



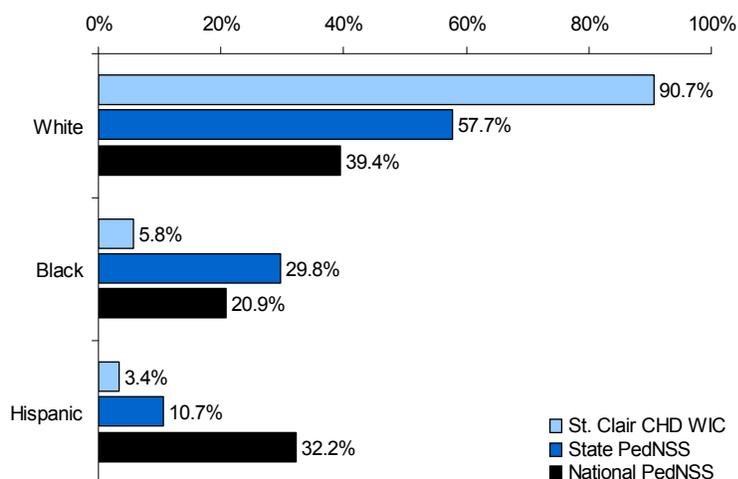
2003 WIC Local Agency Pediatric Nutrition Surveillance System (PedNSS) Report

The goal of Michigan WIC is to improve the health outcome of low income nutritionally at-risk women and children by providing supplemental nutritious foods, offering nutrition education/counseling, breastfeeding support, and referral to other health and social services. This report is developed to provide specific, local information regarding the health and nutritional status of WIC participants. In order to provide local statistics stratified by age and race/ethnicity, three-year averages were calculated for each health indicator. Consequently, point estimates represent the incidence or prevalence of an indicator between the years 2001 and 2003. Trends were constructed using rolling averages and cover the period between 1998 and 2003.

St. Clair County had 11,130 residents under five years old (6.8% of the total population). For infants and children under the age of five years old, the prevalence of those living below poverty was 11.6%. St. Clair County Health Department (St. Clair CHD) WIC provides services to approximately 3,926 infants and children under five years old in Michigan WIC in 2003. Information gathered from WIC participants from St. Clair CHD WIC showed:

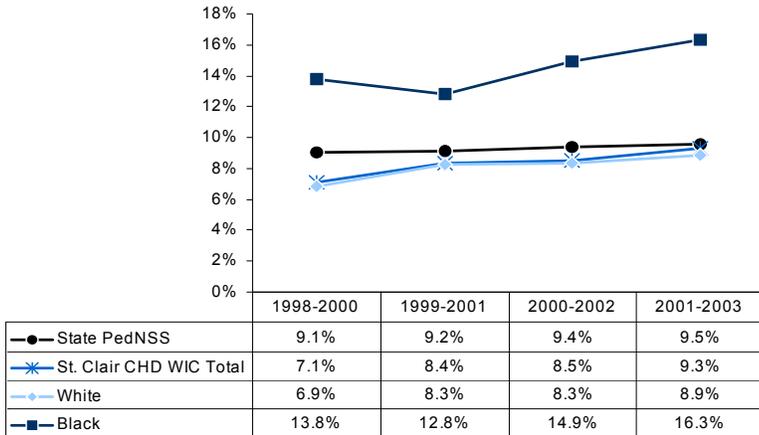
- The overall incidence of low birthweight was 9.3%;
- 6.4% of White infants were born weighing 4000g (13lbs 8oz) or greater;
- The prevalence of short stature was lower for St. Clair CHD WIC than for state WIC infants and children under the age of two years old: 7.6% versus 9.1%;
- The prevalence of underweight in children two to five years old was one-fifth that of infants and children under the age of two years old;
- One in ten White children two to five years old were overweight;
- The prevalence of iron deficiency anemia was nearly equivalent between infants and children under two years old and children two to five years old;
- Only 39.1% of White infants were ever breastfed.

Figure 1. **Racial/ethnic distribution** among infants and children under five years old, 2001-2003 PedNSS



An overwhelming majority of infants and children under five years old in St. Clair CHD WIC were non-Hispanic White.

Figure 2. Trend in **low birthweight*** by race/ethnicity among infants in the St. Clair CHD WIC, 1998-2003 MI PedNSS



The prevalence of low birthweight among White participants of St. Clair CHD WIC rose from 6.9% and 8.9%.

*Low birthweight is defined as having a birthweight less than 2500 grams (5lbs 9 oz) regardless of gestational age.

Whereas the prevalence of ever breastfed among WIC infants in Michigan had increased since 1998, the overall prevalence among infant in St. Clair CHD WIC decreased.

Figure 3. Trend in **ever breastfed** by race/ethnicity among infants in the St. Clair CHD WIC, 1998-2003 PedNSS

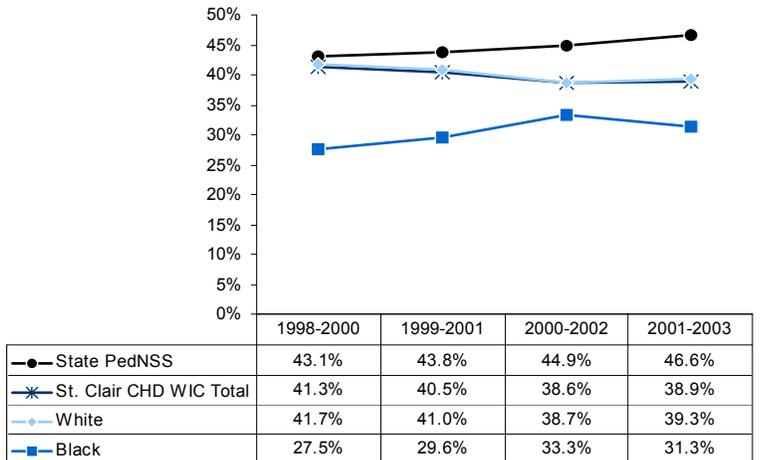
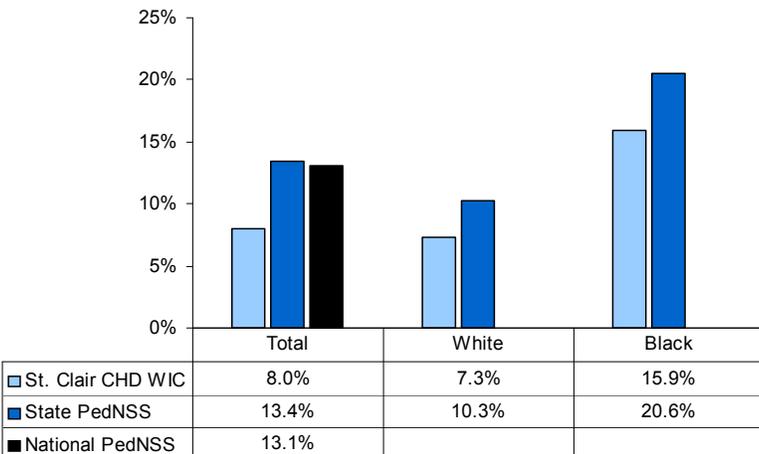


Figure 4. Average prevalence of **iron deficiency anemia*** by race/ethnicity among infants and children under five years old, 2001-2003 PedNSS

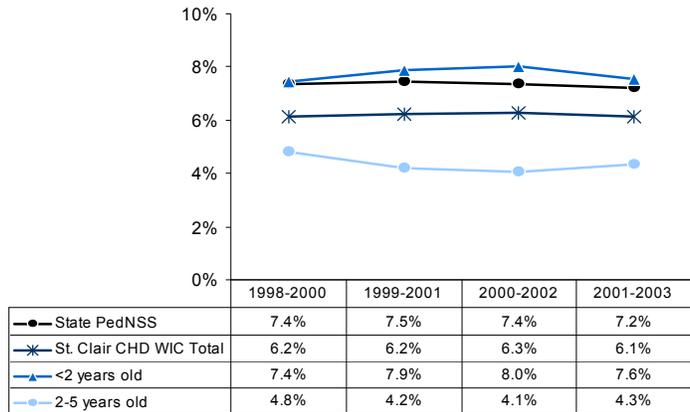


The prevalence of iron deficiency anemia among White infants and children under five years old in St. Clair CHD WIC was less than that of WIC participants statewide.

*For infants under the age of one year, iron deficiency anemia is defined as having either a hemoglobin concentration of 11.0 g/dL or a hematocrit level of less than 33%. For children two to five years old, iron deficiency anemia is defined as having either a hemoglobin concentration less than 11.1 g/dL or a hematocrit level below 33.3%.

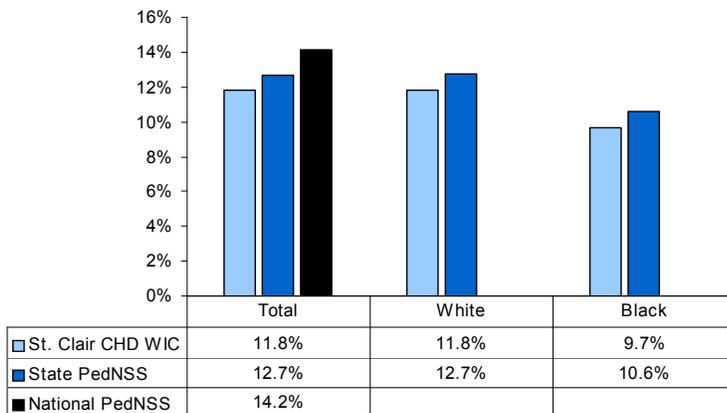
The overall prevalence of short stature among St. Clair CHD WIC infants and children under five years old was relatively static between 1998-2000 and 2001-2003.

Figure 5. Trend in **short stature*** by age group among infants and children under five years old, 1998-2003 MI PedNSS



*Short stature is defined as having a height-for-age below the 5th percentile of the National Center for Health Statistics and Centers for Disease Control and Prevention (NCHS/CDC) age- and gender- specific growth chart.

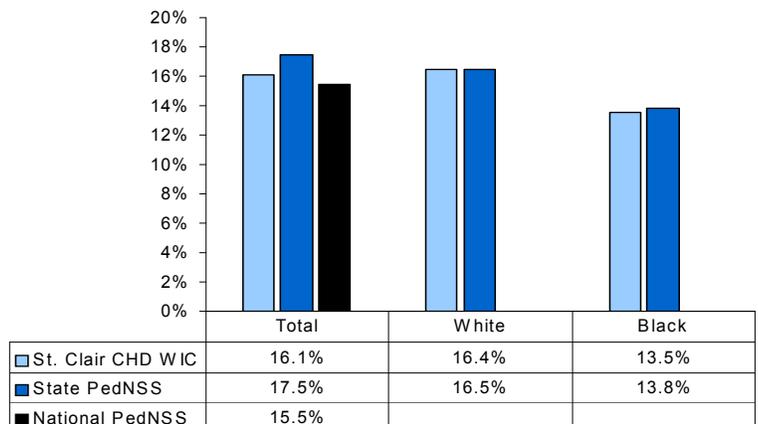
Figure 6. Average prevalence of **overweight*** by race/ethnicity among children two to five years old, 2001-2003 PedNSS



Even when stratified by race/ethnicity, children two to five years old of St. Clair CHD WIC had a slightly lower prevalence of overweight compared to their state peers.

*Overweight is defined as having a weight-for-height greater than the 95th percentile of the National Center for Health Statistics and Centers for Disease Control and Prevention (NCHS/CDC) age- and gender- specific growth chart.

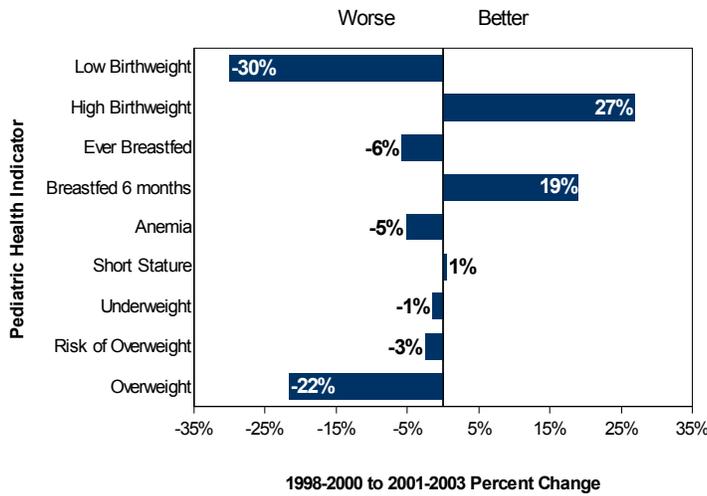
Figure 7. Average prevalence of **risk of overweight*** by race/ethnicity among children two to five years old, 2001-2003 PedNSS



*Risk of overweight is defined as having a weight-for-height between the 85th and the 95th percentile of the National Center for Health Statistics and Centers for Disease Control and Prevention (NCHS/CDC) age- and gender- specific growth chart.

Unlike the prevalence of overweight, the prevalence of risk of overweight is nearly equivalent for state and local WIC children two to five years old in both racial/ethnic groups.

Figure 8. Pediatric **health progress review** for St. Clair CHD WIC infants and children under five years old, 1998-2000 and 2001-2003 MI PedNSS



Interventions to reduce low birthweight and overweight are needed in St. Clair CHD WIC .



Jennifer M. Granholm, Governor

Janet Olszewski, Director

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Michigan Department of Community Health

WIC Program

Mission Statement

The mission of the Michigan WIC program is to improve the health outcomes and quality of life for eligible women, infants, and children by providing nutritious food, nutrition education, breastfeeding promotion, and support and referrals to health and other services. To this end:

- Delivery of services and supports are to be provided in a caring, respectful, efficient, and cost effective manner.
- Delivery of services shall be provided in a culturally competent and confidential manner.
- The WIC Program shall assure the broadest possible access to services, supports, and food.