

National Survey of Children's Health (NSCH)

Child Health Measures

Summary of key differences in indicator measurement: 2003 to 2007

Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Physical and Dental Health *			
1.1: Children's overall health status, excellent/very good	84.1% 95% CI: 83.6-84.5	84.4% 95% CI: 83.7-85.0	<u>No changes</u> : same as 2003
1.2: Condition of children's teeth, age 1-17	68.5% 95% CI: 67.9-69.0	70.7% 95% CI: 69.9-71.5	<u>Content changes</u> : location of item in survey changed
1.2a: Two or more oral health problems, age 1-17	N/A	8.4% 95% CI: 7.9-8.9	<u>New content</u> : questions not included in the 2003 survey
1.3: Breast fed ever, age 0-5	72.3% 95% CI: 71.5-73.2	75.5% 95% CI: 74.3-76.7	<u>No changes</u> : same as 2003
1.4: Childhood Obesity, age 10-17	14.8% 95% CI: 14.2-15.4	16.4% 95% CI: 15.4-17.3	<u>No changes</u> : same as 2003
1.5: Physical activity every day, age 6-17	26.0% 95% CI: 25.4-26.6	29.9% 95% CI: 29.0-30.8	<u>Content changes</u> : Question wording changed
1.6: Missed 11 or more days of school due to illness, age 6-17	5.2% 95% CI: 4.9-5.5	5.8% 95% CI: 5.3-6.3	<u>No changes</u> : same as 2003
1.7: Injuries requiring medical care, age 0-5	9.4% 95% CI: 8.9-9.9	10.4% 95% CI: 9.5-11.3	<u>No changes</u> : same as 2003
1.9: One or more current chronic conditions rated moderate/severe	7.9% 95% CI: 7.6-8.2	10.6% 95% CI: 10.1-11.1	<u>Content changes</u> : question changed from "ever" to "ever" and "current"
1.9a: One or more current chronic health conditions	N/A	8.7% 95% CI: 8.2-9.1	<u>Content changes</u> : question changed from "ever" to "ever" and "current"
1.13: Health conditions interfere with activity and social participation, CSHCN age 6-17	N/A	14.2% 95% CI: 12.8-15.5	<u>New content</u> : questions not included in the 2003 survey

* Not repeated in 2007: Indicators 1.10 through 1.12 on asthma impact and hospitalization were not repeated in the 2007 NSCH survey.

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Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Emotional and Mental Health *			
2.1: One or more concerns about child's development status, age 4 months- 5 years	36.6% 95% CI: 35.7-37.6	40.1% 95% CI: 38.6-41.6	<u>No changes</u> : same as 2003
2.2: At moderate/high risk for developmental, behavioral, or social delay, age 4 months-5 years	24.5% 95% CI: 23.6-25.4	26.4% 95% CI: 25.0-27.8	<u>No changes</u> : same as 2003
2.2a: Play with other children of their age every day, age 1-5	N/A	31.4% 95% CI: 29.8-32.9	<u>New content</u> : questions not included in the 2003 survey
2.5: Positive social skills, age 6-17	92.7% 95% CI: 92.2-93.1	93.6% 95% CI: 93.2-94.1	<u>Content changes</u> : response category of "rarely" was added
2.6: Problematic behaviors, age 6-17	7.8% 95% CI: 7.4-8.2	8.8% 95% CI: 8.3-9.4	<u>Content changes</u> : response category of "rarely" was added
2.7: Currently taking medication for ADD/ADHD	3.8% 95% CI: 3.6-4.0	4.2% 95% CI: 3.9-4.5	<u>Content changes</u> : location of question was changed
2.7a: Parent-rated severity of child's ADD/ADHD	N/A	3.4% 95% CI: 3.1-3.7	<u>New content</u> : questions not included in the 2003 survey
2.8: Autism, Asperger's Disorder etc., age 2-17	0.5% 95% CI: 0.4-0.5	1.0% 95% CI: 0.9-1.2	<u>Content changes</u> : question changed to ask both "ever" and "current" and breadth expanded to include other developmental disorders in autism question
2.8a: Parent-rated severity of child's autism or ASD	N/A	0.2% 95% CI: 0.1-0.3	<u>New content</u> : questions not included in the 2003 survey
2.9: Medication for emotions, concentration or behavior	N/A	6.2% 95% CI: 5.8-6.5	<u>New content</u> : questions not included in the 2003 survey
2.10: Depressive behaviors, age 6-17	N/A	1.3% 95% CI: 1.1-1.6	<u>Content changes</u> : response category of "rarely" was added, indicator not calculated in the 2003 survey

* Not repeated in 2007: Indicators 2.3 and 2.4 on socio-emotional difficulties were not repeated in the 2007 NSCH survey.

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Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Health Insurance Coverage			
3.1: Health insurance status	91.2% 95% CI: 90.9-91.6	90.9% 95% CI: 90.4-91.4	<u>No changes</u> : same as 2003
3.2: Consistency of health insurance coverage	85.1% 95% CI: 84.6-85.5	84.9% 95% CI: 84.2-85.6	<u>No changes</u> : same as 2003
3.3: Type of health insurance:			
Public	27.7% 95% CI: 27.2-28.2	29.1% 95% CI: 28.3-29.8	<u>No changes</u> : same as 2003
Private	63.5% 95% CI: 62.9-64.0	61.8% 95% CI: 60.9-62.6	<u>No changes</u> : same as 2003
Uninsured	8.8% 95% CI: 8.5-9.2	9.2% 95% CI: 8.7-9.7	<u>No changes</u> : same as 2003
3.4: Adequacy of current insurance – children currently insured	N/A	76.5% 95% CI: 75.7-77.2	<u>New content</u> : questions not included in the 2003 survey

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Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Health Care Access and Quality *			
4.1: One or more preventive medical care visits	77.8% 95% CI: 77.3-78.2	88.5% 95% CI: 88.0-89.0	<u>Content changes</u> : location of item in survey changed
4.2: One or more preventive dental care visits, age 1-17	92.9% 95% CI: 92.5-93.2	78.4% 95% CI: 77.6-79.1	<u>Content changes</u> : question was changed from several questions to one question
4.3: Received both preventive medical and dental care	58.8% 95% CI: 58.2-59.3	71.6% 95% CI: 70.8-72.4	<u>Content changes</u> : dental question was changed from several questions to one question
4.5: Received needed mental health care, age 2-17	58.7% 95% CI: 56.5-61.0	60.0% 95% CI: 57.1-63.0	<u>Content changes</u> : denominator changed (age 2-17 years) and question wording changed
4.6a: One or more unmet needs for care	N/A	6.9% 95% CI: 6.4-7.3	<u>Content changes</u> : denominator and question wording of the indicator changed from the 2003 survey
4.8: Have a medical home	46.1% 95% CI: 45.6-46.7	57.5% 95% CI: 56.7-58.4	<u>Content changes</u> : scoring and composite questions of the indicator changed completely from the 2003 survey
4.9: Have a personal doctor or nurse	83.3% 95% CI: 82.9-83.8	92.2% 95% CI: 91.7-92.7	<u>Content changes</u> : location of item in survey changed
4.9a: Usual sources for sick and well care	N/A	93.1% 95% CI: 92.6-93.5	<u>New content</u> : questions not included in the 2003 survey
4.9b: Family-centered care	N/A	67.4% 95% CI: 66.5-68.2	<u>New content</u> : several new questions were added in 2007 to assess this measure. In 2003 focus is on provider communication
4.9c: Problems getting needed referrals	N/A	2.8% 95% CI: 2.5-3.1	<u>New content</u> : questions not included in the 2003 survey
4.9d: Effective care coordination when needed	N/A	28.3% 95% CI: 27.6-29.0	<u>New content</u> : The questions used to assess care coordination in 2007 are different from those used in 2003
4.12: Problems accessing needed specialist care	15.5% 95% CI: 14.7-16.3	6.2% 95% CI: 5.8-6.6	<u>Content changes</u> : denominator changed from children only needing specialist care to include children who either received or needed specialist care
4.12a: Received care from a specialist doctor	N/A	22.3% 95% CI: 21.6-22.9	<u>Content changes</u> : parents in the 2003 survey were only asked if their child needed to see a specialist, not if they actually saw one

Health Care Access and Quality (contd.) *	2003 NSCH	2007 NSCH	
4.14: Doctor asks about parental concerns, age 0-5	37.6% 95% CI: 36.7-38.5	48.0% 95% CI: 46.5-49.5	<u>No changes</u> : same as 2003
4.16: Developmental screenings during well-child visit, age 10 months- 5 years	N/A	19.5% 95% CI: 18.3-20.8	<u>New content</u> : questions not included in the 2003 survey

* Not repeated in 2007: Indicators 4.4 emergency room visits, 4.6 received needed medical care, 4.7 needing prescription medication, 4.10 – 4.11 communication with personal doctor or nurse, 4.13 follow up with personal doctor or nurse, and 4.15 parents get needed communication were not repeated in 2007 NSCH survey.

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Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Community and School Activities *			
5.1a: Child has early intervention plan, IFSP or IEP, age 0-5	N/A	4.4% 95% CI: 3.8-4.9	<u>New content</u> : questions not included in the 2003 survey
5.1b: School-age child has IEP, age 6-17	N/A	11.2% 95% CI: 10.6-11.8	<u>New content</u> : questions not included in the 2003 survey
5.2: Repeated grades in school, age 6-17	11.3% 95% CI: 10.8-11.7	10.6% 95% CI: 9.9-11.2	<u>No changes</u> : same as 2003
5.2a: Consistently engaged in school, age 6-17	N/A	80.5% 95% CI: 79.6-81.3	<u>New content</u> : questions not included in the 2003 survey
5.3: Participation in organized activities outside school, age 6-17	81.0% 95% CI: 80.4-81.6	80.7% 95% CI: 79.8-81.5	<u>Content changes</u> : introduction text changed
5.4: Participation in volunteer work or community service once a week or more, age 12-17	60.2% 95% CI: 59.4-61.1	15.0% 95% CI: 14.0-16.0	<u>Content changes</u> : response options changed from a dichotomous question to a time period (how often...)
5.5: Worked 10 or more hours for pay outside the home, age 12-17	10.2% 95% CI: 9.7-10.6	11.5% 95% CI: 10.7-12.3	<u>Content changes</u> : question changed to two questions: first dichotomous and the second an open-ended time period
5.6: Reading for pleasure over 60 minutes, age 6-17	13.0% 95% CI: 12.5-13.5	16.7% 95% CI: 16.0-17.4	<u>Content changes</u> : question wording changed from "school day" to "week day"
5.7: Religious services attendance weekly	55.7% 95% CI: 55.1-56.2	53.7% 95% CI: 52.8-54.5	<u>No changes</u> : same as 2003

* Not repeated in 2007: Indicator 5.1 preschool, Head Start or Early Start attendance was not repeated in 2007 NSCH survey.

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Summary of key differences in indicator measurement from 2003 to 2007

Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Family Health and Activities *			
6.1: Physical health status of child's mother, excellent/very good	66.2% 95% CI: 65.7-66.8	64.7% 95% CI: 63.8-65.5	<u>No changes</u> : same as 2003
6.1b: Physical health status of child's father, excellent/very good	72.1% 95% CI: 71.4-72.8	69.5% 95% CI: 68.6-70.4	<u>No changes</u> : same as 2003 -- indicator not calculated in 2003
6.2: Mental health status of child's mother, excellent/very good	71.4% 95% CI: 70.9-72.0	71.5% 95% CI: 70.7-72.3	<u>No changes</u> : same as 2003
6.2a: Mental health status of child's father, excellent/very good	78.0% 95% CI: 77.4-78.7	77.1% 95% CI: 76.2-78.0	<u>No changes</u> : same as 2003 -- indicator not calculated in 2003
6.3: Overall health status of child's mother, excellent/very good	58.9% 95% CI: 58.3-59.5	56.9% 95% CI: 56.0-57.8	<u>No changes</u> : same as 2003
6.3a: Overall health status of child's father, excellent/very good	66.2% 95% CI: 65.5-66.9	62.7% 95% CI: 61.8-63.7	<u>No changes</u> : same as 2003 -- indicator not calculated in 2003
6.4: Tobacco use in households	29.5% 95% CI: 70.0-71.0	26.2% 95% CI: 25.4-26.9	<u>No changes</u> : same as 2003
6.4a: Exposure to secondhand smoke at home	N/A	7.6% 95% CI: 7.2-8.0	<u>New content</u> : questions not included in the 2003 survey
6.5: Children living in "working poor" households	12.6% 95% CI: 12.2-13.1	11.8% 95% CI: 11.2-12.3	<u>No changes</u> : same as 2003
6.6: Family outings every day, age 0-5	23.8% 95% CI: 23.0-24.6	13.9% 95% CI: 12.9-14.9	<u>Content changes</u> : location of item in survey and time period changed
6.7: Family reads to child every day, age 0-5	47.8% 95% CI: 46.9-48.8	47.8% 95% CI: 46.4-49.3	<u>No changes</u> : same as 2003
6.7a: Family sings or tells stories to child every day, age 0-5	N/A	59.1% 95% CI: 57.6-60.6	<u>New content</u> : questions not included in the 2003 survey
6.8: Family eats meals together every day	47.2% 95% CI: 46.7-47.8	45.8% 95% CI: 45.0-46.6	<u>No changes</u> : same as 2003

Family Health and Activities (contd.) *	2003 NSCH	2007 NSCH	
6.9: Adequate amount of sleep every night, age 6-17	68.8% 95% CI: 68.2-69.4	64.3% 95% CI: 63.4-65.2	<u>No changes</u> : same as 2003
6.10: Time spent watching TV or playing video games on a weekday for 4 hours or more, age 6-17	7.2% 95% CI: 6.9-7.6	10.8% 95% CI: 10.2-11.4	<u>Content changes</u> : wording of question changed from "how many hours" to "how much time"
6.10a: Time spent watching TV or videos on a weekday for 4 hours or more, age 1-5	N/A	12.8% 95% CI: 11.7-13.9	<u>New content</u> : questions not included in the 2003 survey
6.10b: Child has TV in bedroom, age 6-17	N/A	50.2% 95% CI: 49.2-51.1	<u>New content</u> : questions not included in the 2003 survey
6.11: Child stays home alone, age 6-11	15.9% 95% CI: 15.3-16.6	9.3% 95% CI: 8.6-10.0	<u>Content changes</u> : introduction text changed
6.12: Parental aggravation with child	7.9% 95% CI: 7.6-8.3	10.2% 95% CI: 9.7-10.8	<u>Content changes</u> : response category of "rarely" was added
6.13: Last minute child care arrangements 3 or more times, age 0-5	5.7% 95% CI: 5.3-6.2	7.8% 95% CI: 7.0-8.6	<u>Content changes</u> : the 2007 survey first asked parents if their child needed care
6.14: Child care issues affected employment, age 0-5	11.1% 95% CI: 10.5-11.7	12.4% 95% CI: 11.4-13.4	<u>No changes</u> : same as 2003
6.15: One or more child care issues, age 0-5	33.2% 95% CI: 32.3-34.1	30.7% 95% CI: 29.3-32.0	<u>Content changes</u> : the 2007 survey first asked parents if their child needed care
6.16a: Sources of 10+ hours of childcare: preschool, day care, etc. age 0-5	N/A	10.4% 95% CI: 9.4-11.3	<u>New content</u> : questions not included in the 2003 survey

* Not repeated in 2007: Indicator 6.16 non-parental child care attendance was not repeated in 2007 NSCH survey.

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Summary of key differences in indicator measurement from 2003 to 2007

Indicators	Percent of children meeting indicator		Key changes to indicator content
	2003 NSCH	2007 NSCH	
Neighborhood Safety and Support			
7.1: Supportive neighborhoods	81.4% 95% CI: 80.9-81.8	83.2% 95% CI: 82.6-83.9	<u>No changes</u> : same as 2003
7.2: Safe communities	83.8% 95% CI: 83.3-84.2	86.1% 95% CI: 85.4-86.7	<u>No changes</u> : same as 2003
7.3: Safe schools, age 6-17	88.4% 95% CI: 87.9-88.9	89.6% 95% CI: 88.9-90.2	<u>No changes</u> : same as 2003
7.4: Presence of neighborhood amenities, all 4 amenities	N/A	48.2% 95% CI: 47.3-49.0	<u>New content</u> : Questions not included in 2003 survey
7.5: Presence of detracting neighborhood elements, dilapidated housing	N/A	14.6% 95% CI: 14.0-15.2	<u>New content</u> : Questions not included in 2003 survey

For more information on the indicators summarized here, please refer to the details box for each question, the indicator codebook (COMING SOON!), or email us at cahmi@ohsu.edu.