

PUNJAB MICS4 INDICATORS: NUMERATORS AND DENOMINATORS

MICS4 INDICATOR	Module ¹⁷	Numerator	Denominator	MDG ¹⁸
1. MORTALITY				
1.1 Under-five mortality rate	CM	Probability of dying by exact age 5 years		MDG 4.1
1.2 Infant mortality rate	CM	Probability of dying by exact age 1 year		MDG 4.2
2. NUTRITION				
2.1a Underweight prevalence	AN	Number of children under age 5 who (a) fall below minus two standard deviations (moderate and severe) (b) fall below minus three standard deviations (severe) from the median weight for age of the WHO standard	Total number of children under age 5	MDG 1.8
2.2a Stunting prevalence	AN	Number of children under age 5 who (a) fall below minus two standard deviations (moderate and severe) (b) fall 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 Wasting prevalence	AN	Number of children under age 5 who (a) fall below minus two standard deviations (moderate and severe) (b) fall below minus three standard deviations (severe) 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 infant to the breast within 1 hour of birth	Total number of women with a live birth in the 2 years preceding the survey	
2.6 Exclusive breastfeeding under 6	BF	Number of infants under 6 months of age who are exclusively	Total number of infants under 6 months of age	

¹⁷ Some indicators are constructed by using questions in several modules. In such cases, only the module(s) which contains most of the necessary information is indicated.

¹⁸ MDG indicators as of February 2010.

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	months		breastfed ¹⁹		
2.7	Continued breastfeeding at 1 year	BF	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	BF	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	BF	Number of infants under 6 months of age who received breast milk as the predominant source of nourishment ²⁰ during the previous day	Total number of infants under 6 months of age	
2.11	Bottle feeding	BF	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	BF	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	BF	Number of children age 6-23 months receiving solid, semi-solid and soft foods (plus milk feeds for non-breastfed children) the minimum times ²¹ or more, according to breastfeeding status, during the previous day	Total number of children age 6-23 months	
2.14	Age-appropriate breastfeeding	BF	Number of children age 0-23 months appropriately fed ²² during the previous day	Total number of children age 0-23 months	
2.15	Milk feeding frequency for non-breastfed children	BF	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	
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 5)	IM	Number of children age 6-59 months who received at least one high-dose vitamin A supplement in the 6 months preceding the survey	Total number of children age 6-59 months	

¹⁹ Infants receiving breast milk, and not receiving any other fluids or foods, with the exception of oral rehydration solution, vitamins, mineral supplements and medicines.

²⁰ 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).

²¹ Breastfeeding children: Solid, semi-solid, or soft foods, two times for infants age 6-8 months, 3 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.

²² Infants age 0-5 who are exclusively breastfed, and children age 6-23 months who are breastfed and ate solid, semi-solid or soft foods.

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2.18	Low-birth weight 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	
3. CHILD HEALTH					
3.1	Tuberculosis immunization coverage ²³	IM	Number of children age 12-23 months who received BCG vaccine before 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 OPV3 vaccine before 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 DPT3 vaccine before their first birthday	Total number of children age 12-23 months	
3.4	Measles immunization coverage	IM	Number of children age 12-23 months who received measles vaccine before 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 Hepatitis B vaccine before 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 2 years preceding the survey who were given at least two doses of tetanus toxoid vaccine within the appropriate interval ²⁴ prior to giving birth	Total number of women age 15-49 years with a live birth in the 2 years preceding the survey	
3.8	Oral rehydration therapy with continued feeding	CA	Number of children under age 5 with diarrhoea in the previous 2 weeks who received ORT (ORS packet or 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 previous 2 weeks	
3.9	Care-seeking for suspected pneumonia	CA	Number of children under age 5 with suspected pneumonia in the previous 2 weeks who were taken to an appropriate health provider	Total number of children under age 5 with suspected pneumonia in the previous 2 weeks	
3.11	Solid fuels	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	

²³ Age groups used in indicators 3.1 to 3.6 are applicable when basic immunization schedules are used (with measles administered at 9 months). For the calculation of indicators when different schedules are used, see MICS4 manual for detailed descriptions.

²⁴ See MICS4 manual for a detailed description.

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4. WATER AND SANITATION				
4.1	WS	Number of household members using improved sources of drinking water	Total number of household members	MDG 7.8
4.2	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	WS	Number of household members using improved sanitation facilities	Total number of household members	MDG 7.9
4.5	WS	Number of households with a designated place for hand washing where water and soap are present	Total number of households	
4.6	WS	Number of households with soap anywhere in the dwelling	Total number of households	
5. REPRODUCTIVE HEALTH				
5.1	CM	Age-specific fertility rate for women age 15-19 years		
5.2	CM	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	
5.3	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	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	MN	Number of women age 15-49 years who were attended during pregnancy in the 2 years preceding the survey (a) at least once by skilled 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	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	

²⁵ See MICS4 manual for a detailed description.

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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 who were delivered by caesarean section	Total number of last live births in the 2 years preceding the survey	
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
	Literacy rate 10+		Number of household members age 10 year or older who are able, with understanding, to both read & write in any language (excluding quranic reading, if this was the only response).	Total household members age 10 year or older surveyed	
	Literacy rate 15+		Number of household members age 15 year or older who are able, with understanding, to both read & write in any language (excluding quranic reading, if this was the only response).	Total household members age 15 year or older surveyed	
	Literacy rate 15-24 Years		Number of household members age 15-24 years who are able, with understanding, to both read & write in any language (excluding quranic reading, if this was the only response).	Total household members age 15-24 years or older surveyed	
Note:- all these indicators can be computed from the age 10+ literacy rate					
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	

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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 (of any age) 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 who are attending the first grade of secondary school	
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
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 5-14 years who are involved in child labour	Total number of children age 5-14 years	
8.3	School attendance among child labourers	ED - CL	Number of children age 5-14 years who are involved in child labour and are currently attending school	Total number of children age 5-14 years involved in child labour	
8.4	Child labour among students	ED - CL	Number of children age 5-14 years who are involved in child labour and are currently attending school	Total number of children age 5-14 years attending school	
8.6	Marriage before age 15	MA	Number of women age 15-49 years who were first married by the exact age of 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 by the exact age of 18	Total number of women age 20-49 years	

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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	
9. HIV/AIDS					
9.1	Comprehensive knowledge about HIV prevention	HA	Number of women age 15-49 years who correctly identify two ways of preventing HIV infection ²⁶ , know that a healthy looking person can have HIV, and reject the two most common misconceptions about HIV transmission	Total number of women age 15-49 years	
9.2	Comprehensive knowledge about HIV prevention among young people	HA	Number of women age 15-24 years who correctly identify two ways of preventing HIV infection ¹² , know that a healthy looking person can have HIV, and reject the two most common 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 ²⁷ 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 ²⁸ toward people living with HIV	Total number of women age 15-49 years who have heard of HIV	
10. ADULT HEALTH CARE AND HEALTH CARE					
10.1	Care provided by Lady Health Worker (LHW)		Number of women aged 15-49 years that were visited by a Lady Health Worker (LHW) in the last month	Total number of women surveyed aged 15-49 years	
10.2	Prevalence of chronic cough		Number of household members with cough that lasted for the past 3 weeks or more before the survey	Total household members surveyed	
10.3	Reported tuberculosis		Number of household members who reported that they were diagnosed with tuberculosis in the past year	Total household members surveyed	
10.4	Reported hepatitis		Number of household members who reported that they were diagnosed	Total household members surveyed	

²⁶ Using condoms and limiting sex to one faithful, uninfected partner

²⁷ Transmission during pregnancy, during delivery, and by breastfeeding

²⁸ Women (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

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		with hepatitis in the past year		
11. SOCIO ECONOMIC DEVELOPMENT				
11.1	Ownership of assets: House, land, livestock	Number of household members who report that they own a house, land or livestock	Total number of household members in households surveyed	
11.2	Unemployment rate (15+ years)	Number of household members aged 15 years or older who are unemployed and are seeking jobs	Total number of household members in the active labour force [Government and private sector employees, self employees, labourers, those working in agriculture, livestock, poultry and fishery]	
11.3	Family member working outside village/town	Number of household members working outside village/town	Total number of household members in households surveyed	
11.4	Receiving remittances from Pakistan	Number of household members who received remittances from Pakistan during the year preceding the survey	Total number of household members in households surveyed	
11.5	Receiving remittances from abroad	Number of household members who received remittances from abroad during the year preceding the survey	Total number of household members in households surveyed	
11.6	Receiving cash donation	Number of household members who received cash donation such as zakat or other means during the year preceding the survey	Total number of household members in households surveyed	
11.7	Safety nets (Getting benefits from government schemes of social protection)	Number of household members who got benefits from government schemes of social protection [Benefits include: zakat, dearness allowance, health subsidy, education subsidy, marriage grant, subsidised food, others]	Total number of household members in households surveyed	
11.8	Purchasing goods from government utility stores	Number of household members who purchase goods from government utility stores	Total number of household members in households surveyed	
11.9	Receiving pensions	Number of household members who received pension during the year preceding the survey	Total number of household members in households surveyed	

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11.10	Mean household size		Number of members in a household	Total number of households surveyed	
11.11	Mean number of persons per room		Number of persons per room	Total number of households surveyed	
11.12	Household characteristics		Main material of floor, roof and wall [finished floor (pacca); finished roof (pacca); finished wall (pacca)]	Total number of households surveyed	
11.13	Percent of household members who own three or more possessions		Number of household members who own three or more possessions [Electricity, gas, radio, TV, cable TV, Telephone, mobile, computer, internet, fridge/ freezer, air conditioner, washing machine, cooler/ fan, cooking range/ microwave, stitching machine, iron, water filter, donkey pump or turbine]	Total number of household members in households surveyed	
11.14	Percent of household members who use at least one utility		Number of household members who use at least one utility [Watch, bicycle, motorcycle/scooter, car or other vehicle, animal drawn-cart]	Total number of household members in households surveyed	

