Demographic Risk Factors for Opioid Overdose

Certain demographic characteristics may place an individual at increased risk for opioid overdose and related substance misuse. This resource summarizes findings from research literature on demographic risk factors.

**GENDER**

- **Male.** Being male is associated with increased overdose risk\(^1,2,3,4,5\) and risk of opioid abuse or dependence.\(^6,7,8\)

- **Female.** Overdose rates for women are increasing faster than male rates.\(^9,10\) Women receiving Medicaid\(^3\) and women after prison release\(^11\) are at increased risk for overdose.

**AGE**

- **Ages 45-54.** Increased overdose risk is associated with individuals between the ages of 45 and 54.\(^1\)

- **Ages 18-25.** Increased opioid dependence or abuse risk is associated with individuals between the ages of 18 and 25.\(^7\)

- **Ages 18-64.** Increased risk for opioid abuse is associated with individuals between the ages of 18 and 64.\(^12\)

- **Middle Age.** Being “middle age” is associated with increased overdose risk\(^2,9,13\) and opioid abuse or dependence.\(^6\)

- **Older Age.** Being “older age” is associated with increased overdose risk in some studies\(^3,14\) and decreased overdose risk in other studies.\(^3\) Older adults who are privately insured are associated with decreased overdose risk.\(^3\) Older adults who use illicit opioids and injected drugs are associated with increased overdose risk.\(^15,16\)

**RACE**

- **Non-Hispanic White.** Being white (non-Hispanic) is associated with increased overdose risk\(^1,2,3,4,13\) and risk of opioid abuse or dependence.\(^7\). White individuals who use injected drugs are associated with increased overdose risk.\(^16\)

- **All Races:** Deaths from heroin overdose have increased in the past decade among non-Hispanic white, black, Hispanic, Native American, and Asian individuals. The most significant
increases were among non-Hispanic white, Native American and black—rates more than quadrupled between 2010 and 2014 among these four groups.

GEOGRAPHIC LOCATION

- Rural. Living in a rural setting is associated with increased overdose risk.
- Urban. Living in an urban setting is associated with increased overdose risk and risk of opioid abuse or dependence.

SOCIOECONOMIC STATUS

- Low Income. Former prison inmates with low incomes are at increased risk for overdose. (NOTE: Data is from a qualitative study.)

HOUSING STATUS

- Lack of Permanent Housing. Individuals without permanent housing are associated with an increased risk for opioid dependence or abuse.

EDUCATION LEVEL

- Low Education Level. Individuals with less education are associated with increased risk for overdose (NOTE: Study looked only at participants from a syringe program in Seattle).

MARITAL STATUS

- Not Married. Individuals who are not married are associated with an increased risk of overdose.

VETERAN STATUS

- Veterans Receiving Opioids and Benzodiazepines. Veterans who are concurrently prescribed benzodiazepines and opioids are at increased risk for overdose.
- Veterans with Mental Health Disorders. Veterans with mental health disorders, including PTSD, are more likely to be prescribed opioid pain relievers and are more likely to experience adverse clinical outcomes (including overdose).

LGBT STATUS

- Lesbian, Gay and Bisexual (LGB) Youth and Adults. LGB youth and adults are at increased risk for substance use, including heroin.
• **Injection Drugs.** Individuals who inject drugs are at increased risk for overdose and other adverse health outcomes.²⁵

REFERENCES


