

Sindh MICS5 Indicators: Numerators and Denominators

MICS INDICATOR		Module ¹	Numerator	Denominator	MDG Indicator Reference ²
1. MORTALITY³					
1.1	Under-five mortality rate	CM - BH	Probability of dying between birth and the fifth birthday		MDG 4.1
1.2	Infant mortality rate	CM - BH	Probability of dying before the first fall below birthday		MDG 4.2
2. NUTRITION					
2.1a 2.1b	Underweight prevalence	AN	Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) minus three standard deviations (severe) of the median weight for age of the WHO standard	Total number of children under age 5	MDG 1.8
2.2a 2.2b	Stunting prevalence	AN	Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) below minus three standard deviations (severe) from the median height for age of the WHO standard	Total number of children under age 5	
2.3a 2.3b	Wasting prevalence	AN	Number of children under age 5 who fall below (a) minus two standard deviations (moderate and severe) (b) minus three standard deviations (severe) from the median weight for height of the WHO standard	Total number of children under age 5	
2.3c	Overweight prevalence	AN	Number of children under age 5 who are above two standard deviations from the median weight for height of the WHO standard	Total number of children under age 5	
2.4	Children ever breastfed	MN	Number of women with a live birth in the 2 years preceding the survey who breastfed the child at any time	Total number of women with a live birth in the 2 years preceding the survey	
2.5	Early initiation of breastfeeding	MN	Number of women with a live birth in the 2 years preceding the survey who put the newborn to the breast within 1 hour of birth	Total number of women with a live birth in the 2 years preceding the survey	

¹Some indicators are constructed by using questions in several modules in the MICS questionnaires. In such cases, only the module(s) which contains most of the necessary information is indicated.

²Millennium Development Goals (MDG) indicators as of February 2010 - <http://mdgs.un.org/unsd/mdg/Host.aspx?Content=Indicators/OfficialList.htm>

³When the Birth History module is used, mortality indicators are calculated for the 5-year period preceding the survey. When the indicators are estimated indirectly (using the Fertility module only), the rates refer to dates as estimated by the indirect technique.

2.6	Exclusive breastfeeding under 6 months	BD	Number of infants under 6 months of age who are exclusively breastfed ⁴	Total number of infants under 6 months of age	
2.7	Continued breastfeeding at 1 year	BD	Number of children age 12-15 months who are currently breastfeeding	Total number of children age 12-15 months	
2.8	Continued breastfeeding at 2 years	BD	Number of children age 20-23 months who are currently breastfeeding	Total number of children age 20-23 months	
2.9	Predominant breastfeeding under 6 months	BD	Number of infants under 6 months of age who received breast milk as the predominant source of nourishment ⁵ during the previous day	Total number of infants under 6 months of age	
2.10	Duration of breastfeeding	BD	The age in months when 50 percent of children age 0-35 months did not receive breast milk during the previous day		
2.11	Bottle feeding	BD	Number of children age 0-23 months who were fed with a bottle during the previous day	Total number of children age 0-23 months	
2.12	Introduction of solid, semi-solid or soft foods	BD	Number of infants age 6-8 months who received solid, semi-solid or soft foods during the previous day	Total number of infants age 6-8 months	
2.13	Minimum meal frequency	BD	Number of children age 6-23 months receiving solid, semi-solid and soft foods (plus milk feeds for non-breastfed children) the minimum times ⁶ or more, according to breastfeeding status, during the previous day	Total number of children age 6-23 months	
2.14	Age-appropriate breastfeeding	BD	Number of children age 0-23 months appropriately fed ⁷ during the previous day	Total number of children age 0-23 months	
2.15	Milk feeding frequency for non-breastfed children	BD	Number of non-breastfed children age 6-23 months who received at least 2 milk feedings during the previous day	Total number of non-breastfed children age 6-23 months	

⁴ Infants receiving breast milk, and not receiving any other fluids or foods, with the exception of oral rehydration solution, vitamins, mineral supplements and medicines

⁵ Infants who receive breast milk and certain fluids (water and water-based drinks, fruit juice, ritual fluids, oral rehydration solution, drops, vitamins, minerals, and medicines), but do not receive anything else (in particular, non-human milk and food-based fluids)

⁶ Breastfeeding children: Solid, semi-solid, or soft foods, two times for infants age 6-8 months, and three times for children 9-23 months; Non-breastfeeding children: Solid, semi-solid, or soft foods, or milk feeds, four times for children age 6-23 months

⁷ Infants age 0-5 months who are exclusively breastfed, and children age 6-23 months who are breastfed and ate solid, semi-solid or soft foods

2.16	Iodized salt consumption	SI	Number of households with salt testing 15 parts per million or more of iodide/iodate	Total number of households in which salt was tested or with no salt	
2.17	Vitamin A supplementation (children under age 3)	IM	Number of children age 6-35 months who received at least one high-dose vitamin A supplement in the 6 months preceding the survey	Total number of children age 6-35 months	
2.18	Low-birthweight infants	MN	Number of last live births in the 2 years preceding the survey weighing below 2,500 grams at birth	Total number of last live births in the 2 years preceding the survey	
2.19	Infants weighed at birth	MN	Number of last live births in the 2 years preceding the survey who were weighed at birth	Total number of last live births in the 2 years preceding the survey	
2.20	Minimum dietary diversity	BD	Number of children age 6–23 months who received foods from 4 or more food groups ⁸ during the previous day	Total number of children age 6–23 months	
2.21a 2.21b	Minimum acceptable diet	BD	a) Number of breastfed children 6–23 months of age who had at least the minimum dietary diversity and the minimum meal frequency during the previous day b) Number of non-breastfed children 6–23 months of age who received at least 2 milk feedings and had at least the minimum dietary diversity not including milk feeds and the minimum meal frequency during the previous day	a) Number of breastfed children 6–23 months of age b) Number of non-breastfed children 6–23 months of age	

3. CHILD HEALTH

3.1	Tuberculosis immunization coverage	IM	Number of children age 12-23 months who received BCG vaccine by their first birthday	Total number of children age 12-23 months	
3.2	Polio immunization coverage	IM	Number of children age 12-23 months who received the third dose of OPV vaccine (OPV3) by their first birthday	Total number of children age 12-23 months	
3.3	Immunization coverage for diphtheria, pertussis and tetanus (DPT)	IM	Number of children age 12-23 months who received the third dose of Pentavalent vaccine by their first birthday	Total number of children age 12-23 months	
3.4	Measles immunization coverage ⁹	IM	Number of children age 12-23 months who received measles vaccine by their first birthday	Total number of children age 12-23 months	MDG 4.3
3.5	Hepatitis B immunization coverage	IM	Number of children age 12-23 months who received the third dose of Pentavalent vaccine by their first birthday	Total number of children age 12-23 months	
3.5a	Haemophilus influenza type B (Hib) immunization coverage	IM	Number of children age 12-23 months who received the third dose of Pentavalent vaccine by their first birthday	Total number of children age 12-23 months	
3.7	Neonatal tetanus protection	MN	Number of women age 15-49 years with a live birth in the	Total number of women age 15-49 years with a live	

⁸The 7 foods groups used for this indicator are: 1) grains, roots and tubers, 2) legumes and nuts, 3) dairy products (milk, yogurt, cheese), 4) flesh foods (meat, fish, poultry and liver/organ meats), 5) eggs, 6) vitamin-A rich fruits and vegetables, and 7) other fruits and vegetables

⁹In countries where measles vaccination is administered at or after 12 months of age according to the vaccination schedule, the indicator is calculated as the proportion of children age 24-35 months who received the measles vaccine by 24 months of age

			last 2 years who were given at least two doses of tetanus toxoid vaccine within the appropriate interval ¹⁰ prior to giving birth	birth in the last 2 years.	
3.8	Oral rehydration therapy with continued feeding	CA	Number of children under age 5 with diarrhoea in the 2 weeks preceding the survey who received ORT (ORS packet, recommended homemade fluid or increased fluids) and continued feeding during the episode of diarrhoea	Total number of children under age 5 with diarrhoea in the 2 weeks preceding the survey	
3.9	Care-seeking for suspected pneumonia	CA	Number of children under age 5 with suspected pneumonia in the 2 weeks preceding the survey who were taken to an appropriate health provider	Total number of children under age 5 with suspected pneumonia in the 2 weeks preceding the survey	
3.10	Antibiotic treatment of suspected pneumonia	CA	Number of children under age 5 with suspected pneumonia in the 2 weeks preceding the survey who received antibiotics	Total number of children under age 5 with suspected pneumonia in the 2 weeks preceding the survey	
3.11	Use of solid fuels for cooking	HC	Number of household members in households that use solid fuels as the primary source of domestic energy to cook	Total number of household members	
3.12	Household availability of insecticide-treated nets (ITNs) ¹¹	TN	Number of households with at least one insecticide treated net (ITN)	Total number of households	
3.13	Households covered by vector control	TN-IR	Number of households with at least one insecticide-treated net (ITN) or that received spraying through an IRS ¹² campaign in the last 12 months preceding the survey	Total number of households	
3.14	Children under age 5 sleeping under any type of mosquito net	TN	Number of children under age 5 who slept under any type of mosquito net the previous night	Total number of children under age 5 who spent the previous night in the interviewed households.	
3.15	Children under age 5 sleeping under insecticide-treated nets (ITNs)	TN	Number of children under age 5 who slept under an insecticide-treated mosquito net (ITN) the previous night	Total number of children under age 5	MDG 6.7
3.16	Malaria diagnostics usage	ML	Number of children under age 5 reported to have had fever in the 2 weeks preceding the survey who had a finger or heel stick for malaria testing	Total number of children under age 5 reported to have had fever in the 2 weeks preceding the survey	

¹⁰ See MICS manual for a detailed description

¹¹ An ITN is (a) a factory treated net which does not require any treatment, (b) a pretreated net obtained within the past 12 months, or (c) a net that has been soaked with or dipped in insecticide within the past 12 months

¹² Indoor Residual Spraying

3.17	Anti-malarial treatment of children under age 5 the same or next day	ML	Number of children under age 5 reported to have had fever in the 2 weeks preceding the survey who were treated with any anti-malarial drug within the same or next day of onset of symptoms	Total number of children under age 5 reported to have had fever in the 2 weeks preceding the survey	
3.18	Anti-malarial treatment of children under age 5	ML	Number of children under age 5 reported to have had fever in the 2 weeks preceding the survey who received any antimalarial treatment	Total number of children under age 5 reported to have had fever in the 2 weeks preceding the survey	MDG 6.8
3.19	Pregnant women sleeping under insecticide-treated nets (ITNs)	TN	Number of pregnant women who slept under an insecticide-treated net (ITN) the previous night	Total number of pregnant women	

4. WATER AND SANITATION

4.1	Use of improved drinking water sources	WS	Number of household members using improved sources of drinking water	Total number of household members	MDG 7.8
4.2	Water treatment	WS	Number of household members using unimproved drinking water who use an appropriate treatment method	Total number of household members in households using unimproved drinking water sources	
4.3	Use of improved sanitation	WS	Number of household members using improved sanitation facilities which are not shared	Total number of household members	MDG 7.9
4.4	Safe disposal of child's faeces	CA	Number of children age 0-2 years whose last stools were disposed of safely	Total number of children age 0-2 years	
4.5	Place for handwashing	HW	Number of households with a specific place for hand washing where water and soap or other cleansing agent are present	Total number of households	
4.6	Availability of soap or other cleansing agent	HW	Number of households with soap or other cleansing agent	Total number of households	

5. REPRODUCTIVE HEALTH

5.1	Adolescent birth rate ¹³	CM - BH	Age-specific fertility rate for women age 15-19 years for the one year period preceding the survey		MDG 5.4
5.2	Early childbearing	CM - BH	Number of women age 20-24 years who had at least one live birth before age 18	Total number of women age 20-24 years	

¹³ Indicator is defined as "Age-specific fertility rate for women age 15-19 years, for the 3-year period preceding the survey" when estimated from the birth history

5.3	Contraceptive prevalence rate	CP	Number of women age 15-49 years currently married who are using (or whose partner is using) a (modern or traditional) contraceptive method	Total number of women age 15-49 years who are currently married	MDG 5.3
5.4	Unmet need ¹⁴	UN	Number of women age 15-49 years who are currently married who are fecund and want to space their births or limit the number of children they have and who are not currently using contraception	Total number of women age 15-49 years who are currently married	MDG 5.6
5.5a 5.5b	Antenatal care coverage	MN	Number of women age 15-49 years who were attended during their last pregnancy that led to a live birth in the 2 years preceding the survey (a) at least once by skilled health personnel (b) at least four times by any provider	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	MDG 5.5
5.6	Content of antenatal care	MN	Number of women age 15-49 years with a live birth in the 2 years preceding the survey who had their blood pressure measured and gave urine and blood samples during the last pregnancy	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	
5.7	Skilled attendant at delivery	MN	Number of women age 15-49 years with a live birth in the 2 years preceding the survey who were attended during childbirth by skilled health personnel	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	MDG 5.2
5.8	Institutional deliveries	MN	Number of women age 15-49 years with a live birth in the 2 years preceding the survey who delivered in a health facility	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	
5.9	Caesarean section	MN	Number of last live births in the 2 years preceding the survey that were delivered by caesarean section	Total number of last live births in the 2 years preceding the survey	
5.10	Post-partum stay in health facility	PN	Number of women age 15-49 years who stayed in the health facility for 12 hours or more after the delivery of their last live birth in the 2 years preceding the survey	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	
5.11	Post-natal health check for the newborn	PN	Number of last live births in the 2 years preceding the survey who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery	Total number of last live births in the 2 years preceding the survey	
5.12	Post-natal health check for the mother	PN	Number of women age 15-49 years who received a health check while in facility or at home following delivery, or a post-natal care visit within 2 days after delivery	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	

¹⁴See MICS manual for a detailed description

6. CHILD DEVELOPMENT					
6.1	Support for learning	EC	Number of children age 36-59 months with whom an adult has engaged in four or more activities to promote learning and school readiness in the past 3 days	Total number of children age 36-59 months	
6.2a	Father's support for learning	EC	Number of children age 36-59 months whose biological father has engaged in four or more activities to promote learning and school readiness in the past 3 days	Total number of children age 36-59 months	
6.2b	Mother's support for learning	EC	Number of children age 36-59 months whose biological mother has engaged in four or more activities to promote learning and school readiness in the past 3 days	Total number of children age 36-59 months	
6.3	Availability of children's books	EC	Number of children under age 5 who have three or more children's books	Total number of children under age 5	
6.4	Availability of playthings	EC	Number of children under age 5 who play with two or more types of playthings	Total number of children under age 5	
6.5	Inadequate care	EC	Number of children under age 5 left alone or in the care of another child younger than 10 years of age for more than one hour at least once in the past week	Total number of children under age 5	
6.6	Early child development index	EC	Number of children age 36-59 months who are developmentally on track in at least three of the following four domains literacy-numeracy, physical, social-emotional, and learning.	Total number of children age 36-59 months	
6.7	Attendance to early childhood education	EC	Number of children age 36-59 months who are attending an early childhood education programme	Total number of children age 36-59 months	

7. LITERACY AND EDUCATION					
7.1	Literacy rate among young women	WB	Number of women age 15-24 years who are able to read a short simple statement about everyday life or who attended secondary or higher education	Total number of women age 15-24 years	MDG 2.3
7.2	School readiness	ED	Number of children in first grade of primary school who attended pre-school during the previous school year	Total number of children attending the first grade of primary school	
7.3	Net intake rate in primary education	ED	Number of children of school-entry age who enter the first grade of primary school	Total number of children of school-entry age	
7.4	Primary school net attendance ratio (adjusted)	ED	Number of children of primary school age currently attending primary or secondary school	Total number of children of primary school age	MDG 2.1
7.5	Secondary school net attendance ratio (adjusted)	ED	Number of children of secondary school age currently attending secondary school or higher	Total number of children of secondary school age	

7.6	Children reaching last grade of primary	ED	Proportion of children entering the first grade of primary school who eventually reach last grade		MDG 2.2
7.7	Primary completion rate	ED	Number of children attending the last grade of primary school (excluding repeaters)	Total number of children of primary school completion age (age appropriate to final grade of primary school)	
7.8	Transition rate to secondary school	ED	Number of children attending the last grade of primary school during the previous school year who are in the first grade of secondary school during the current school year	Total number of children attending the last grade of primary school during the previous school year	
7.9	Gender parity index (primary school)	ED	Primary school net attendance ratio (adjusted) for girls	Primary school net attendance ratio (adjusted) for boys	MDG 3.1
7.10	Gender parity index (secondary school)	ED	Secondary school net attendance ratio (adjusted) for girls	Secondary school net attendance ratio (adjusted) for boys	MDG 3.1
7.11	Percentage of pupil attending Government registered Madrassa	ED	Number of pupil currently attending government registered madrassa	Total number of pupil currently attending school, preschool or any other educational institute	

8. CHILD PROTECTION

8.1	Birth registration	BR	Number of children under age 5 whose births are reported registered	Total number of children under age 5	
8.2	Child labour	CL	Number of children age 5-17 years who are involved in child labour ¹⁵	Total number of children age 5-17 years	
8.5	Violent discipline	CD	Number of children age 1-14 years who experienced psychological aggression or physical punishment during the last one month preceding the survey	Total number of children age 1-14 years	
8.6	Marriage before age 15	MA	Number of women age 15-49 years who were first married before age 15	Total number of women age 15-49 years	
8.7	Marriage before age 18	MA	Number of women age 20-49 years who were first married before age 18	Total number of women age 20-49 years	
8.8	Young women age 15-19 years currently married	MA	Number of women age 15-19 years who are currently married	Total number of women age 15-19 years	
8.9	Polygyny	MA	Number of women age 15-49 years who are in a polygynous status	Total number of women age 15-49 years who are currently married	
8.10a 8.10b	Spousal age difference	MA	Number of women currently married whose spouse is 10 or more years older, (a) for women age 15-19 years, (b) for women age 20-24 years	Total number of women currently married (a) age 15-19 years, (b) age 20-24 years	

¹⁵Children involved in child labour are defined as children involved in economic activities above the age-specific thresholds, children involved in household chores above the age-specific thresholds, and children involved in hazardous work. Refer to the MICS tabulation plan for more detailed information on thresholds and classifications

8.14	Attitudes towards domestic violence	DV	Number of women who state that a husband is justified in hitting or beating his wife in at least one of the following circumstances: (1) she goes out without telling him, (2) she neglects the children, (3) she argues with him, (4) she refuses sex with him, (5) she burns the food	Total number of women age 15-49 years	
8.15	Children's living arrangements	HL	Number of children age 0-17 years living with neither biological parent	Total number of children age 0-17 years	
8.16	Prevalence of children with one or both parents dead	HL	Number of children age 0-17 years with one or both biological parents dead	Total number of children age 0-17 years	
8.17	School attendance of orphans	HL - ED	Number of children age 10-14 years who have lost both parents and are attending school	Total number of children age 10-14 years who have lost both parents	MDG 6.4
8.18	School attendance of non-orphans	HL - ED	Number of children age 10-14 years, whose parents are alive, who are living with one or both parents, and who are attending school	Total number of children age 10-14 years, whose parents are alive, and who are living with one or both parents	MDG 6.4
8.19	Children with at least one parent living abroad	HL	Number of children 0-17 years with at least one biological parent living abroad	Total Number of children 0-17 years	

9. HIV/AIDS

9.2	Knowledge about HIV prevention among young women	HA	Number of women age 15-24 years who correctly identify ways of preventing the sexual transmission of HIV ¹⁶ , and who reject major misconceptions about HIV transmission	Total number of women age 15-24 years	MDG 6.3
9.3	Knowledge of mother-to-child transmission of HIV	HA	Number of women age 15-49 years who correctly identify all three means ¹⁷ of mother-to-child transmission of HIV	Total number of women age 15-49 years	
9.4	Accepting attitudes towards people living with HIV	HA	Number of women age 15-49 years expressing accepting attitudes on all four questions ¹⁸ toward people living with HIV	Total number of women age 15-49 years who have heard of HIV	

¹⁶Using condoms and limiting sex to one faithful, uninfected partner

¹⁷Transmission during pregnancy, during delivery, and by breastfeeding

¹⁸Women (1) who think that a female teacher with the AIDS virus should be allowed to teach in school, (2) who would buy fresh vegetables from a shopkeeper or vendor who has the AIDS virus, (3) who would not want to keep it as a secret if a family member became infected with the AIDS virus, and (4) who would be willing to care for a family member who became sick with the AIDS virus

10. ACCESS TO MASS MEDIA AND USE OF INFORMATION/COMMUNICATION TECHNOLOGY					
10.1	Exposure to mass media	MT	Number of women age 15-49 years who, at least once a week, read a newspaper or magazine, listen to the radio, and watch television	Total number of women age 15-49 years	
10.2	Use of computers	MT	Number of young women age 15-24 years who used a computer during the last 12 months	Total number of women age 15-24 years	
10.3	Use of internet	MT	Number of young women age 15-24 who used the internet during the last 12 months	Total number of women age 15-24 years	
10.4	Use of Social Media	MT	Number of young women age 15-24 who used the Social Media on internet during the last 12 months	Total number of women age 15-24 years	

12. TOBACCO USE					
12.1	Tobacco use	TA	Number of women age 15-49 years who smoked cigarettes, or used smoked or smokeless tobacco products on one or more days during the last one month preceding the survey	Total number of women age 15-49 years	
12.2	Smoking before age 15	TA	Number of women age 15-49 years who smoked a whole cigarette before age 15	Total number of women age 15-49 years	

13. VISIT FROM LADY HEALTH WORKER					
13.1	LHW Visits	LH	Visits of Lady Health Worker in the HH during last three month	Total number of currently married women age 15-49 years	

14. HEPATITIS MODULE					
14.1	Knowledge to avoid getting Hepatitis	HE	Number of Women age 15-49 who have knowledge to avoid getting hepatitis	Total number of women age 15-49 years	

15. WATER QUALITY					
15.1	Arsenic concentration in household drinking water	WQ	Number of household members using drinking water with over 10 ppb Arsenic concentration	Number of household members whose household was tested for arsenic level in drinking water	
15.2	Nitrate concentration in household drinking water	WQ	Number of household members using drinking water with nitrate level above 10 ppm	Number of household members whose household was tested for nitrate level in drinking water	
15.3	Fluoride concentration in household drinking water	WQ	Number of household members using drinking water with fluoride level above 1.5 ppm	Number of household members whose household was tested for fluoride level in drinking water	
15.4	Iron concentration in household drinking water	WQ	Number of household members using drinking water with iron level above 0.3 ppm	Number of household members whose household was tested for iron level in drinking water	
15.5	Hard Water concentration in household drinking water	WQ	Number of household members using drinking water with total hardness level above 500 ppm	Number of household members whose household was tested for total hardness level in drinking water	
15.6	TDS concentration in household drinking water	WQ	Number of household members using drinking water with TDS level above 1000 ppm	Number of household members whose household was tested for TDS level in drinking water	
15.7	<i>E.coli</i> concentration in household drinking water	WQ	Number of household members using drinking water with <i>E.coli</i> above 0 cfu/ml	Number of household members whose household was tested for <i>E.coli</i> contamination	
15.8	<i>E.coli</i> concentration in drinking water sources	WQ	Number of household's drinking water sources with <i>E.coli</i> above 0 cfu/ml	Number of households whose drinking water sources were tested for <i>E.coli</i> contamination	

16. Salt Iodization					
16.1	Adequately iodized salt consumption (2.19 MICS Indicator) (RTK*)	SI	Number of households with salt testing 15 parts per million (ppm) or more of iodide/iodate by RTK	Total number of households in which salt was tested or where there was no salt	
16.2	Iodized salt consumption (RTK)	SI	Number of households with salt testing 1 part per million (ppm) or more of iodide/iodate by RTK	Total number of households in which salt was tested or where there was no salt	
16.3	Adequately iodized salt consumption quantitative (Titration)	SI	Number of households with salt testing 15 parts per million (ppm) or more of iodide/iodate by titration	Total number of households identified for salt sample collection in which salt was tested by titration or where there was no salt	
16.4	Iodized salt consumption quantitative (Titration)	SI	Number of households with salt testing 5 part per million (ppm) or more of iodide/iodate by titration	Total number of households identified for salt sample collection in which salt was tested by titration or where there was no salt	
16.5	Sensitivity of the rapid test kit for iodised salt in Sindh Province	SI	Number of salt samples testing 15 parts per million (ppm) or more of iodide/iodate by titration AND having the same result by RTK (True positive)	Number of salt samples tested by both titration and RTK which were True positive (>15ppm by titration and > 15 ppm by RTK) or false negative (>15ppm by titration and < 15 ppm by RTK) by RTK.	
16.6	Specificity of the rapid test kit for iodised salt in Sindh Province	SI	Number of salt samples testing less than 15 parts per million (ppm) of iodide/iodate by titration AND having the same result by RTK (True negative)	Number of salt samples tested by both titration and RTK which were True negative (<15ppm by titration and <15 ppm by RTK) or false positive (< 15ppm by titration and > 15 ppm by RTK) by RTK.	
16.7	Purchasing behaviour for iodized salt	SI	Number of respondents who look to buy iodised salt (logo or label)	Total number of households identified for salt sample collection with salt in the house	
16.8	Iodized salt packaging	SI	Number of households where salt bought in a sealed package	Total number of households identified for salt sample collection with salt in the house	
16.9	Adequacy of iodization by salt brand (repeat for each of 5 brands)	SI	Number of households with salt testing 15 parts per million or more of iodide/iodate	Total number of households identified for salt sample collection that were using salt from specific brand (repeat for 5 brand types)	
16.10	Iodization by salt brand (repeat for each of 5 brands)	SI	Number of households with salt testing 5 parts per million or more of iodide/iodate	Total number of households identified for salt sample collection that were using salt from specific brand (repeat for 5 brand types)	