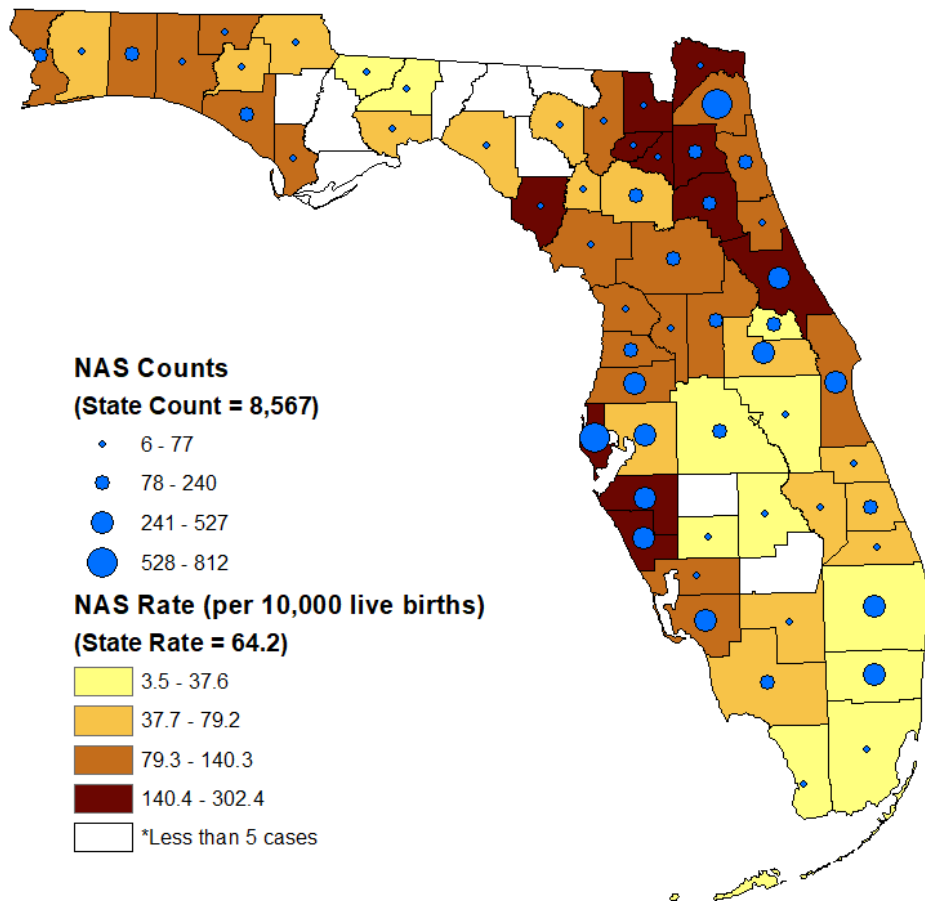
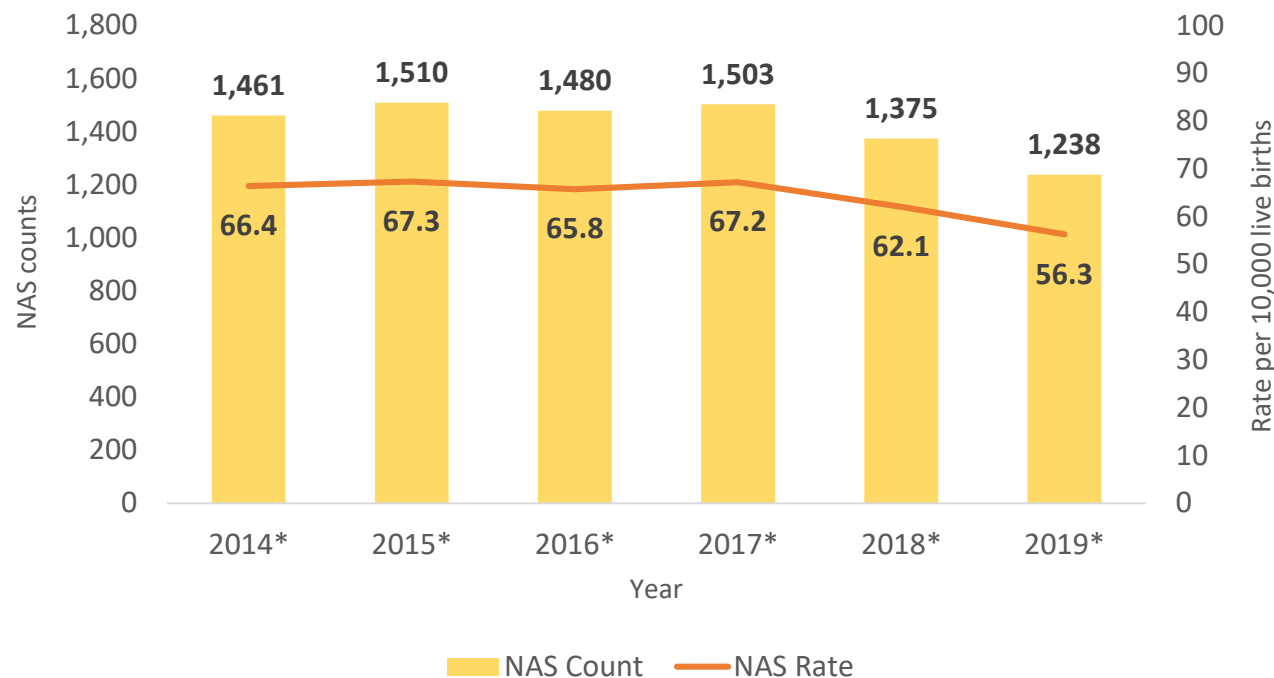


Neonatal Abstinence Syndrome (NAS): Counts and Rates, Florida, 2014-2019



*Counts and rates suppressed for counties with fewer than 5 cases to prevent possible identification of cases

Florida NAS Trends, Counts and Rates, 2014-2019

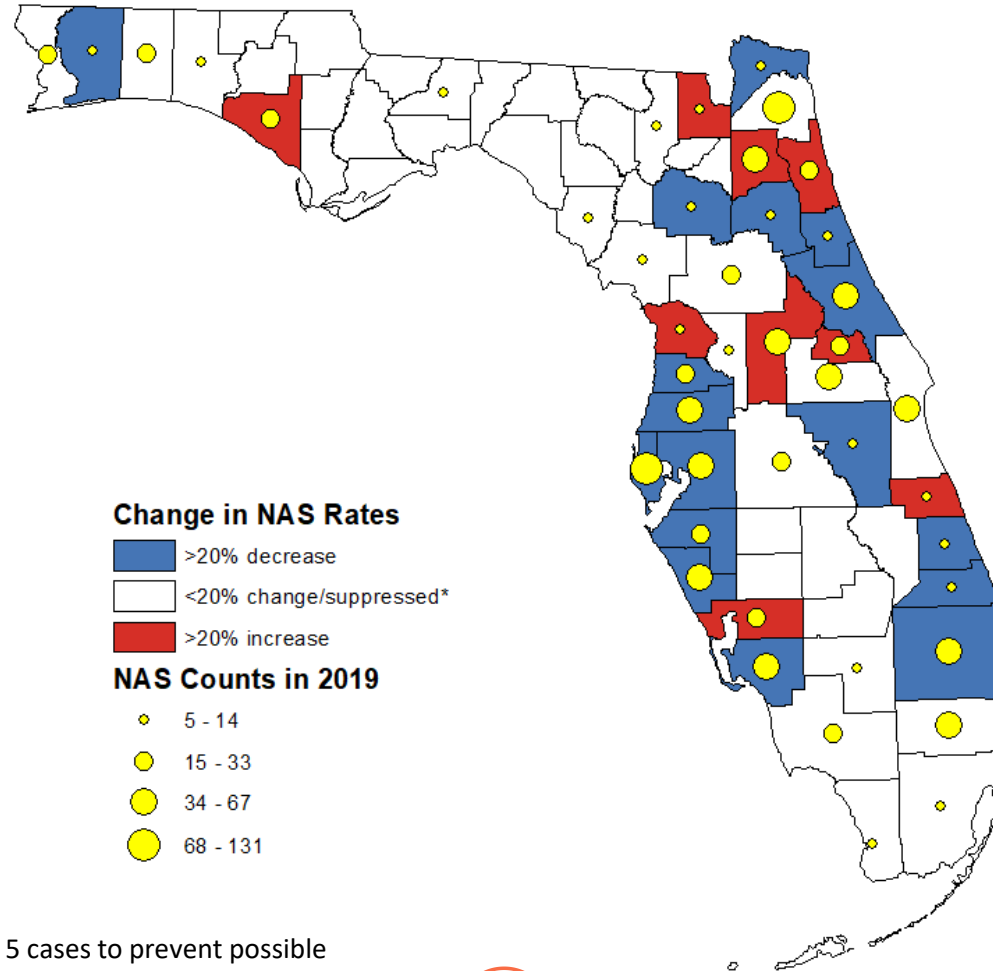


Source: Florida Department of Health, Birth Defects Registry

NAS Case Definition:

- Florida Resident
- ICD-9-CM 779.5 or ICD-10-CM P96.1
- Infant Age <29 days

NAS Changes in Rates, Florida, 2014-2019



*Counts and rates suppressed for counties with fewer than 5 cases to prevent possible identification of cases

NAS County Rankings, Florida, 2014-2019



County	Number of Live Births	Number of NAS Births	NAS Rate per 10,000 Live Births	Top 25 Counties (Based on Rate)
Dixie	926	28	302.38	1
Putnam	4,971	119	239.39	2
Sarasota	17,369	317	182.51	3
Union	918	16	174.29	4
Bradford	1,738	29	166.86	5
Baker	2,057	34	165.29	6
Pinellas	49,986	810	162.05	7
Manatee	20,869	331	158.61	8
Nassau	4,894	75	153.25	9
Clay	13,127	201	153.12	10
Volusia	29,408	442	150.30	11
Gulf	713	10	140.25	12
Flagler	4,890	67	137.01	13
Brevard	31,473	409	129.95	14
Pasco	30,348	363	119.61	15
Hernando	9,408	109	115.86	16
Sumter	2,854	33	115.63	17
Marion	20,996	240	114.31	18
Okaloosa	16,544	181	109.41	19
Columbia	4,849	53	109.30	20
Holmes	1,218	13	106.73	21
Bay	13,555	143	105.50	22
Duval	78,031	812	104.06	23
Lee	40,280	410	101.79	24
Charlotte	6,125	62	101.22	25

Summary Points: NAS Counts and Rates, Florida, 2014-2019

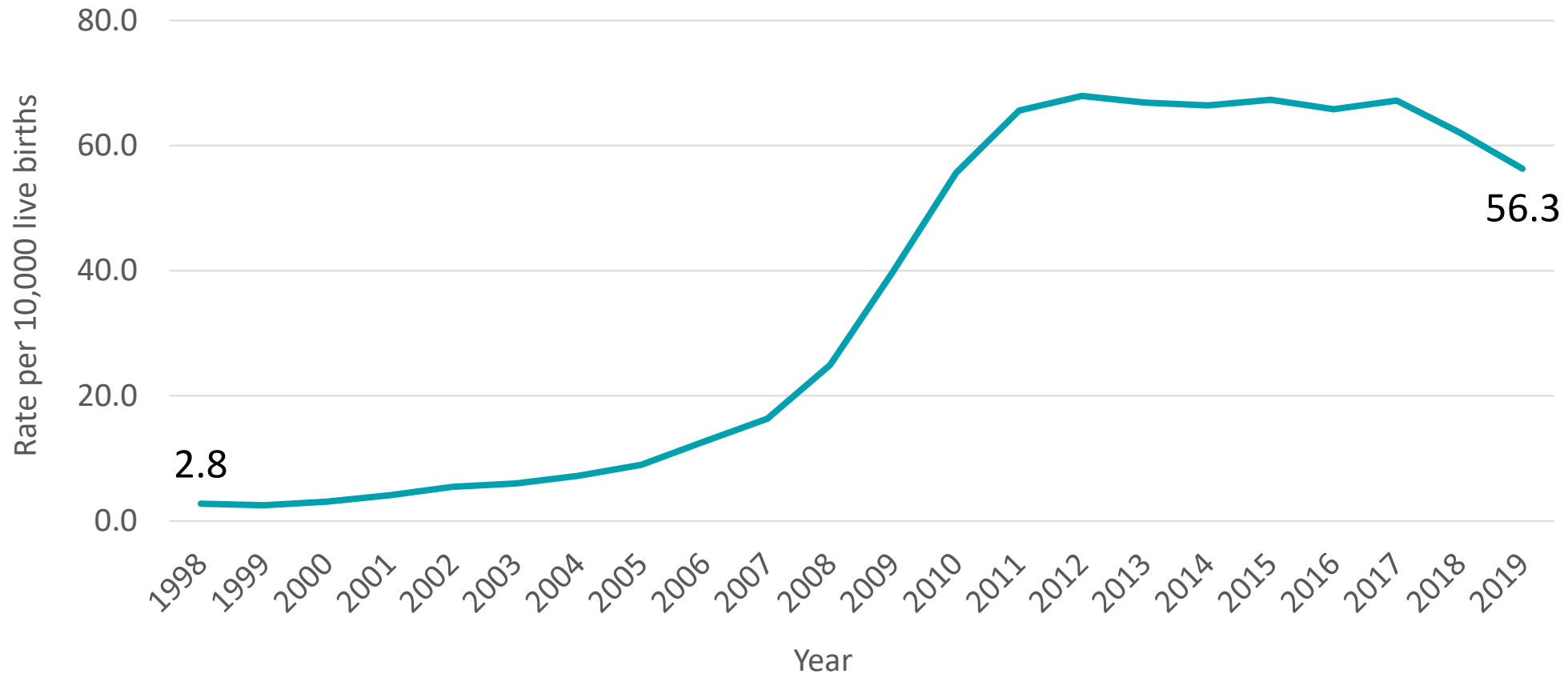


- For the combined 5-year period of 2014-2019, NAS counts by county range from 5 cases or fewer in several counties to a high of 812 cases.
 - 9 counties are suppressed because they had less than 5 NAS cases over this 5-year period.
- The prevalence rates of NAS in Florida have increased from 2.8 to 67.3 per 10,000 live births from 1998-2015. After 2015, the prevalence of NAS decreased to 56.3 per 10,000 live births in 2019. This prevalence rate equates to an average of 1,400 cases of NAS per year in Florida since 2011.
- From 2011 to 2017, the prevalence rate of NAS fluctuated between 65 and 68 cases per 10,000 live births. Over the last two years the statewide trend in NAS rates has decreased, from a rate of 67.2 per 10,000 live births in 2017 to the current rate of 56.3 per 10,000 live births in 2019.

NAS Trends, Florida, 1998-2019



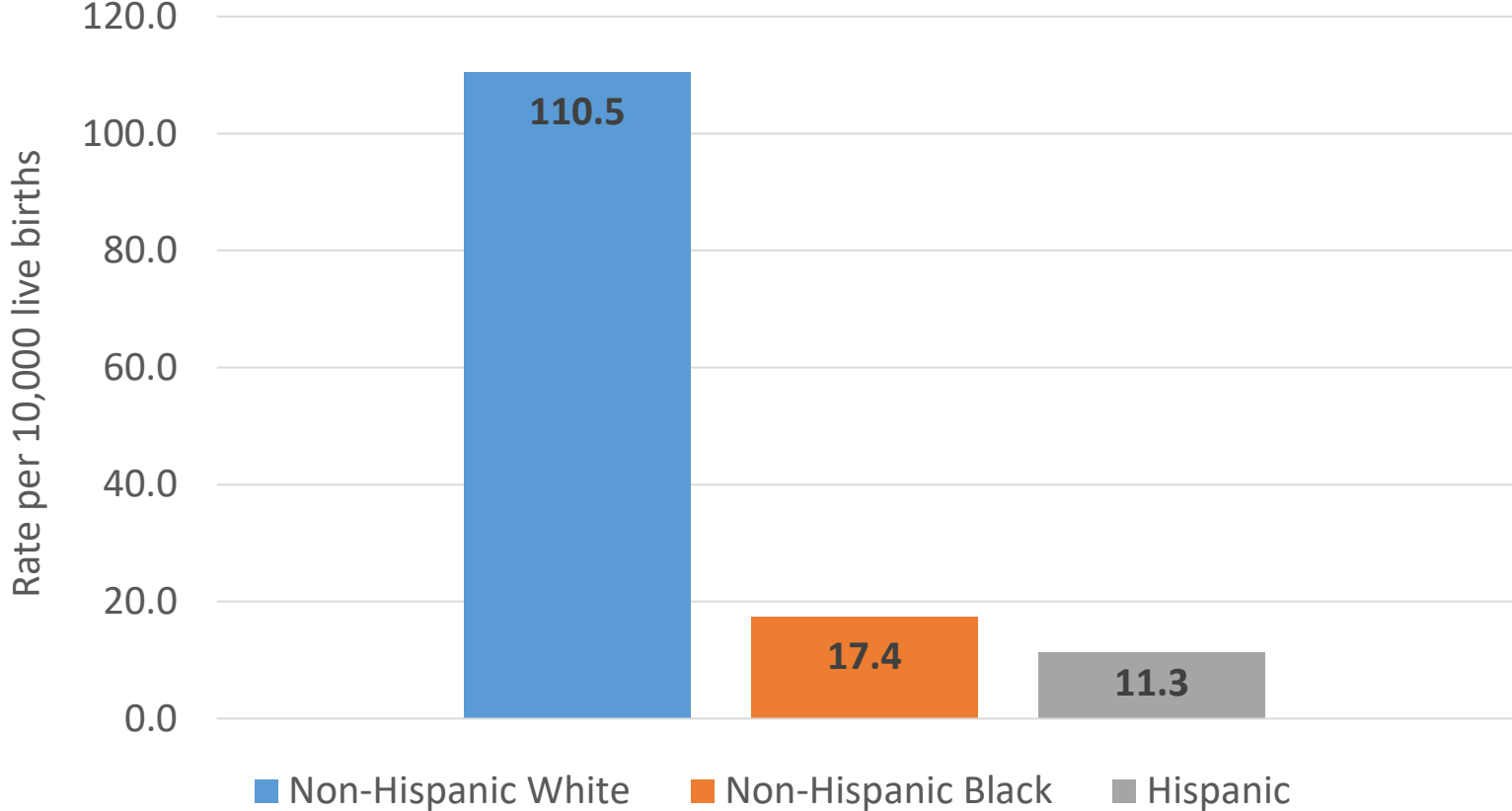
Prevalence Rates of NAS, Florida, 1998-2019



NAS Rates by Race/Ethnicity, Florida, 2014-2019



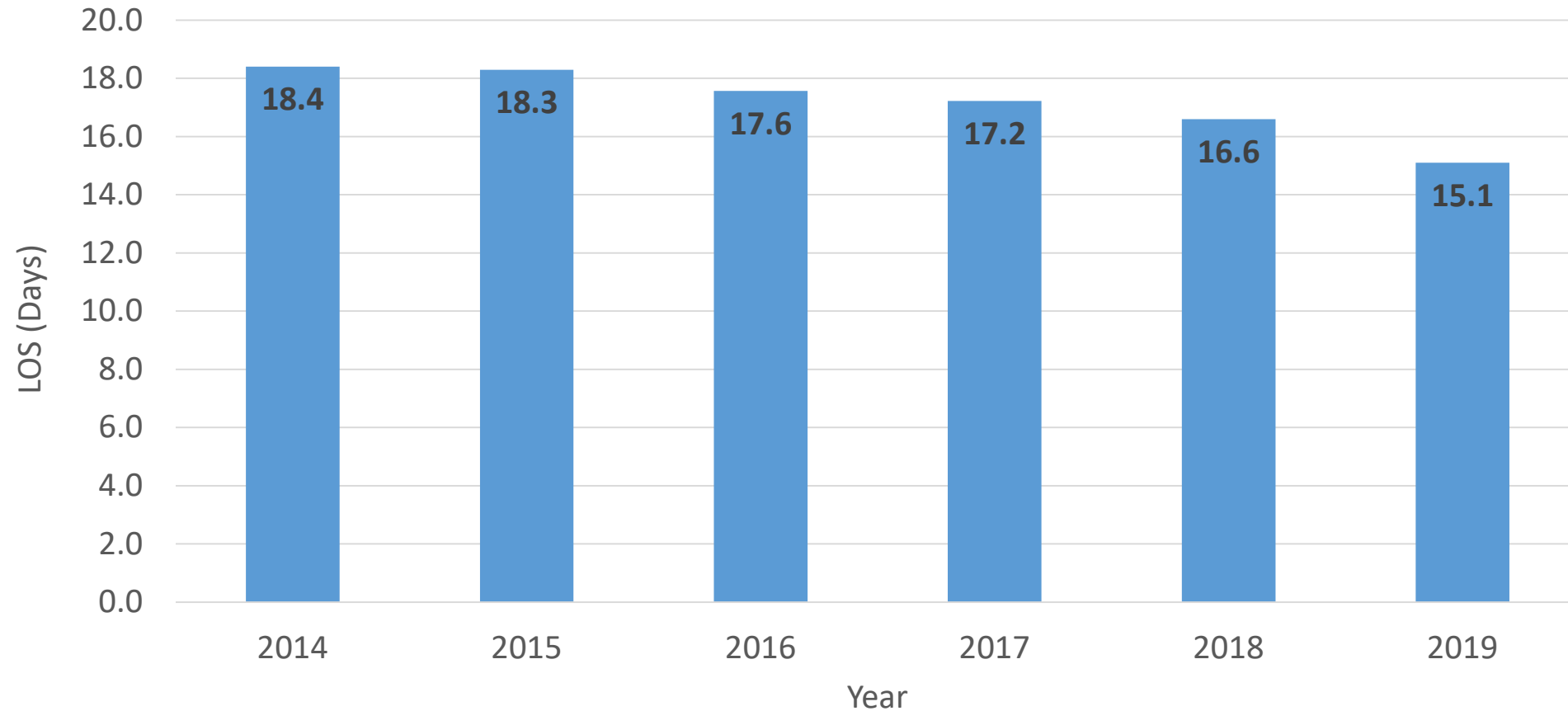
NAS Rates by Race/Ethnicity, Florida, 2014-2019



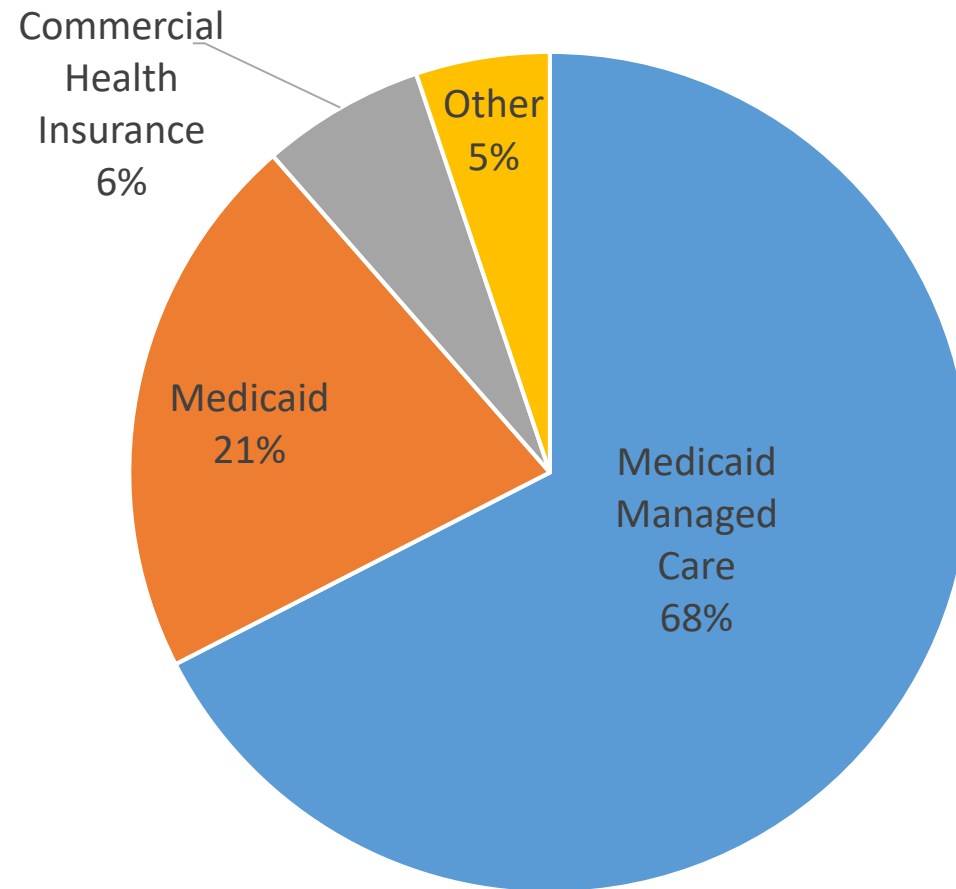
Average Length of Stay (LOS) among NAS Infants, Florida, 2014-2019



Average LOS in Days among NAS Infants, Florida, 2014-2019



NAS Cases by Payer Type, Florida, 2014-2019



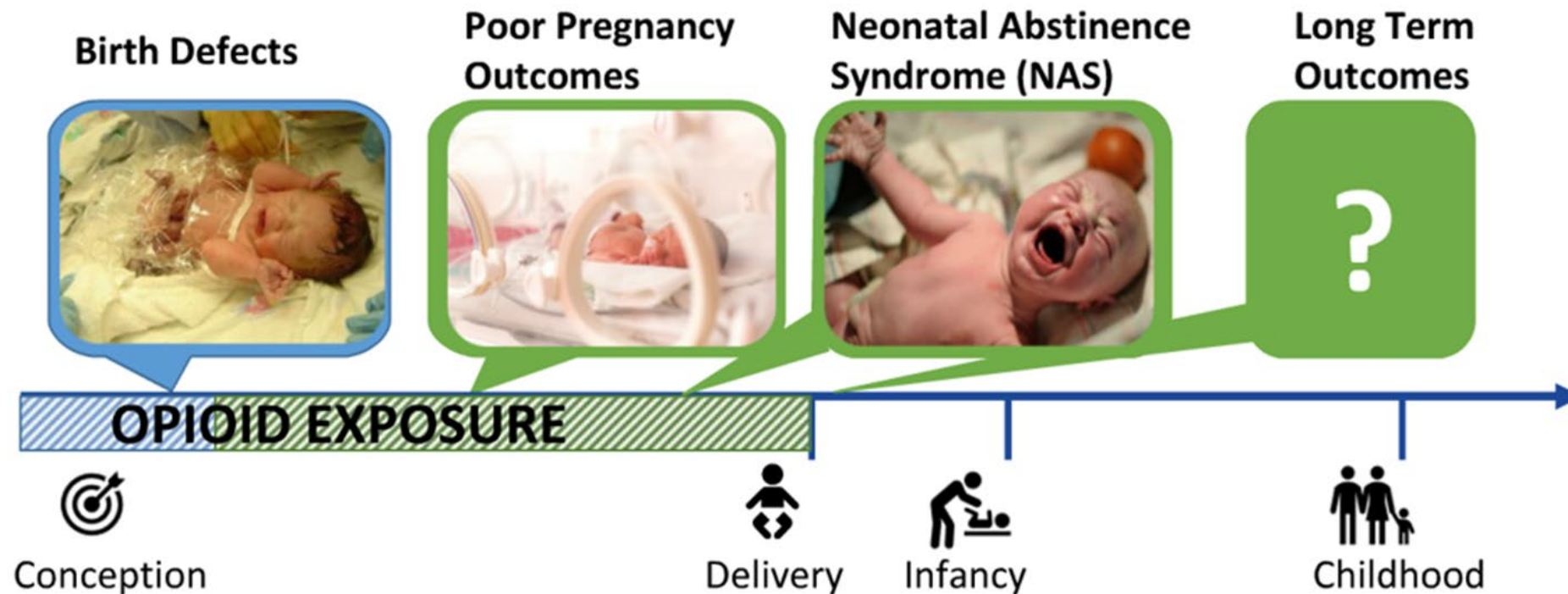
NAS Cases by Payer Type, 2014-2019

NAS Surveillance



- Currently no “gold standard” for NAS surveillance
- National case definition of NAS
 - **Limited evaluations of the CSTE case definition of NAS (Tier 1 & 2)**
- Types of NAS Surveillance
 - **Passive Surveillance (Tier 2):** administrative data set linkage
 - Florida: Vital statistics and hospital discharge data
 - ICD-9-CM (779.5) or ICD-10-CM (P96.1) within 28 days of birth
 - Variation of diagnostic codes used by states
 - ICD-9-CM 760.72; ICD-10-CM P04.49 and new P04 codes
 - **Active Surveillance (Tier 1):** active case reporting and case confirmation

Public Health Implications of NAS



Linking families to services