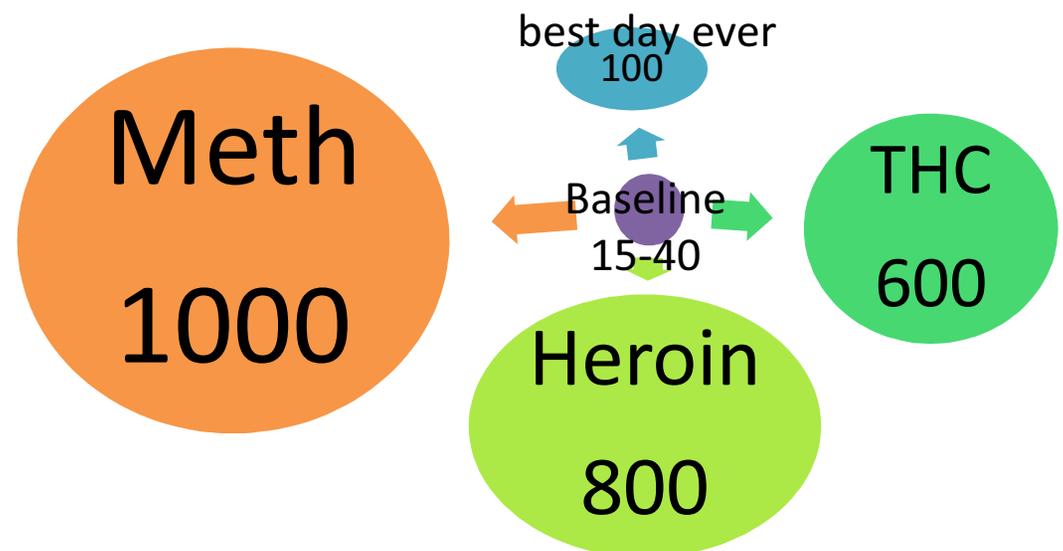
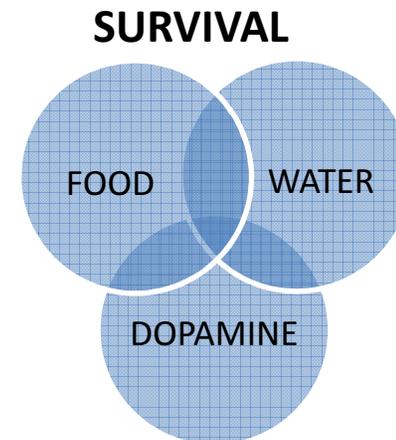


Character Issue Or Disease?



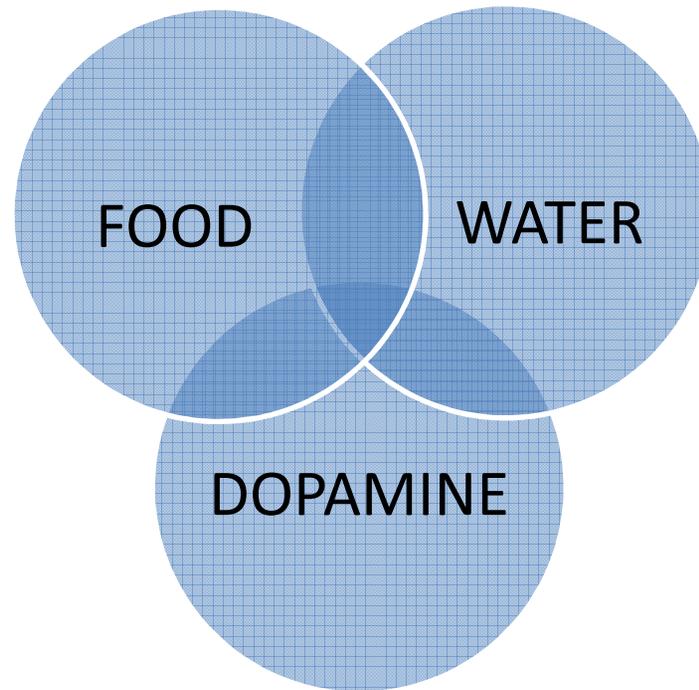
Understanding Addiction

- Addiction affects about **1%** of population, 23 million
- Only **10%** are receiving treatment
- **Genetic** component **** Take a Family History**
- Starts in middle school
- **Dopamine receptors depleted** = increased circulating dopamine, the **new “normal”** requirement for dopamine is increased



From lecture by Dr. Corey Waller

Survival



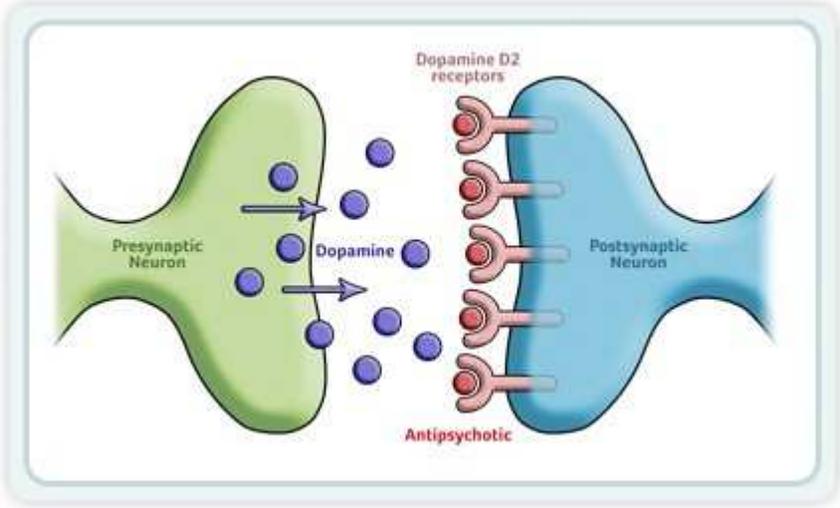
Methampheta
mine

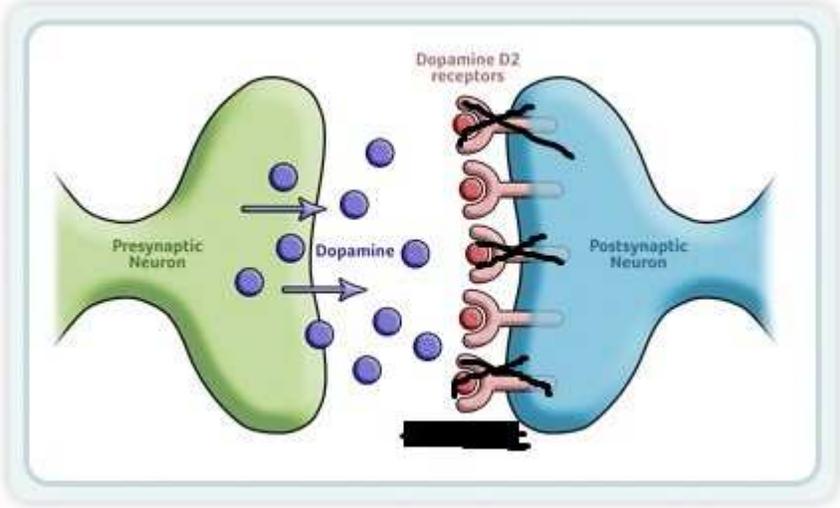
Best Day Ever



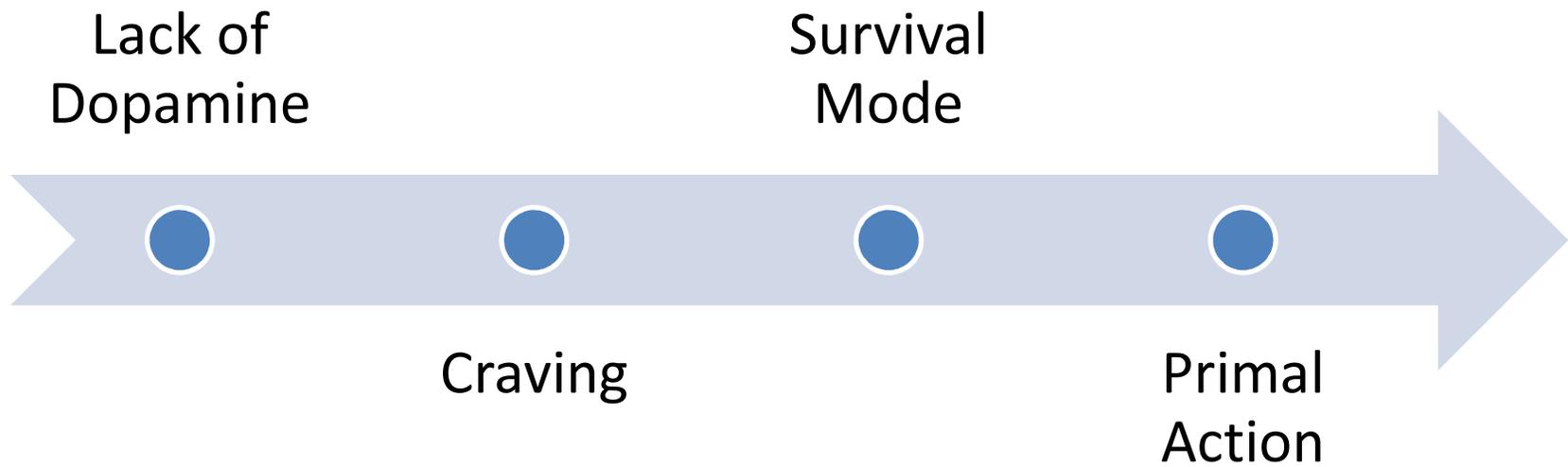
Heroin

Marijuana

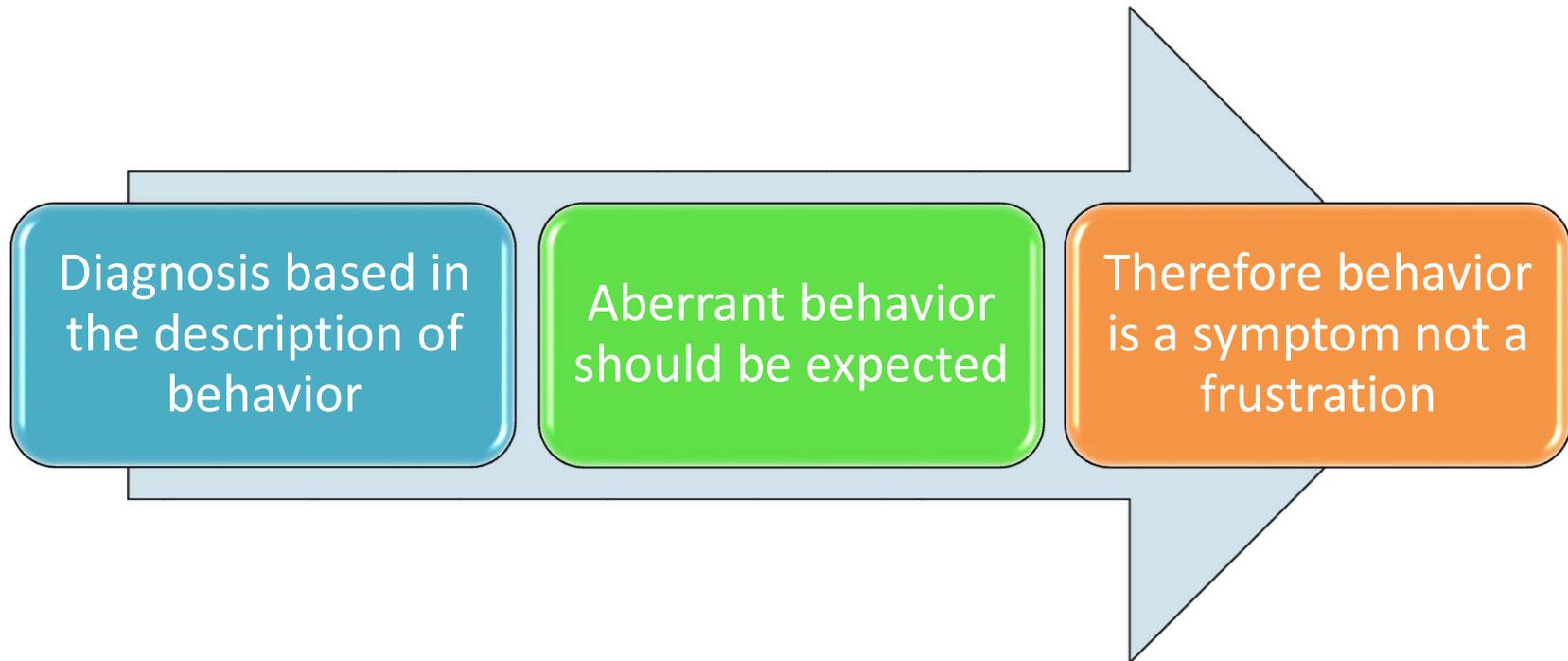




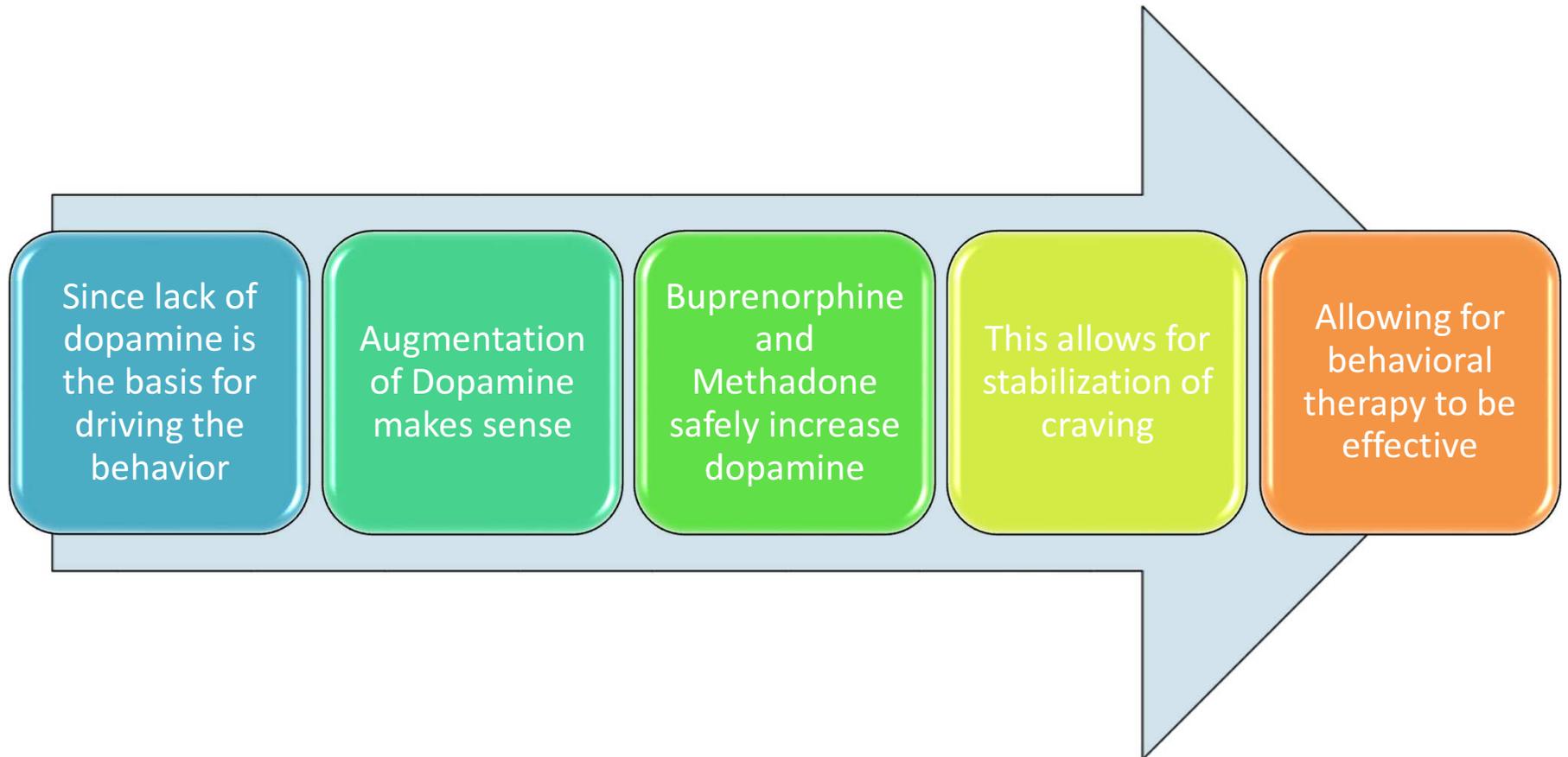
Behavior



Behavior



Treatments



Compare to diabetes

Genetic risk

Lifestyle factors

Socioeconomic factors

Food/Sugar “Addiction”

Would you tell a diabetic, “I won’t treat you if you eat cake?”

Goals Abstinance or Harm Reduction?

Treatment retention rates 1 year

MAT (Medication Assisted Treatment) 67%

Abstinance based 7-25%

Suboxone 2 medication combo

-Buprenorphine-partial agonist

-Naloxone-blocker

-No “high” but reduces

cravings

**-Ceiling effect for respiratory
depression**

**-May improve chronic pain
control**

Decreased

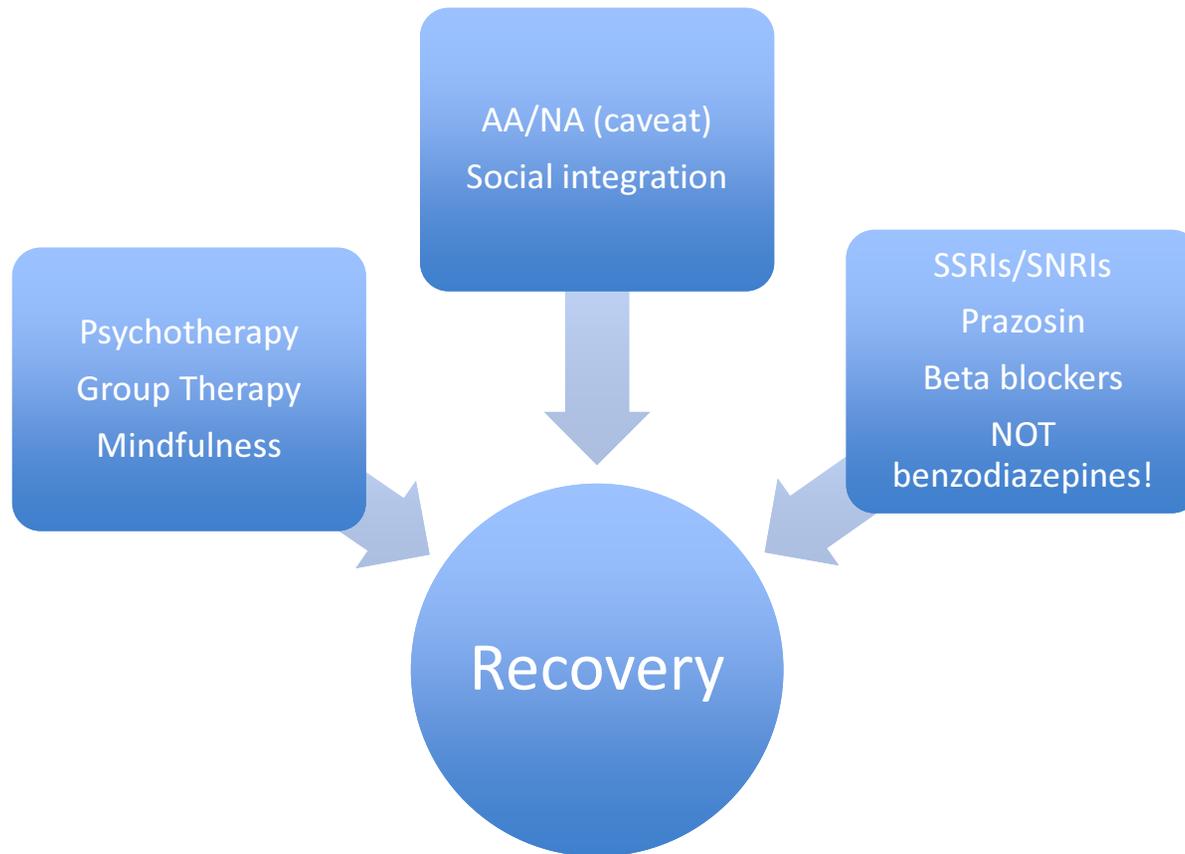
Mortality 50%

Criminal Activity

Illegal Drug Use

HIV/Hepatitis C infections

Patients can then stop survival mode behaviors and do other work to up regulate dopamine receptors, start other medications that help with neurotransmitter issues, and learn other strategies to increase their native dopamine/endorphin production



DEA “waiver” must be obtained to prescribe as treatment for opioid use disorders.

**8 hours minimum required for physicians-
Can be obtained on line**

Because of the naloxone “blocker,” anyone currently on opioids needs to go through a process called “induction” to avoid precipitated withdrawal.