

Washington State Health Care Authority

Chronic Opioid Use and Opioid Use Disorder

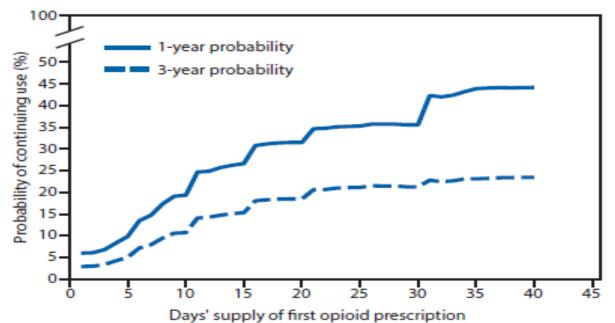
Charissa Fotinos, MD, MSc Deputy Chief Medical Officer May 25, 2017





Likelihood of opioid continuation varies with days prescribed

FIGURE 1. One- and 3-year probabilities of continued opioid use among opioid-naïve patients, by number of days' supply* of the first opioid prescription — United States, 2006–2015

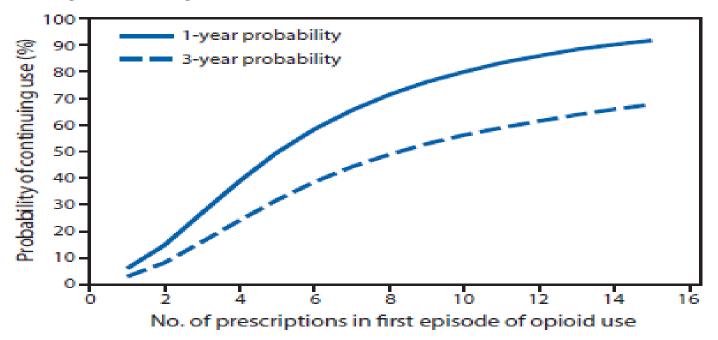


* Days' supply of the first prescription is expressed in days (1–40) in 1-day increments. If a patient had multiple prescriptions on the first day, the prescription with the longest days' supply was considered the first prescription.



Likelihood of opioid continuation increases with number of fills

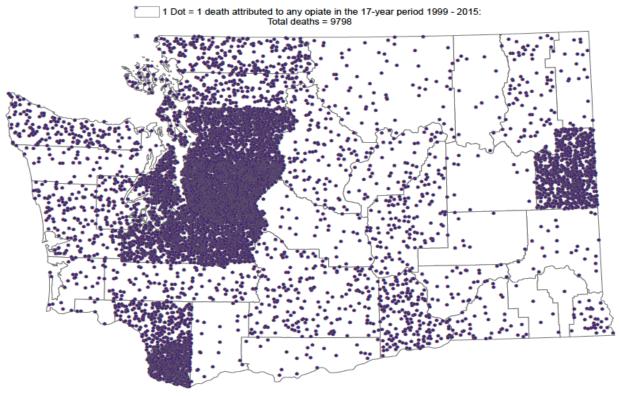
FIGURE 2. One- and 3-year probabilities of continued opioid use among opioid-naïve patients, by number of prescriptions* in the first episode of opioid use — United States, 2006–2015



* Number of prescriptions is expressed as 1–15, in increments of one prescription.

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Opioid Related Overdose Deaths 1999-2015



Data from Center for Health Statistics, Washington State Department of Health Dots randomly placed in county Residents who died outside Washington excluded.





Risks of Abuse or Opioid Use Disorder

Systematic Review Annals of Internal Medicine: Chou et. al. 2015

	Abuse or dependence	Abuse or dependence
Commercial Data Set	Low dose (<36 MED)	High dose (>120 MED)
	0.7% vs. 0.0004%	6.1% vs. 0.0004%
	OR 14.9 (95% CI, 10.4-21.5)	OR 122.5 (95% CI 72.8-206.0)
Primary Care	Abuse	Dependence
	0.6% -8%	3%-26%
Pain Clinic	Misuse	Addiction
	8% - 16%	2% - 14%
Aberrant drug related behaviors	6% -37%	

http://annals.org/aim/article/2089370/effectiveness-risks-long-term-opioid-therapy-chronic-pain-systematic-review



Models of treatment in primary care

Practice Based

- OBOT
- Buprenorphine HIV Evaluation and Support Collaboration Model
- One-stop shop model
- Integrated prenatal care and MAT

Systems based

- Hub and Spoke (VT)
- Medicaid health home model
- Project ECHO (NM)
- Collaborative opioid prescribing model (MD)
- Nurse Care Manager model (MA)
- ED initiation OBOT
- Inpatient initiation of MAT
- Southern Oregon Model

Chou R, Korthuis PT, Weimer M, Bougatsos C, Blazina I, Zakher B, Grusing S, Devine B, McCarty D. Medication-Assisted Treatment Models of Care for Opioid Use Disorder in Primary Care Settings. Technical Brief No. 28. (Prepared by the Pacific Northwest Evidence-based Practice Center under Contract No. 290-2015-00009-I.) AHRQ Publication No. 16(17)-EHC039-EF. Rockville, MD: Agency for Healthcare Research and Quality. December 2016.





Questions?

