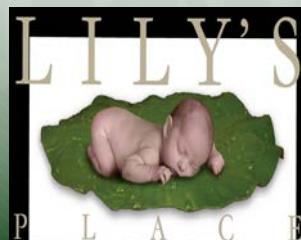


# Caring for Babies Thinking of Families

Sean Loudin, MD FAAP

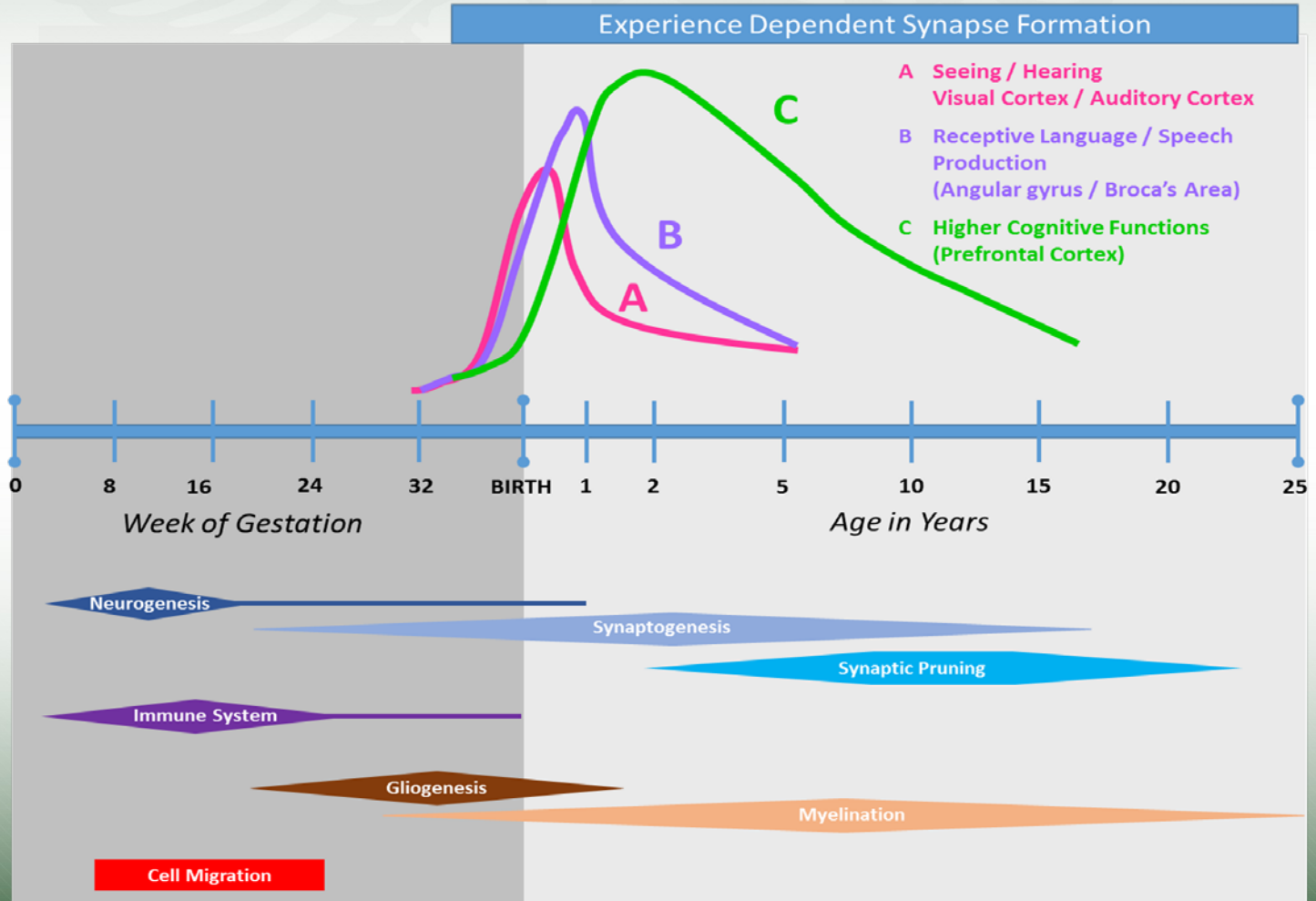


# NAS is a Key to the Substance Abuse Epidemic

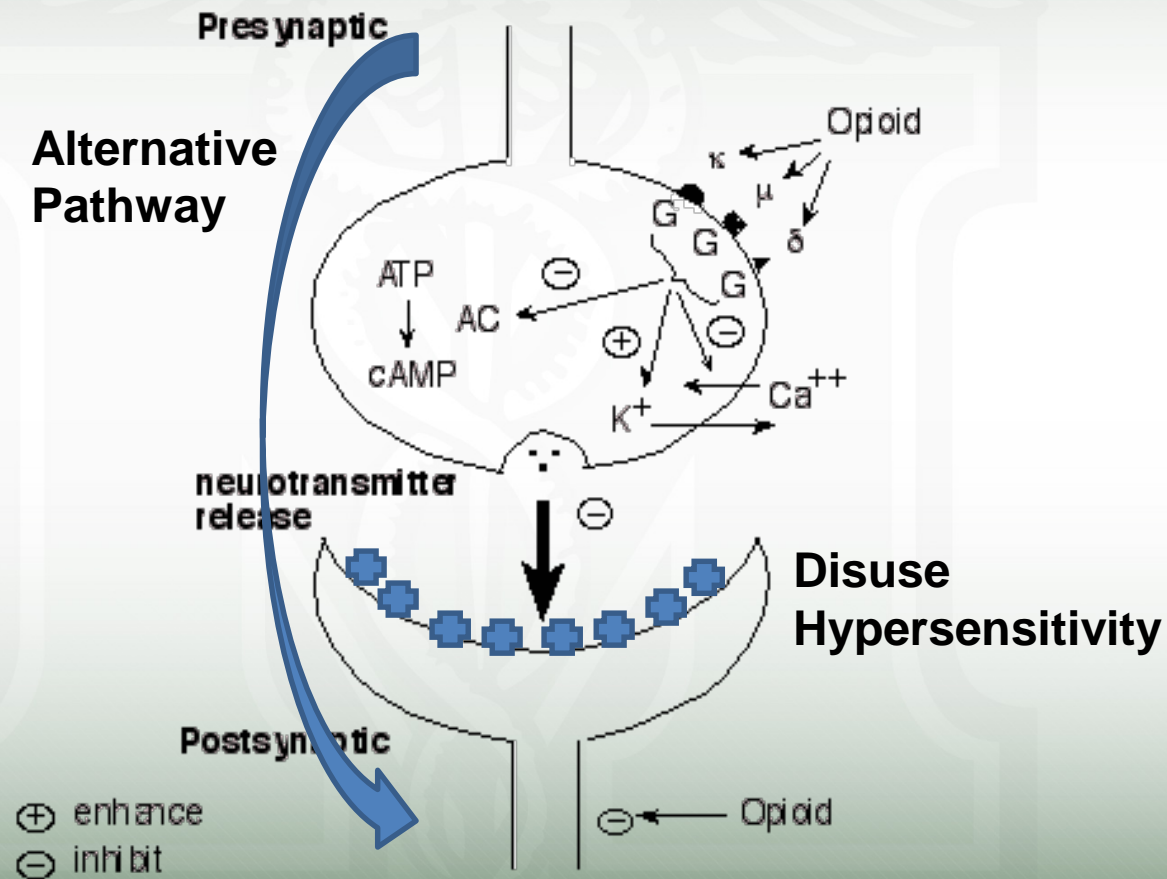
{ } NAS

- Representative Population
- Identified at risk population
- Mothers are fundamental to family stability

# Brain Development

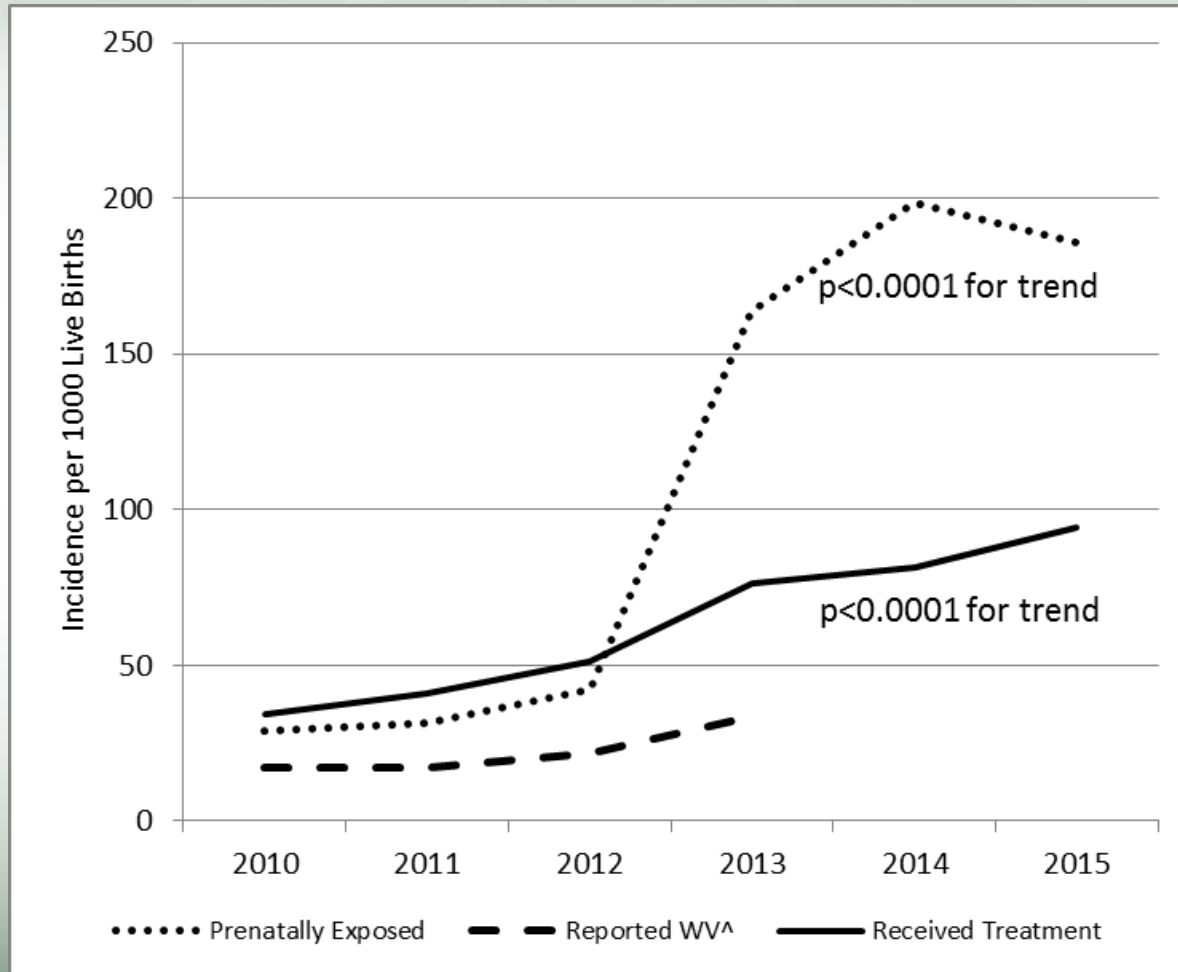


# Pathogenesis of NAS





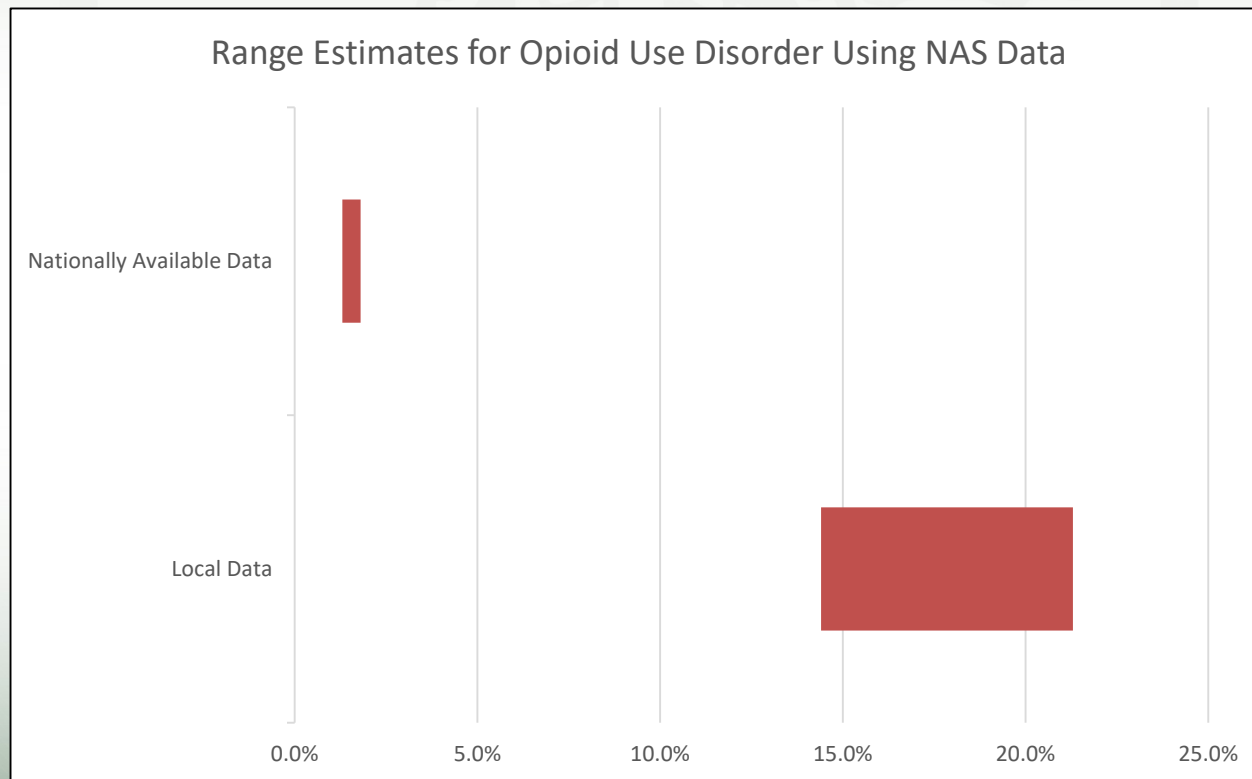
# NAS Births per 1000 at CHH



# Patients Treated for with Methadone for NAS per 1000 Births at CHH

Year	2010	2011	2012	2013	2014	2015
Live Births	2436	2494	2641	2801	2755	2810
Prenatal Exposures	71	79	111	459	547	522
NAS per 1000	29.1	31.7	42.0	163.9	198.5	185.8
Pharmacologically Treated NAS	83	102	135	214	224	265
Treated NAS per 1000	34.1	40.9	51.1	76.4	81.3	94.3
%multi-Substance	46%	47%	58%	54%	52%	53%

# Estimates of Total OUD using NAS Births as a Representative Sample

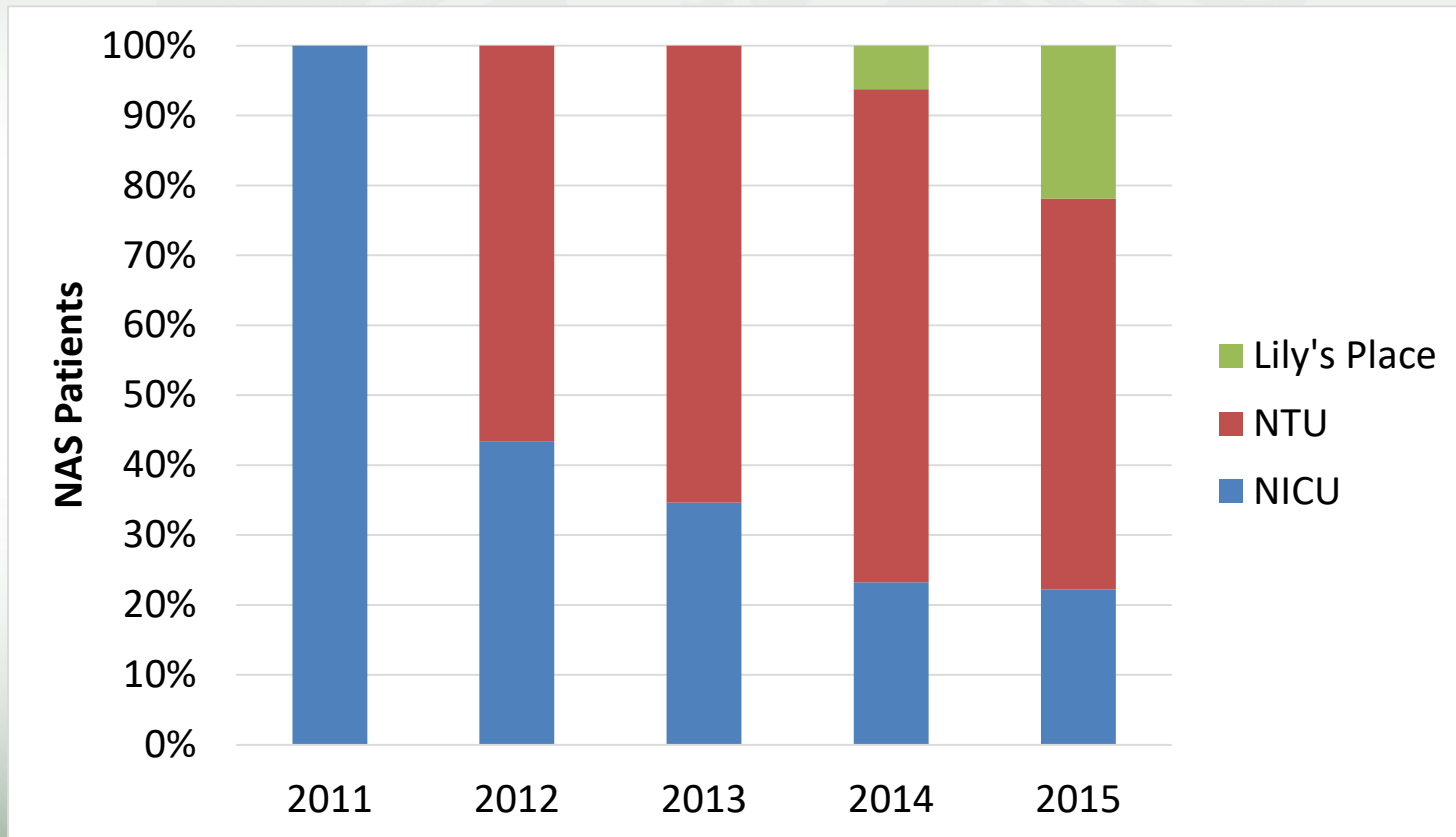


# Places For Treatment

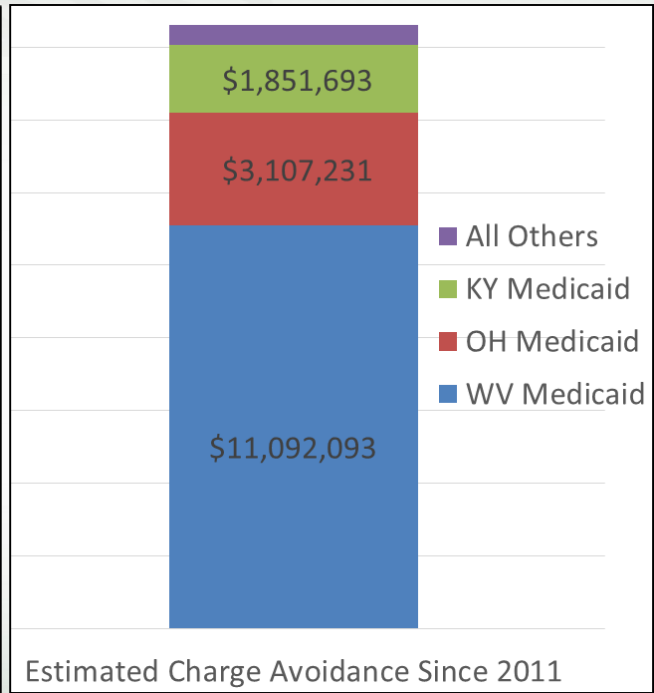
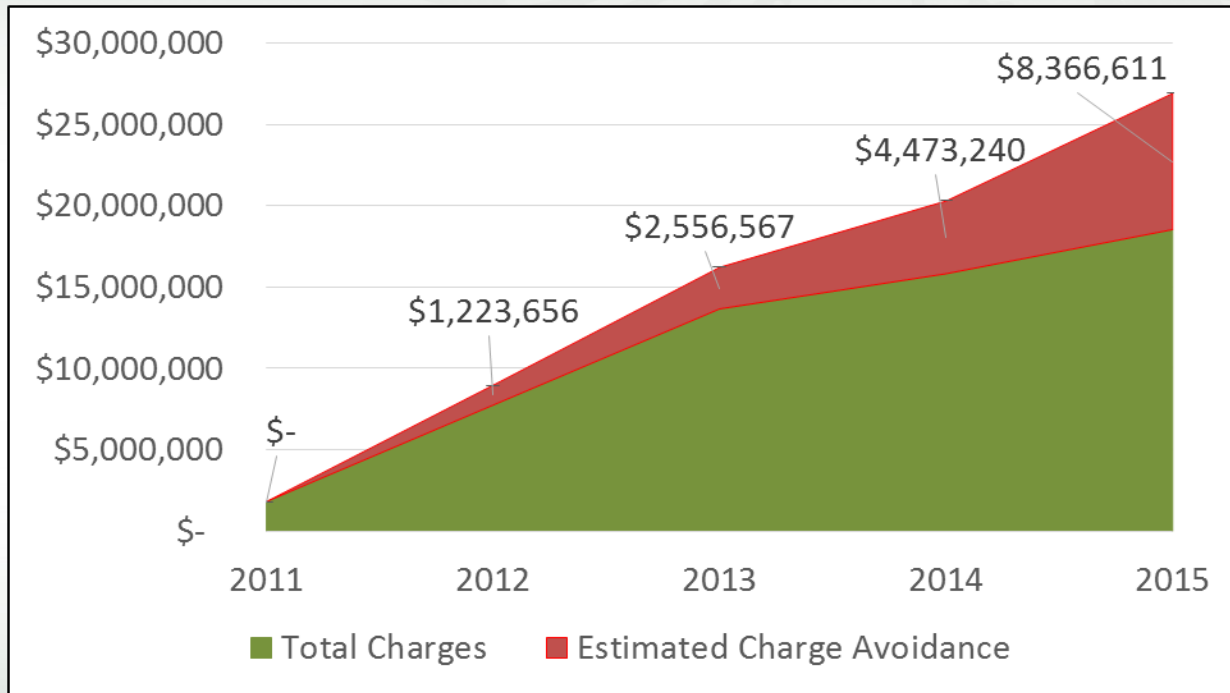




# Distribution of NAS Patients Admitted to Individual Treatment Units

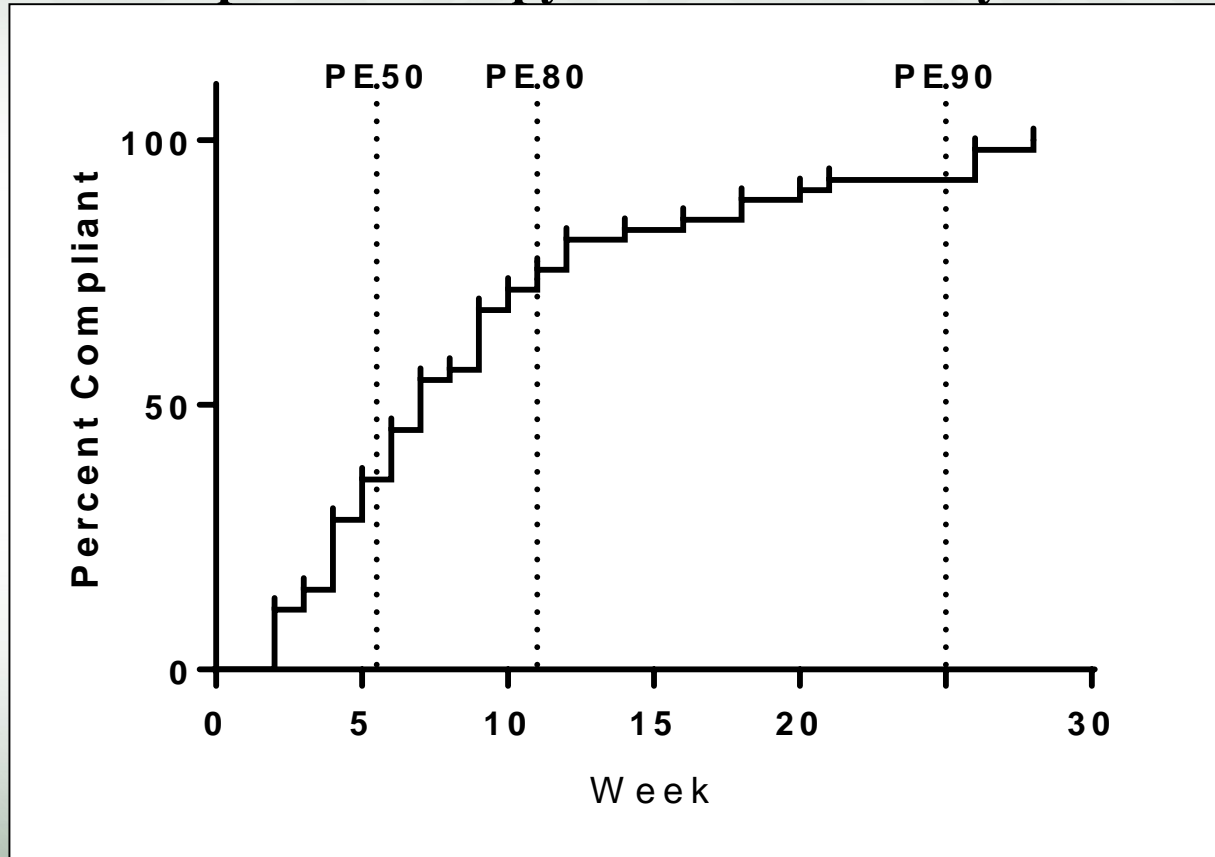


## Estimated Charge Avoidance Using Specialized Treatment Units



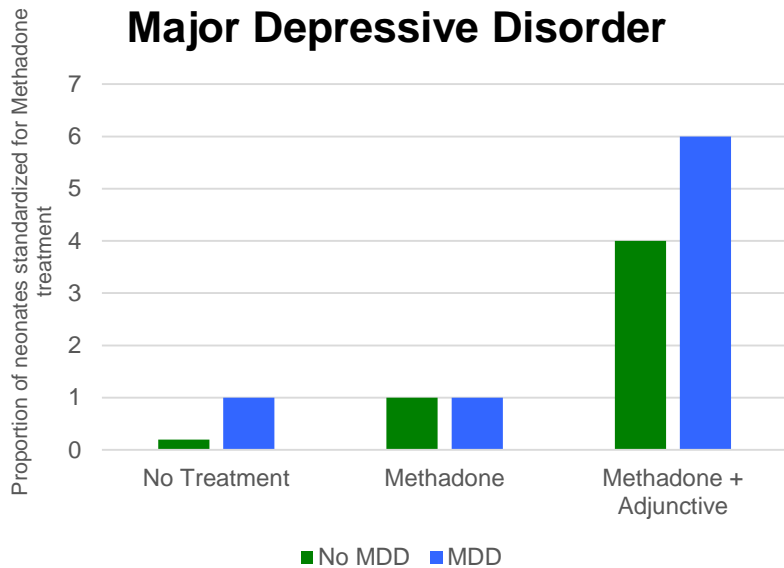
# Mothers Need Treatment

**Pregnant and early post-partum women need about 12 weeks of intensive outpatient therapy for initial recovery stabilization**

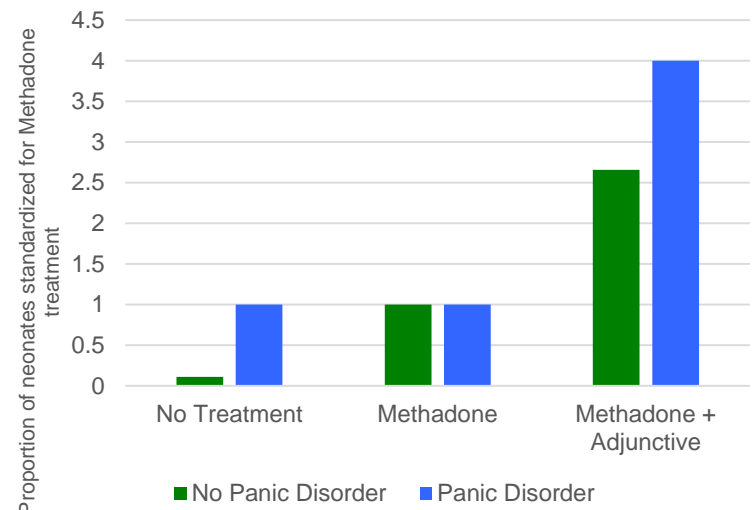


# Mothers Impact NAS

## Treatment of Neonates Born to Mothers with Major Depressive Disorder



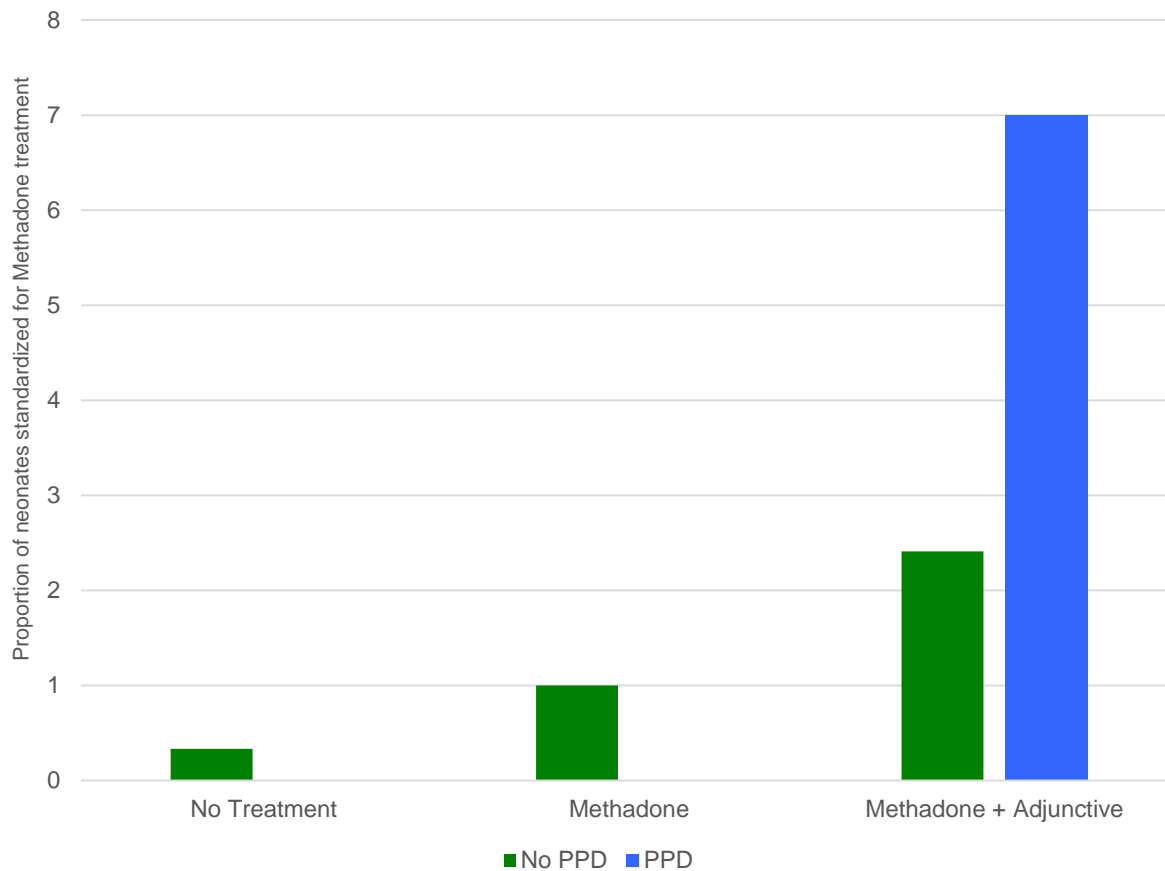
## Treatment of Neonates Born to Mothers with Panic Disorder





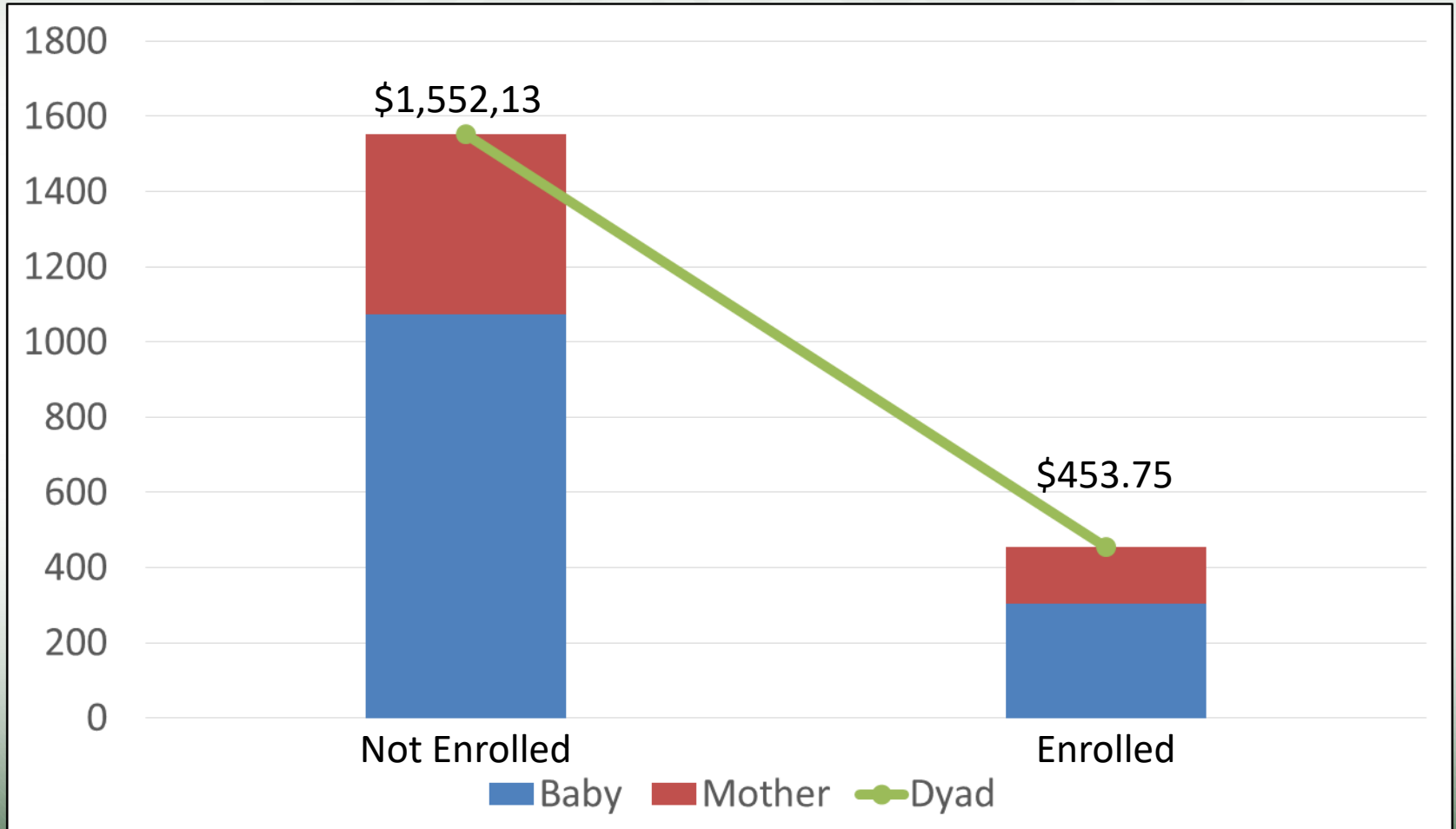
# Mothers Impact NAS

## Treatment of Neonates Born to Mothers with Post Partum Depression



# Mom's are Fundamental to Family Stability

## Average Per Patient Charges for Baby's First Year Following MAT Enrollment During Pregnancy



# Thank You

