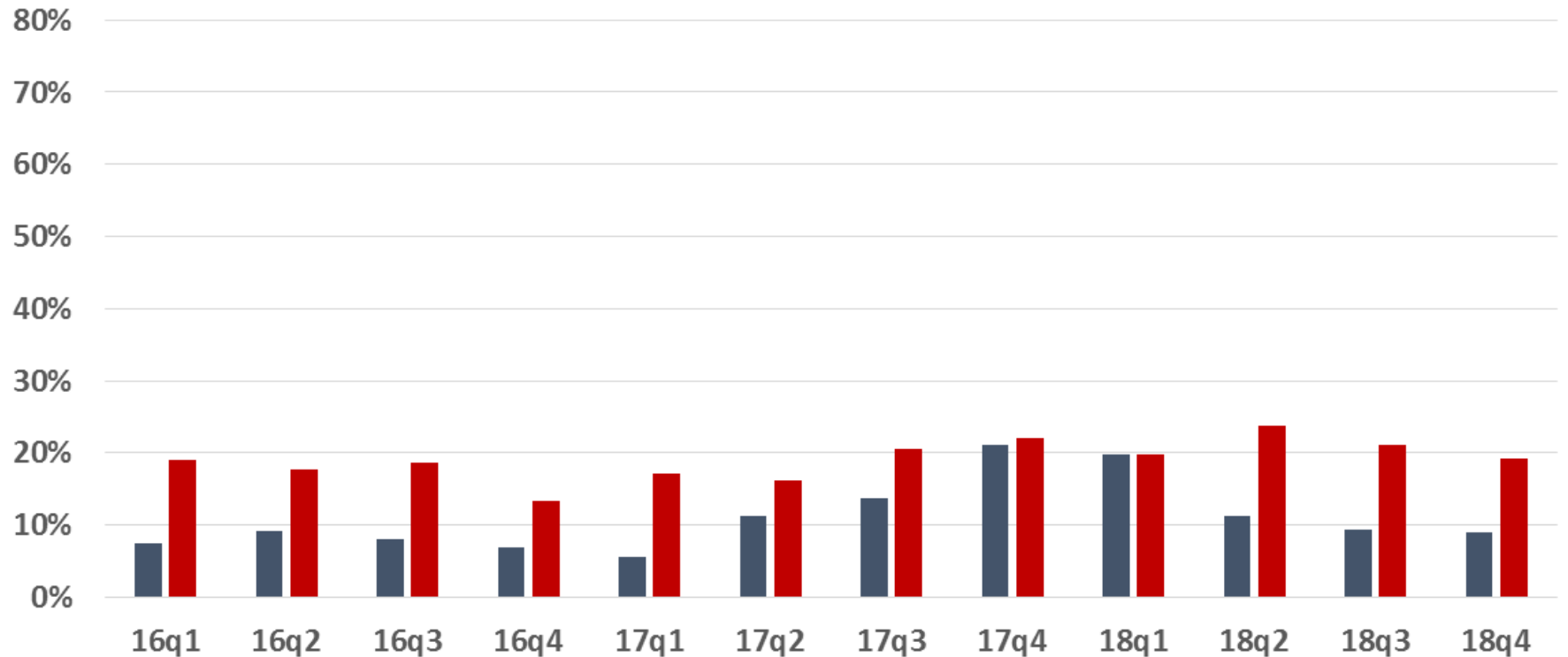
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Buprenorphine-CA ■ Buprenorphine-US



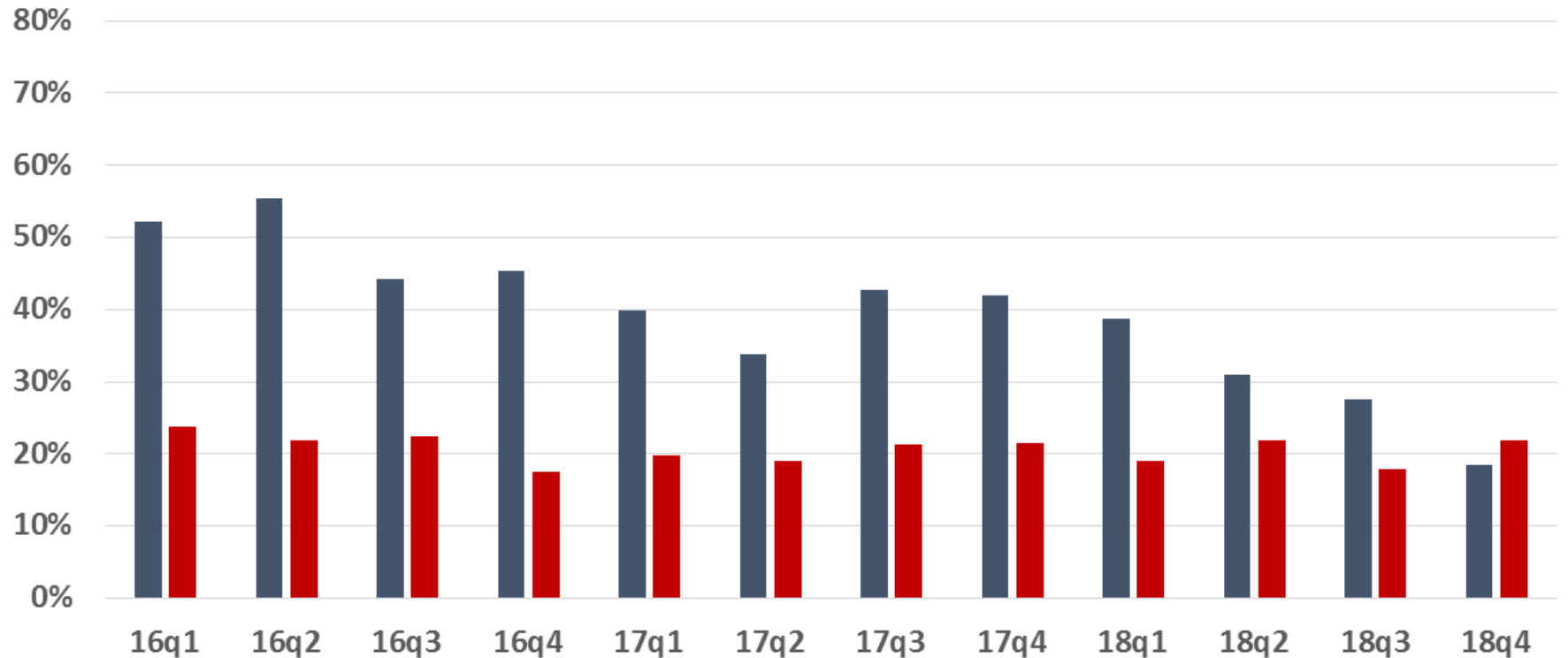
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Methadone-CA ■ Methadone-US



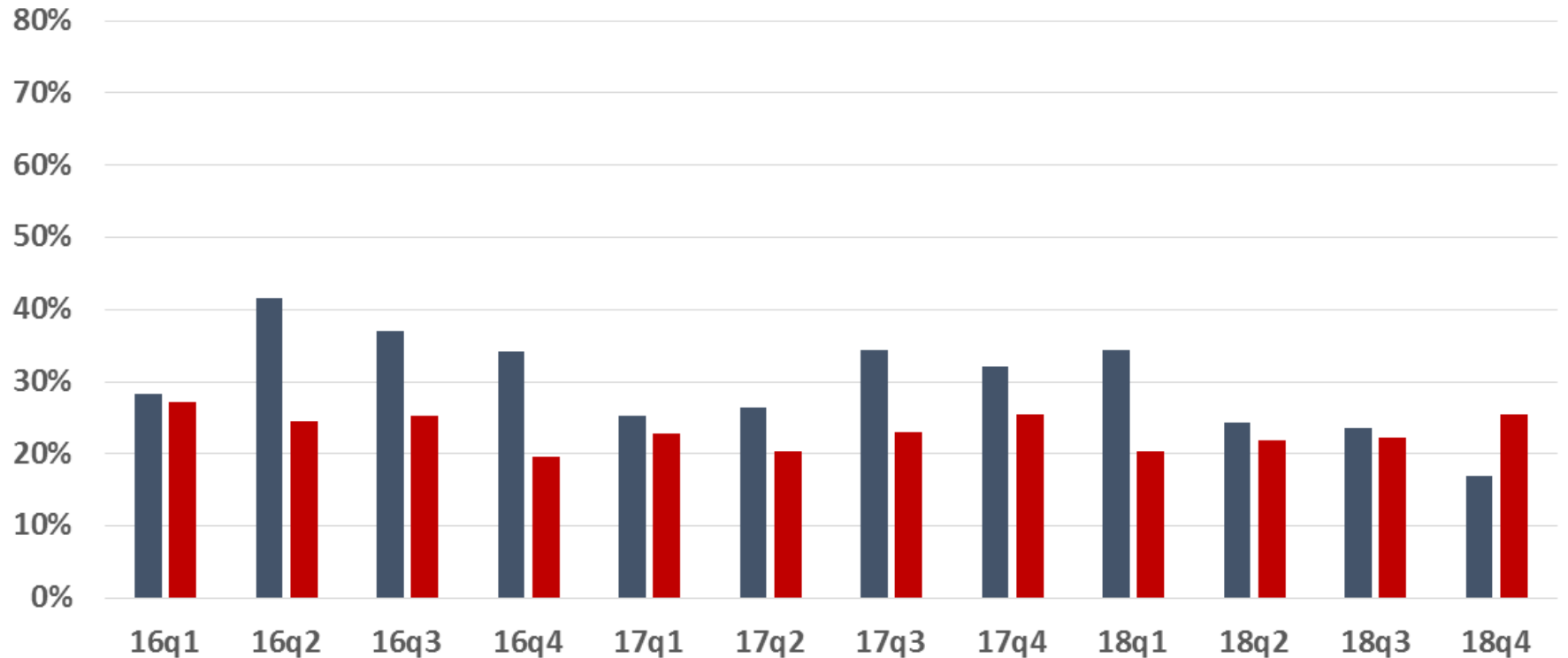
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Hydromorphone-CA ■ Hydromorphone-US



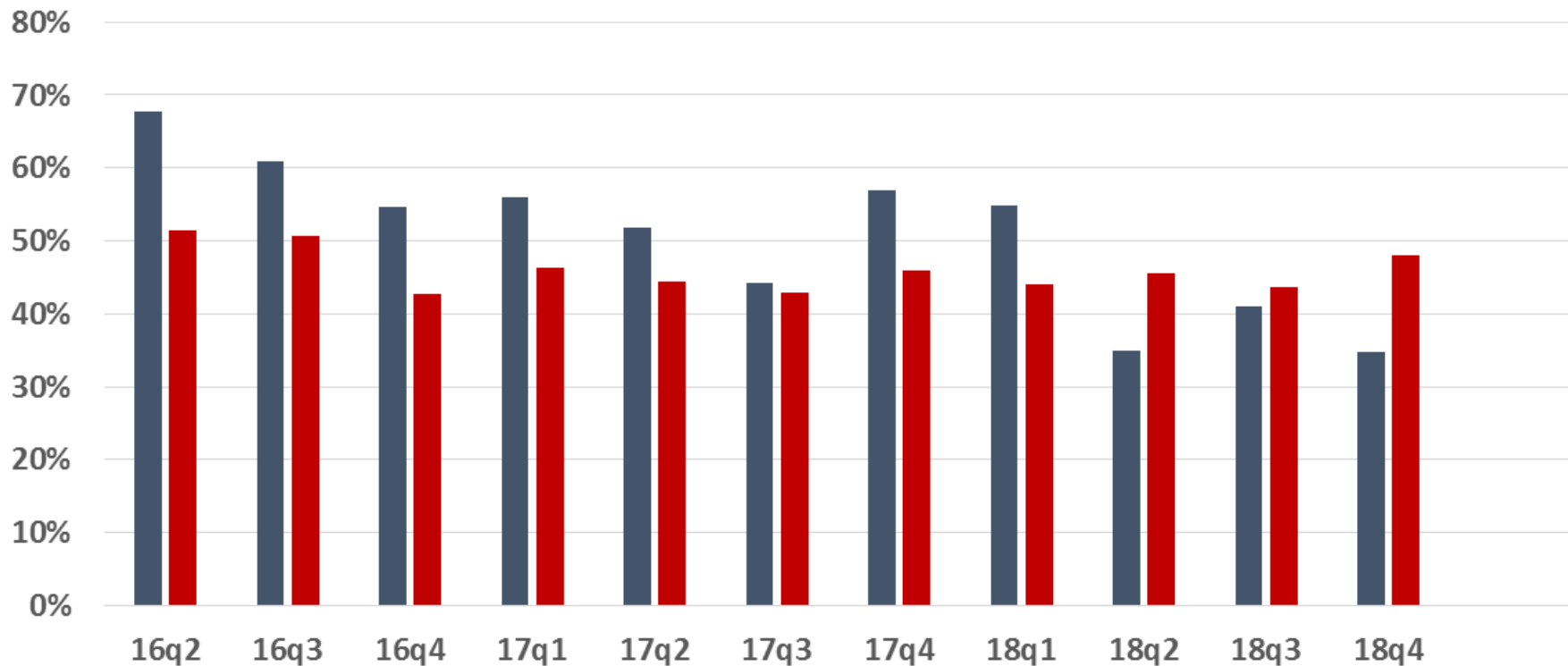
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Morphine-CA ■ Morphine-US



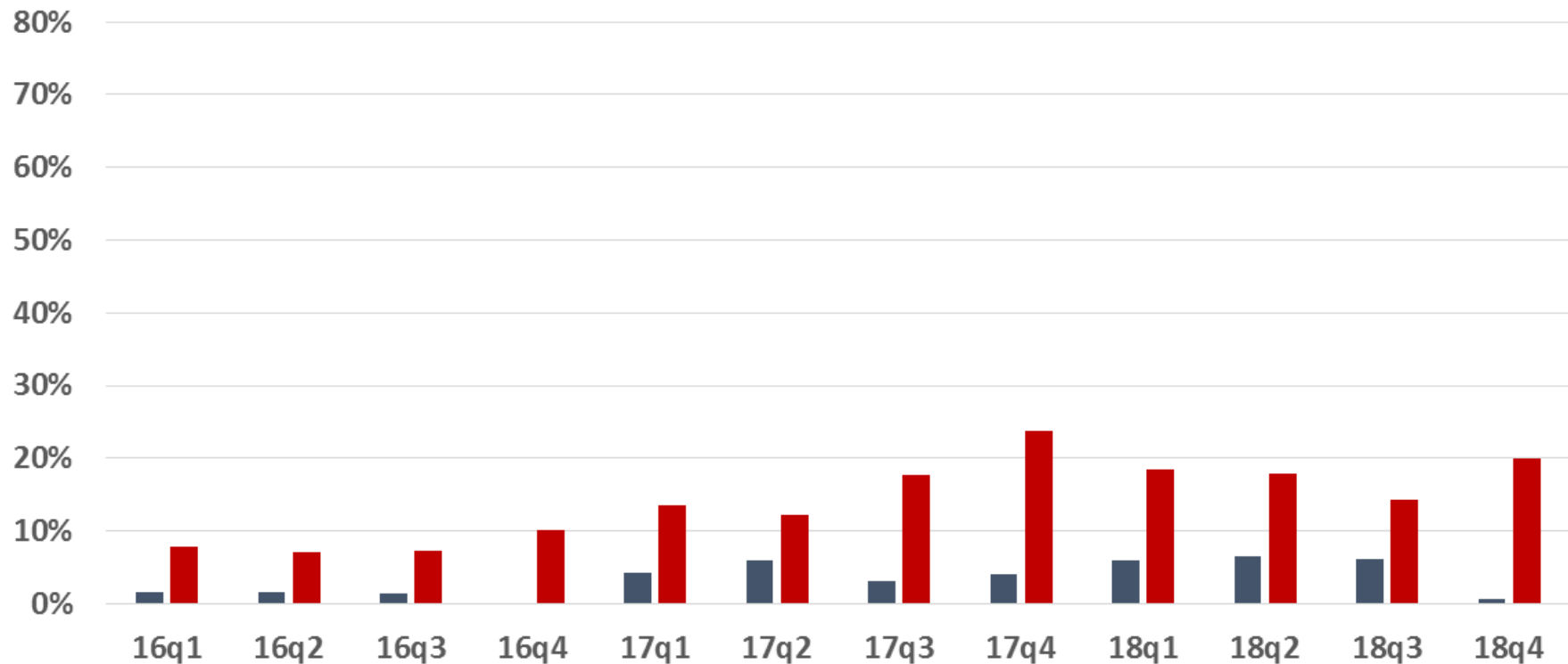
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Oxymorphone-CA ■ Oxymorphone-US



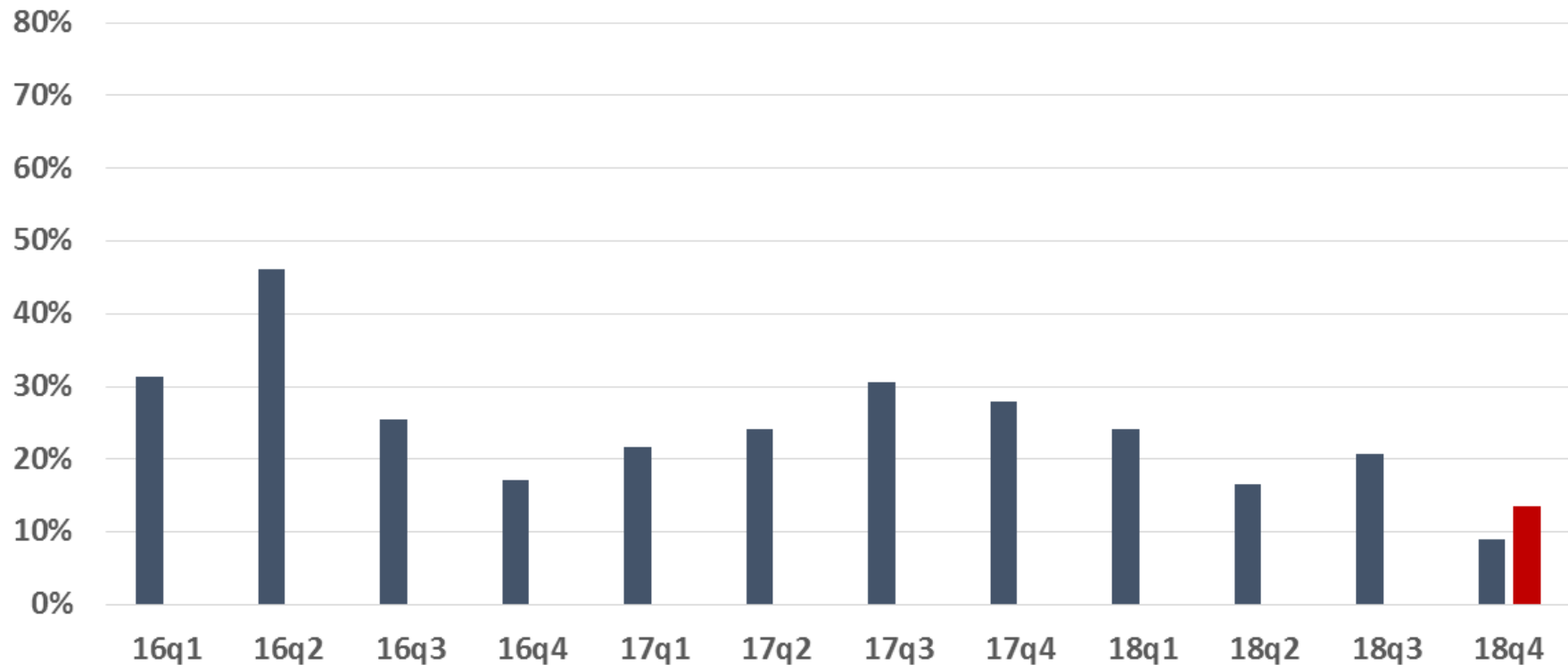
Past Month Opioid Use SKIP-CA v. SKIP-US

■ Tramadol-CA ■ Tramadol-US



Past Month Opioid Use SKIP-CA v. SKIP-US

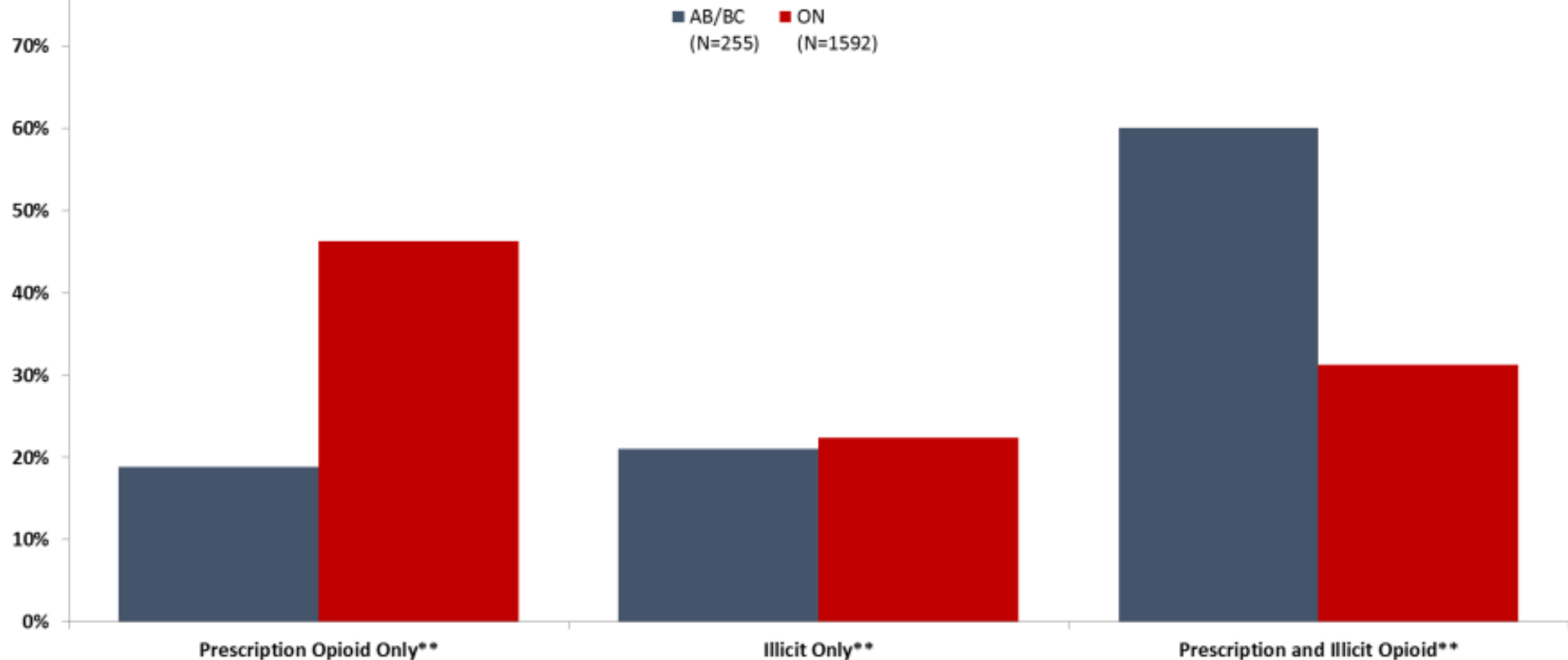
■ Codeine-CA ■ Codeine-US





■ Regional Differences in Canada

Past Month Opioid Use in SKIP-CA

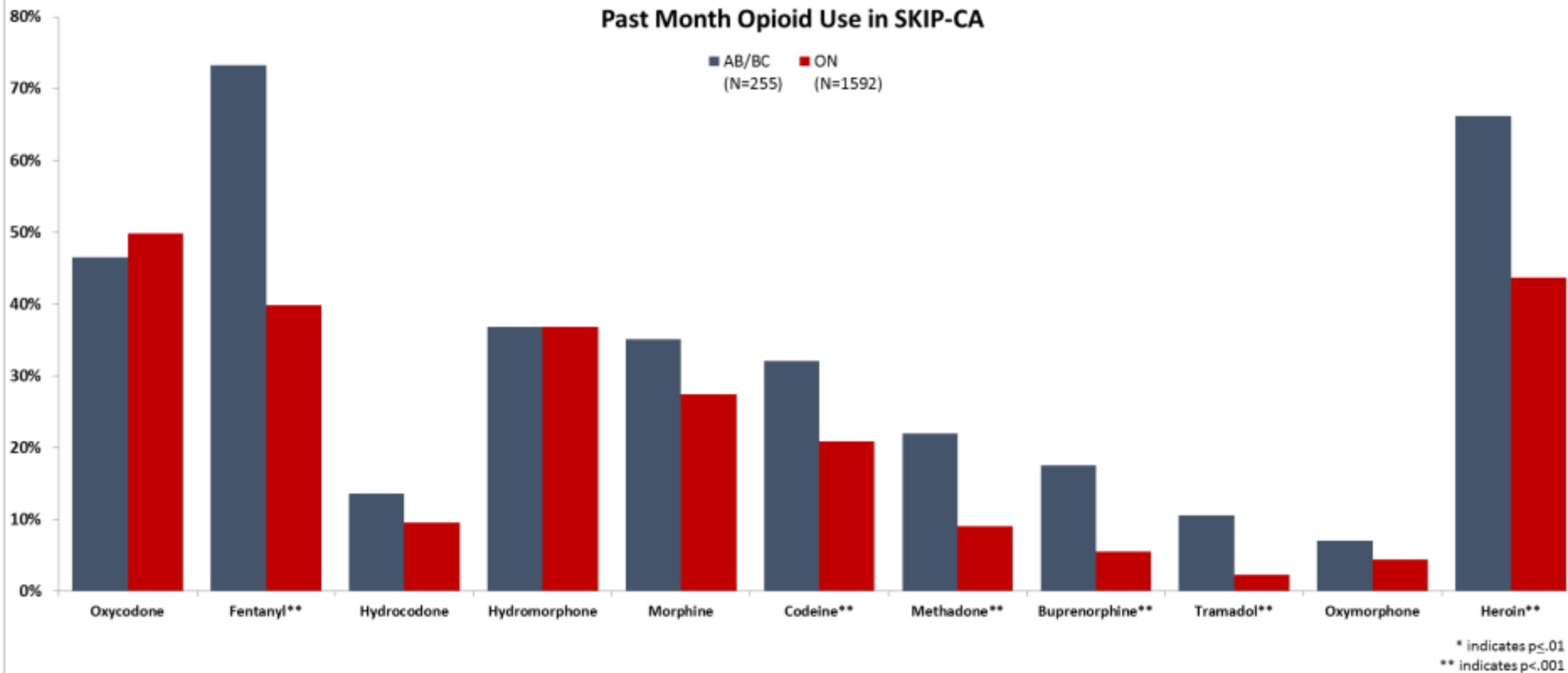


* indicates $p \leq .01$

** indicates $p < .001$

Past Month Opioid Use in SKIP-CA

■ AB/BC (N=255) ■ ON (N=1592)

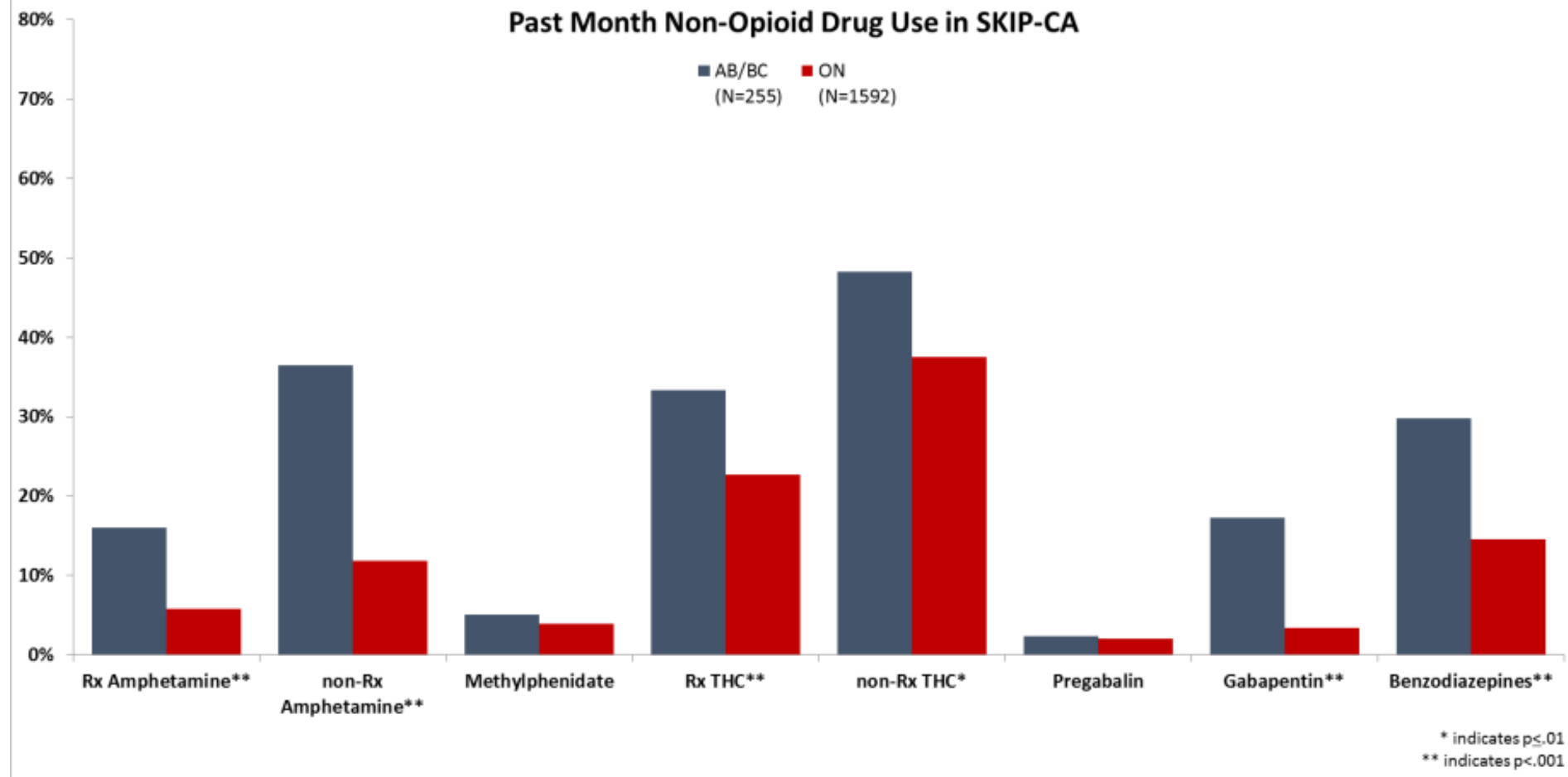


Past Month Non-Opioid Drug Use in SKIP-CA

■ AB/BC (N=255) ■ ON (N=1592)

Rx Amphetamine** non-Rx Amphetamine** Methylphenidate Rx THC** non-Rx THC* Pregabalin Gabapentin** Benzodiazepines**

* indicates $p \leq .01$
** indicates $p < .001$

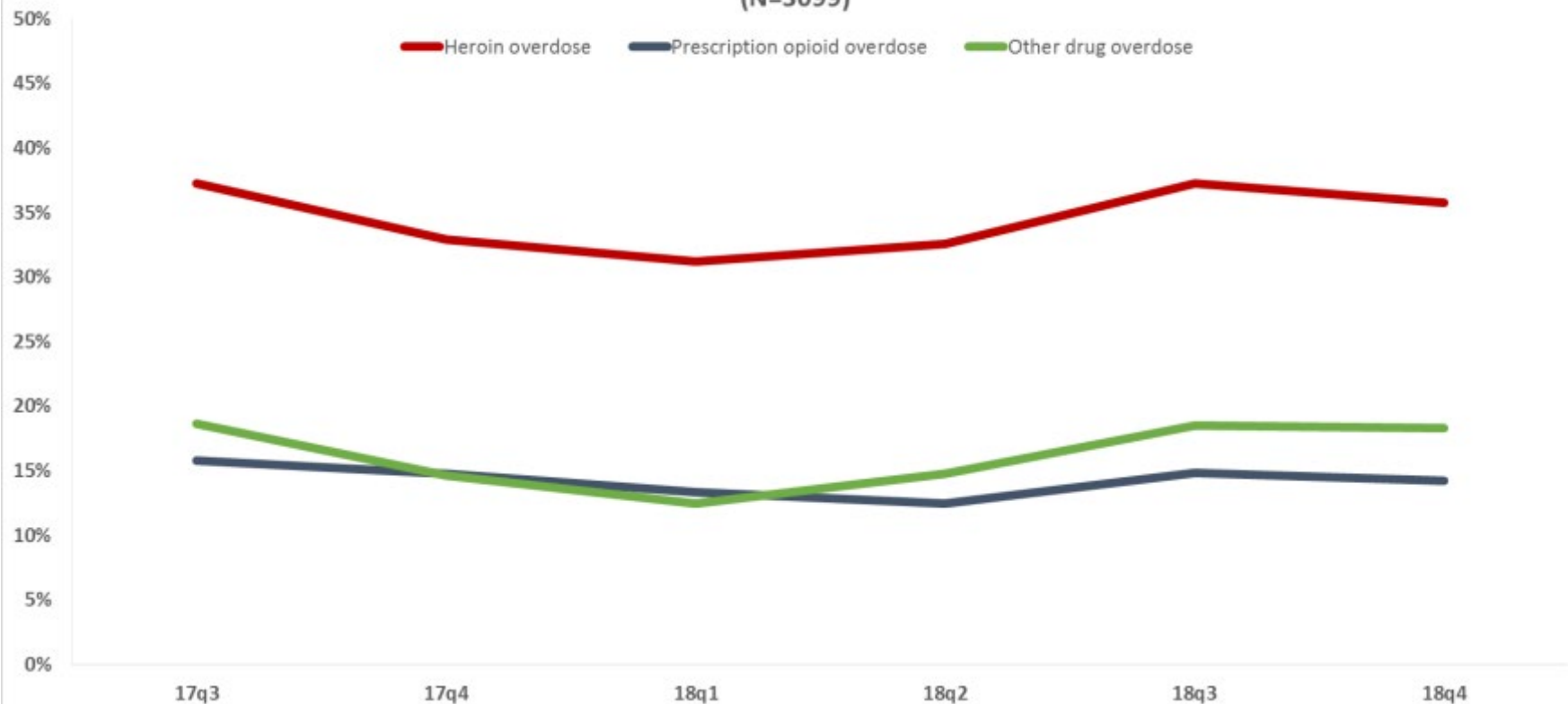




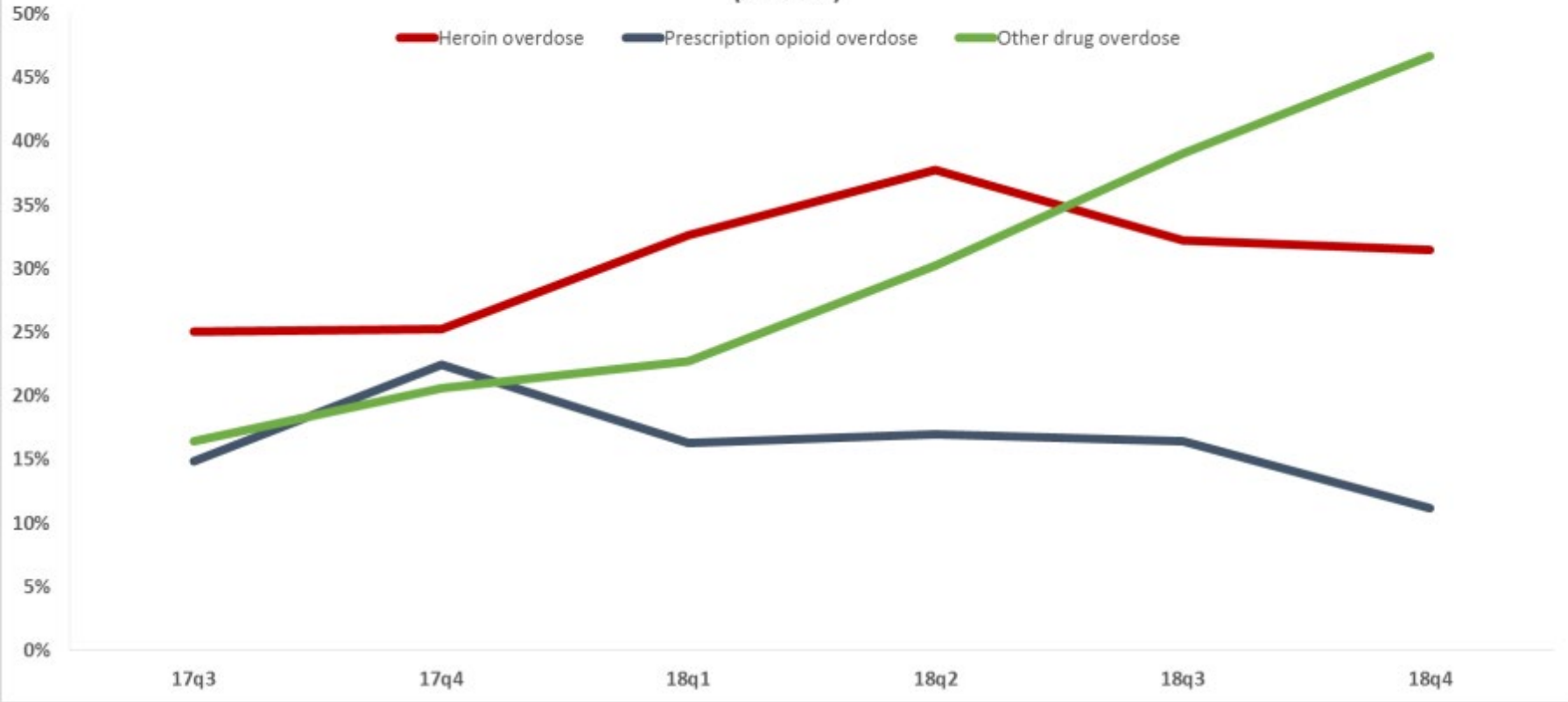
■ Drug Specific Overdoses – Canada and USA

Respondents Who Ever Sought Medical Treatment for Overdose in SKIP-US (N=3099)

Heroin overdose Prescription opioid overdose Other drug overdose



Respondents Who Ever Sought Medical Treatment for Overdose in SKIP-CA (N=1538)



Past Month Opioid Use in SKIP-CA (N=1522)

