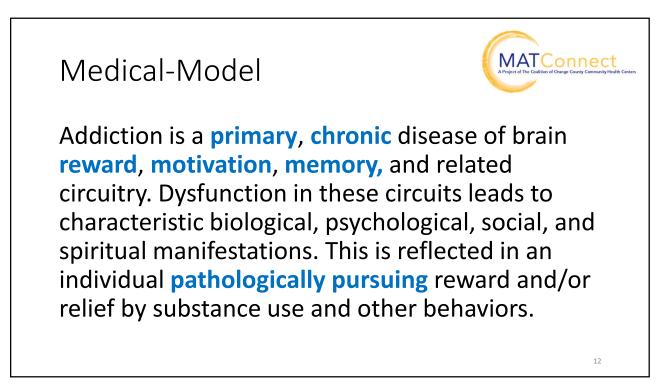


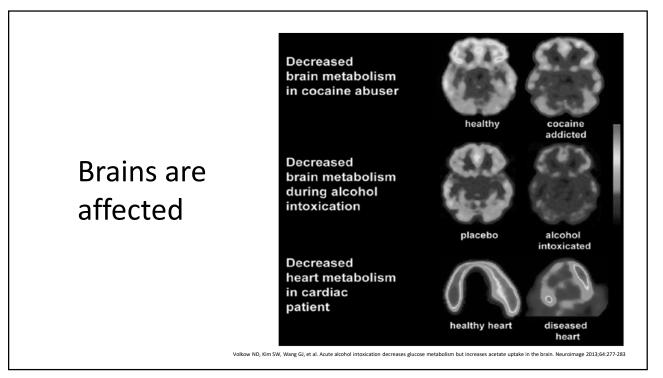


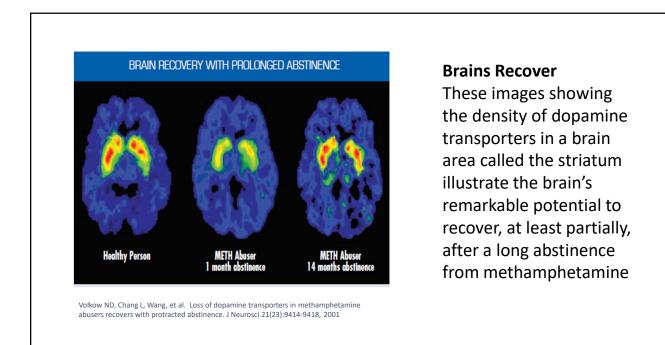




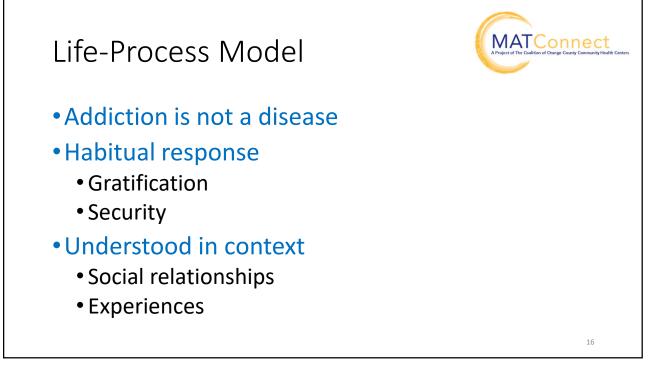
In the past, addiction was about **drugs** The new definition of addiction is about **brains** 



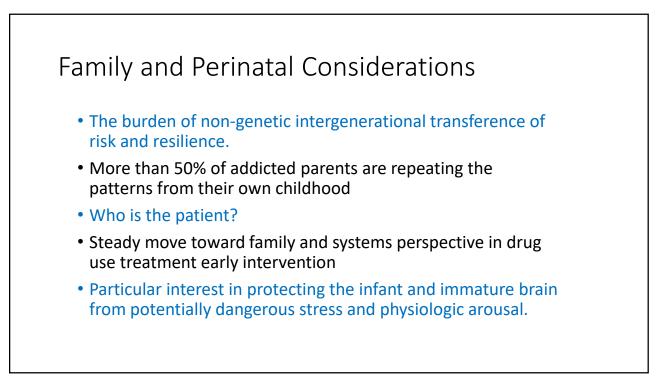




"...a disease is a <u>cluster of symptoms</u> and /or <u>signs</u> with a more or less <u>predictable</u> course."
The cluster may be associated with physical abnormality or may not.
Page x, Psychiatric Diagnosis, 1<sup>st</sup> Ed, 1994, Woodruff, Goodwin, Guze



Older Terms	Newer Terms	
The War on Drugs	Treatment	
Junkie, addict, drug abuser, alcoholic, drunk	Someone with a substance use disorder, person in active addiction	
Clean, Dirty	Negative, positive, substance-free	
User	Person who misuses drugs/alcohol	
Habit or Drug Habit	Substance misuse disorder, alcohol and drug disorder, addictive disease	
IV drug user	Person Who Injects Drugs (PWID)	
Addicted baby	Babies exposed to opioids	
Medication-Assisted Treatment, Replacement therapy, substitution therapy	Medication for opioid or alcohol use disorder	



# Complications

# **Maternal Health**

- Comorbid medical
- Comorbid psychiatric
- Placental abruptions
- Premature labor
- Violence

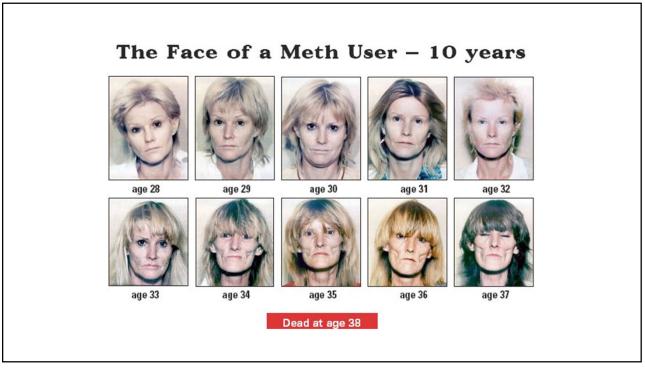
# **Infant Health**

- Teratogenicity
- Low Birth Weight
- Exposure to Hep C, HIV and other STIs
- NOWS
- Stillbirths

### **Social**

- Child Welfare Reporting
- FOB
- Extended family
- Employment
- Housing
- Enrollment in assistance programs

# STIGMA



### DSM-V: Opioid Use Disorder Craving or strong desire to use ✓ \*Tolerance opioids \*Withdrawal Recurrent use resulting in failure to ✓ Use in larger amounts or fulfill major role obligations duration than intended Recurrent use in hazardous ✓ Persistent desire to cut down situations Continued use despite social or ✓ Giving up interests to use opioids interpersonal problems caused or 1 Great deal of time spent exacerbated by opioids obtaining, using, or recovering Continued use despite physical or from opioids psychological problems \*This criterion is not considered to be met for Mild OUD: 2-3 Criteria those individuals taking opioids solely under Moderate OUD: 4-5 Criteria appropriate medical supervision Severe OUD: >6 Criteria American Psychiatric Association. (2013). Diagnostic and statistical manual of mental disorders (5th ed.)

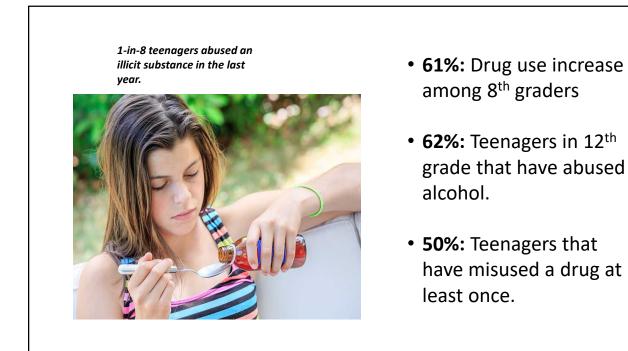
21



Among pregnant and postpartum persons, drug overdose mortality increased by approximately 81% from 2017-2020.

Bruzelius E, Martins SS. US Trends in Drug Overdose Mortality Among Pregnant and Postpartum Persons, 2017-2020. JAMA. 2022;328(21):2159–2161. doi:10.1001/jama.2022.17045

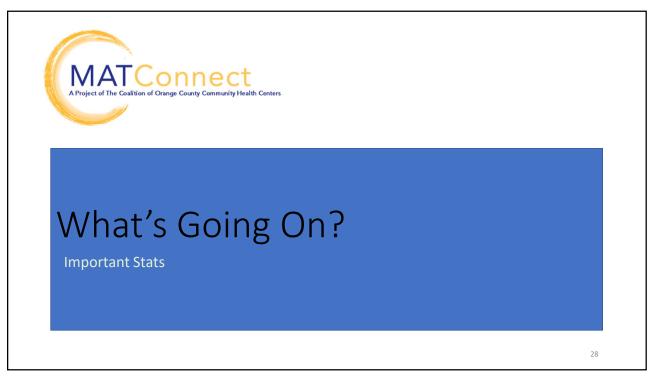


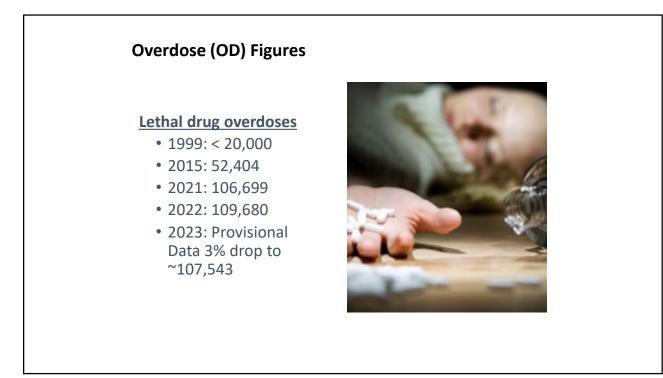


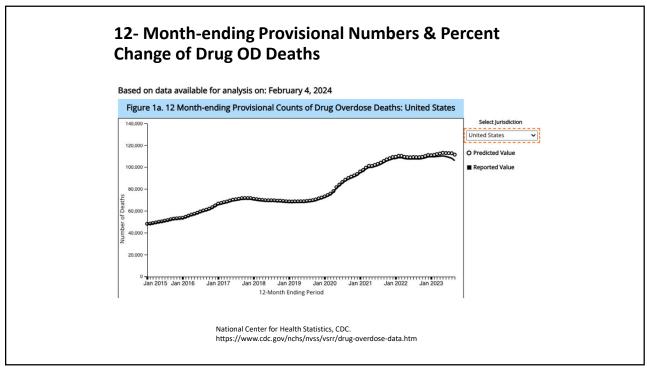


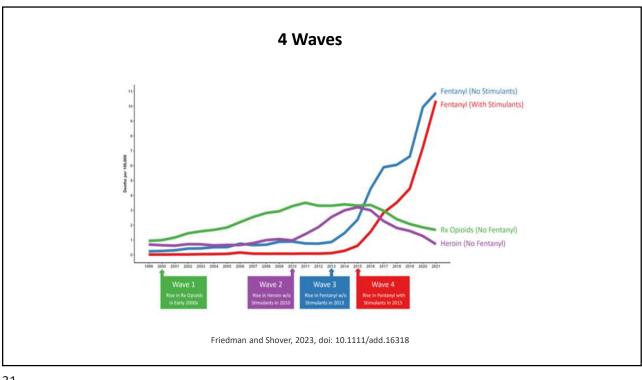


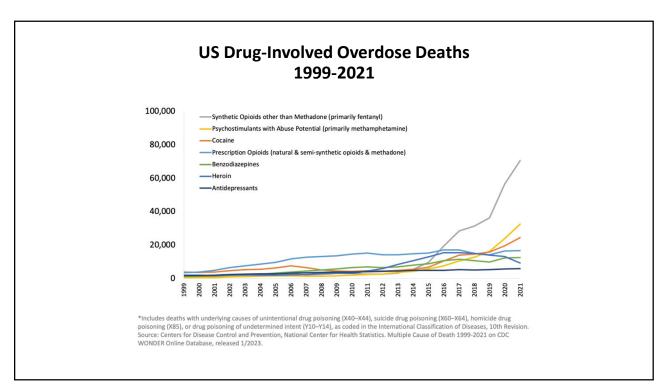




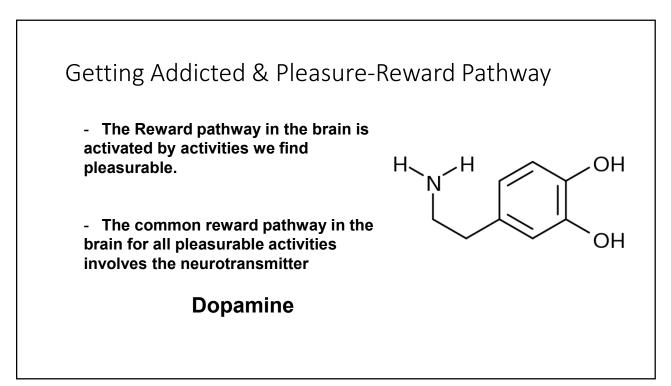


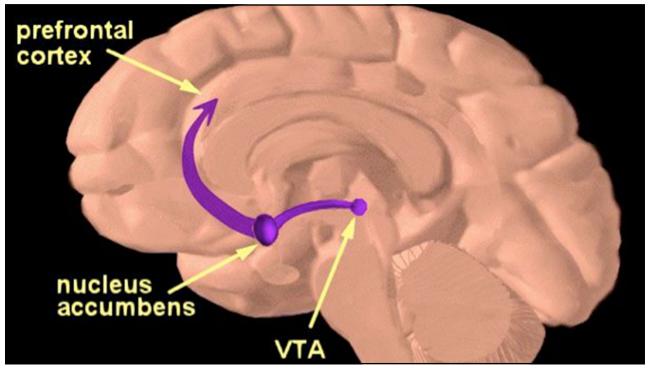


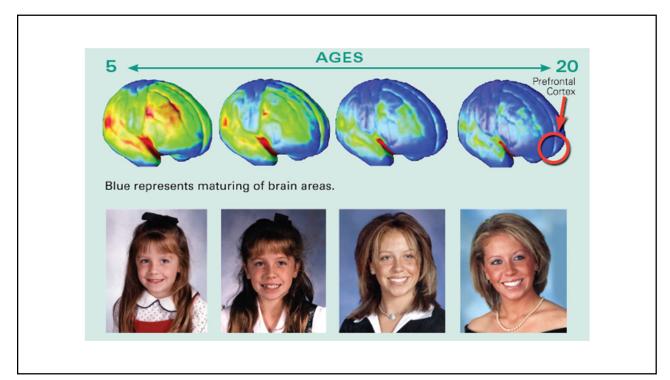


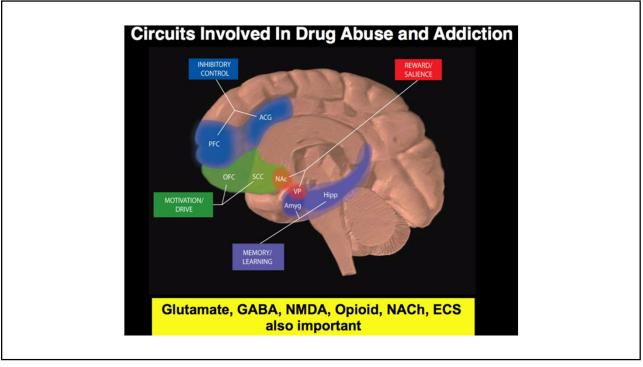


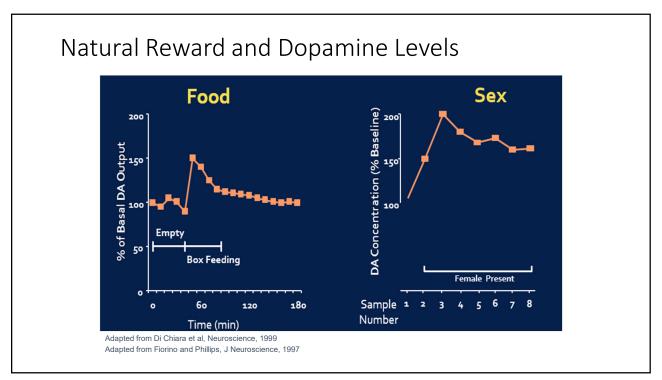


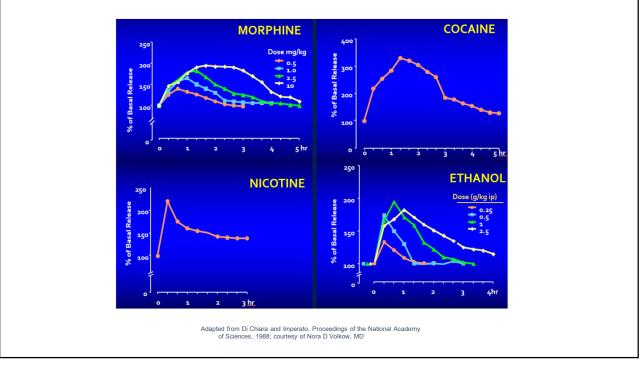




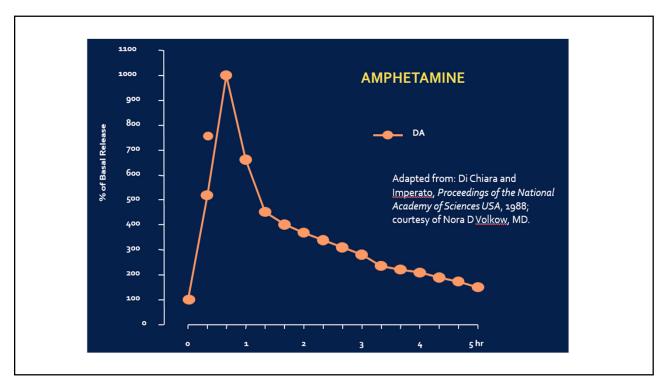


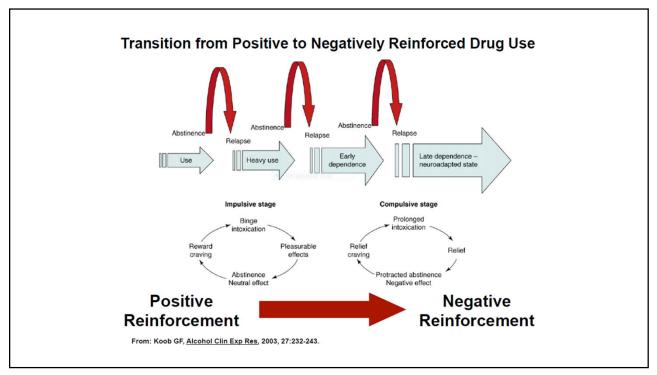












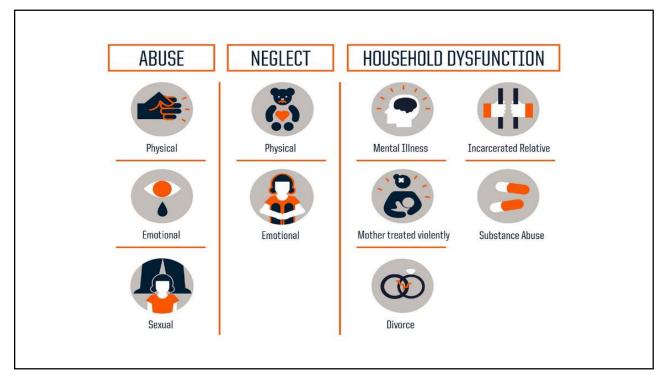


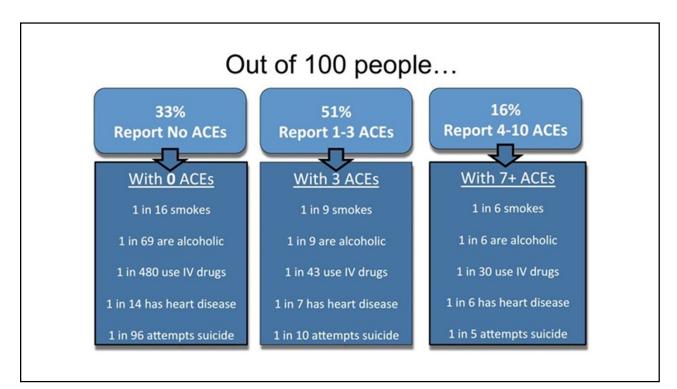
# Neuroadaptation results in impaired...

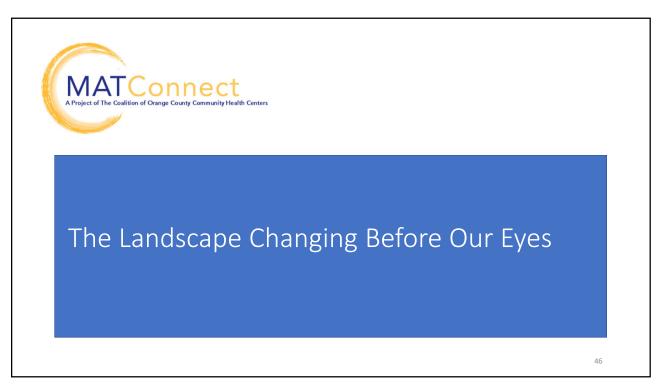
- Self-regulation
- Decision-making
- Flexibility
- Assignment of relative value (salience)
- Monitoring of error

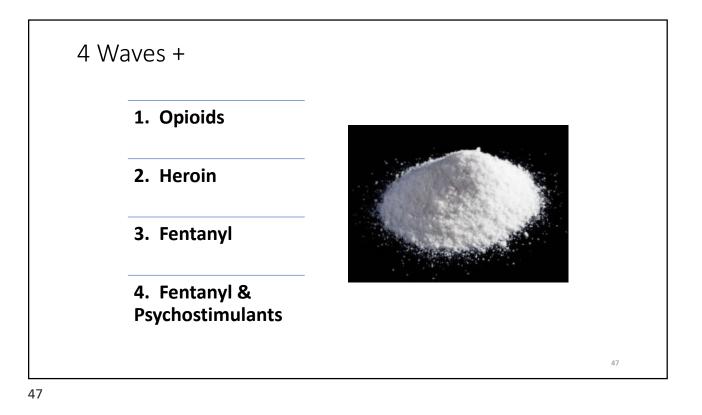
# Caused by impaired dopaminergic & glutamatergic signaling

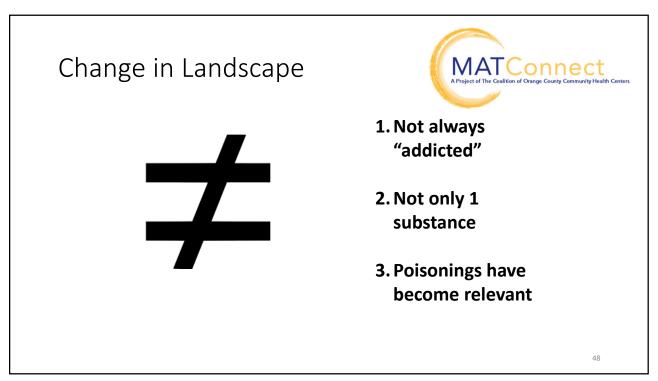








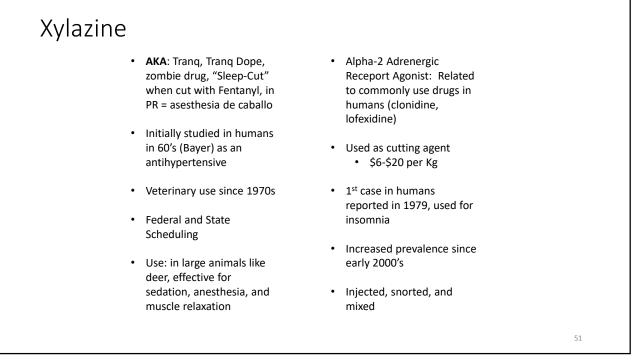




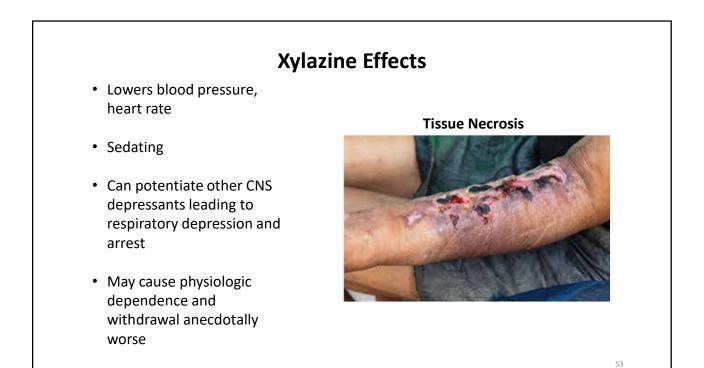
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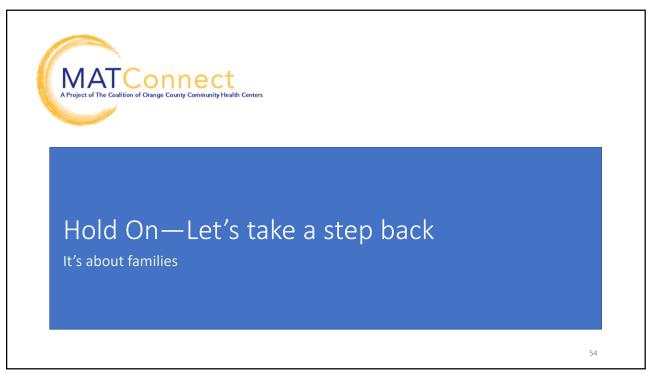
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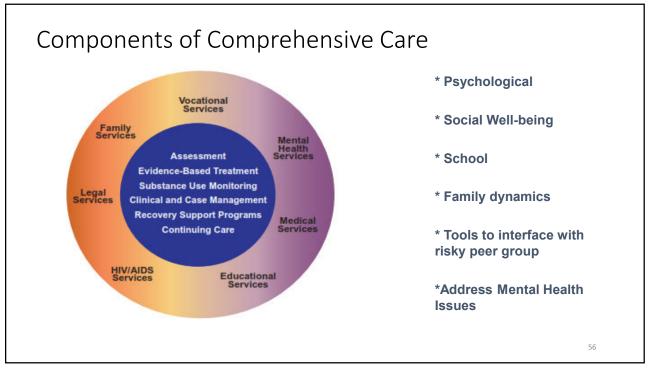


Deaths by Region			
Region	2020	2021	Percent Increase
Northeast	631	1,281	103%
South	116	1,423	1,127%
Midwest	57	351	516%
West	4	34	750%









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