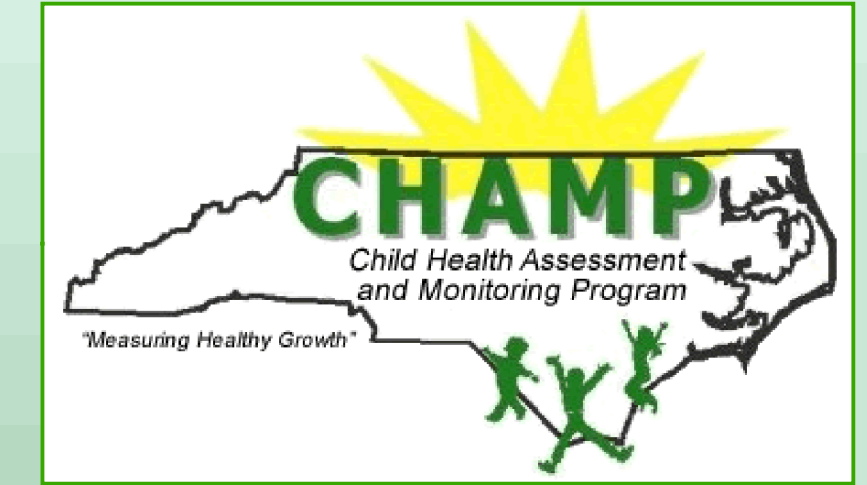




The Child Health Assessment and Monitoring Program (CHAMP) – A follow-up to the North Carolina BRFSS



Donna R. Miles, PhD¹, Harry Herrick, MSPH, MSW¹, Carol A. Ford, MD²

¹State Center for Health Statistics, Division of Public Health, North Carolina Department of Health and Human Services, Raleigh, NC

²Division of General Pediatrics and Adolescent Medicine, Department of Pediatrics, University of North Carolina, Chapel Hill, NC

Introduction

The North Carolina Child Health Assessment and Monitoring Program (NC CHAMP) survey measures the health characteristics of children.

Eligible children (birth-17 years) for the NC CHAMP survey are drawn each month from the North Carolina Behavioral Risk Factor Surveillance System (NC BRFSS) telephone survey of adults.

By collecting data on children, NC CHAMP contributes to a seamless health data system for all North Carolina citizens from birth to old age.

CHAMP Sponsors (Table 1)

- Questions to be included in the NC CHAMP survey are solicited from the North Carolina public health community on an annual basis.
- Agencies have the opportunity to sponsor questions for a fee.
- Previous sponsors include various programs and branches within the NC Division of Public Health, as well as several departments within the University of North Carolina – Chapel Hill.

Data Collection and Survey Protocol

- The State Center for Health Statistics' Survey Center administers the BRFSS and CHAMP.
- All NC BRFSS respondents with children 17 and younger living in the household are invited to participate in NC CHAMP.
- Respondents are asked when the best time to call back: daytimes, evenings or weekends.
- The NC CHAMP call is made 2-weeks after the NC BRFSS interview.
- Up to 25 call attempts are made, including Height/Weight callbacks. Eight call attempts are made on average; 51% of cases are closed out after 1-5 attempts; 71% of cases are closed out after 1-10 attempts.

Height and Weight Callbacks

- Beginning in 2007, questions have been included in NC CHAMP to assess how the respondent arrives at child's height and weight.
- Respondents who guess or did not measure child's height and weight within the past 3 months are asked if they would participate in a callback survey.
- Respondents are asked to measure the child using a measuring tape and/or scale and can either call-in to the survey center or the survey center calls back within one week.

NC CHAMP Survey (Table 2)

- The NC CHAMP 2008 survey included 109 items assessing 20 health topics.
- Average length of time to complete the 2008 survey was 20 minutes.
- 241 surveys are completed on average every month
- 1.5 surveys are completed on average for each interviewer log-on hour
- 11 dialings are made on average for each completed interview

Table 1. Agencies, Programs and Departments Who Have Sponsored Questions on the NC CHAMP Survey (2005 -2010)

North Carolina Public Health Agencies:

Asthma Program
Children & Youth Branch
Communicable Disease Branch
Diabetes Prevention & Control Branch
Office of Disability & Health
Heart Disease & Stroke Prevention Branch
Immunization Branch
Nutrition Services Branch
Oral Health Section
Physical Activity & Nutrition Branch
Women & Children's Health Section

University of North Carolina -Chapel Hill:

Adolescent Medicine
Health Promotion & Disease Prevention
Gillings School of Global Public Health
Health Behavior & Health Education
Nutrition
Pediatric Dentistry
Tobacco Prevention & Evaluation Program

Other Agencies:

Blue Cross/Blue Shield of North Carolina
Department of Public Instruction
North Carolina Healthy Schools

Table 2. Overview of Previous NC-CHAMP Survey Topic Areas (2005-2010)

Asthma
Birth Characteristics
Breast Feeding
Child Care
Child Discipline
Child Health Conditions
Child Safety and Injury
Children with Special Health Care Needs
Early Childhood Development
Family Involvement
Food Insecurity
Food Preparation
General Health
Gun Safety
Health Care Access and Utilization
Height and Weight
Immunizations
Mental Health and Disability
Nutrition
Oral Health
Parent Education
Parent Opinion
Parent Reaction to Child Weight
Physical Activity
School Performance
Sexual Behavior
Sun Safety
Tobacco Indicators

Response Rates (Figure 1; Table 3)

- 15,835 adult respondents completed the NC BRFSS in 2008.
- 29% reported having at least one child under the age of 18 living in the household.
- 85% of NC BRFSS households with children agreed to be called back for NC CHAMP (N=3,856), of which 78% completed an interview (N=2,987).
- Overall, 65% of NC BRFSS households with children completed NC CHAMP.

Figure 1. Distribution of Final Disposition Among NC BRFSS Participants that Agreed to Participate in NC CHAMP in 2008 (Jan-Dec)

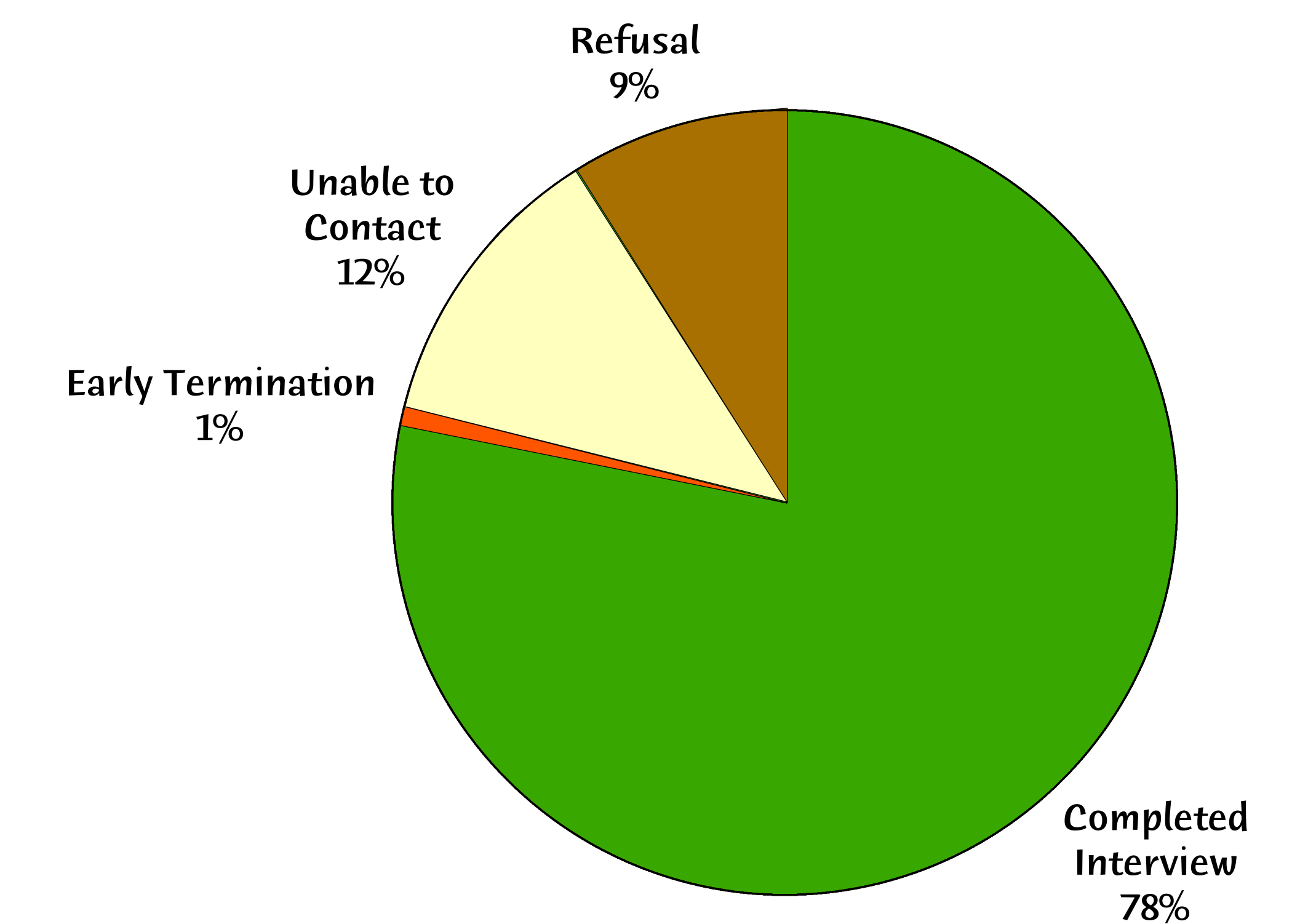


Table 3. Final Disposition Codes for NC CHAMP Telephone Surveys in 2008 (Jan-Dec)

Disposition Category	AAPOR	Number
Completed CHAMP Interview	110, 111, 120	2,987
Early Termination	210	46
Refusal	220, 270, 280, 310, 315, 332	365
Unable to Contact	230, 240, 305, 330, 335, 345, 355, 410, 420, 430, 440, 450	458

Summary

- North Carolina has implemented the CHAMP survey annually since 2005.
- Support is provided by programs within the Division of Public Health as well as departments within the University of North Carolina – Chapel Hill.
- The survey is implemented through the State Center for Health Statistics' Survey Center two weeks following the BRFSS.
- Current work includes projects linking BRFSS and CHAMP data examining cross-generational health issues.
- Visit www.schs.state.nc.us/SCHS/champ for more information and links to publications using NC CHAMP.