



# Fact Sheet

National Health and Morbidity Survey (NHMS) 2022 :  
Maternal and Child Health (MCH)

## INTRODUCTION

The National Health and Morbidity Survey (NHMS) has been an important platform for monitoring the health of the population in Malaysia. The first NHMS MCH was conducted in 2016 and then repeated second time in 2022, both of which concentrated on the health status of mothers with their most recent child under the age of 2, children under the age of 5, and women of reproductive age, 15 to 49 years.

## METHODOLOGY

NHMS 2022: MCH was a cross-sectional study using a complex study design with two-stage stratified random sampling. The survey involved all states and Federal Territories in Malaysia to produce nationally representative data. Face-to-face interviews were carried out by trained research assistants, together with structured self-administered questionnaires (SAQ) and clinical and anthropometric measurements by the nurses. A point-of-care finger-prick blood test was also done at a selected health clinics. A total of 25,414 respondents participated in the survey, representing a response rate of 74.9% from a total of 1,029 enumeration blocks (EB) consisting of 13,832 living quarters (LQ).

## MATERNAL CARE

Mothers aged 15-49 years with child below 2 years old

### ANTENATAL CARE

Prevalence of adequate ANC ( $\geq 4$  visits) : **98.1%**  
Prevalence of first antenatal visit at 1st trimester : **77.0%**  
Prevalence of mothers who did not miss or delay ANC visit during COVID-19 pandemic : **96.9%**  
Prevalence of current adolescent pregnancy : **2.0%**

### PREGNANCY COMORBIDITIES

Prevalence of mothers who had selected comorbidities during pregnancy of their last child birth

- Hypertension : **6.5%**
- GDM : **27.1%**
- Anaemia : **19.3%**
- Placenta previa : **2.7%**

### PRE-PREGNANCY CARE

Prevalence of mothers who has selected medical conditions before the last pregnancy : **9.3%**

## INTRAPARTUM CARE

Prevalence of safe deliveries among mothers : **98.4%**  
Prevalence of mode of delivery

- vaginal delivery : **71.6%**
- instrumental delivery (vacuum/forceps) : **2.2%**
- caesarean section : **26.2%**

Prevalence of place of delivery

- public health facility : **86.5%**
- private health facility : **11.7%**
- home delivery : **1.5%**
- others : **0.3%**

## POSTNATAL CARE

Prevalence of mothers who received home visit within 24 hours of birth notification : **79.1%**  
Prevalence of mothers attended clinics for postnatal care at one month postpartum : **95.0%**  
Prevalence of probable postnatal depression

- known : **0.8%**
- undiagnosed : **10.4%**
- overall (known and undiagnosed) : **11.2%**

## CHILD HEALTH

Children aged 0 - 59 months

### INFANT & YOUNG CHILD FEEDING

Prevalence of early initiation breastfeeding within 24 hours : **88.6%**  
Prevalence of ever breastfed : **94.9%**  
Prevalence of continued breastfeeding among children aged 12-23 months : **50.6%**

### ORAL HEALTH

Prevalence of last time child's teeth had been examined less than one year ago : **62.4%**  
Prevalence of place receiving dental examination or treatment

- Government dental clinic : **83.1%**
- Private dental clinic : **15.1%**
- Others : **1.8%**

### CHILD MORBIDITIES

Prevalence of children having the episode of (in the last 2 weeks)

- diarrhoea : **3.1%**
- acute respiratory infection (ARI) : **1.4%**
- either diarrhoea or ARI : **4.4%**

### CHILD DISCIPLINE

Prevalence of discipline methods experienced by children

- any violent discipline : **66.6%**
- psychological aggression : **58.1%**
- physical punishment : **40.6%**

### VACCINE HESITANCY

Prevalence of vaccine hesitancy among parents : **4.9%**



## ASSESSMENT FOR CHILDREN

Children below 5 years old

### NUTRITIONAL STATUS

Prevalence of low birth weight among full term infants: **6.6%**

Prevalence of nutritional status among under-five children

- Stunting : **21.2%**
- Wasting : **11.0%**
- Underweight : **15.3%**
- Overweight : **6.0%**

### CHILD DEVELOPMENT

Prevalence of children having developmental delay : **7.4%**

Prevalence of developmental delay by domain

- Gross motor : **1.0%**
- Fine motor : **1.9%**
- Speech/hearing : **2.7%**
- Social : **4.1%**

### VACCINATION COVERAGE

Prevalence of primary vaccination coverage

- Verified complete : **83.5%**
- Self-reported complete : **3.6%**
- Incomplete : **11.9%**
- Unvaccinated : **1.0%**

Prevalence of complete vaccination coverage by types of vaccine

- BCG : **94.9%**
- HEP B : **86.8%**
- DTaP-IPV-Hib : **90.7%**
- Pneumococcal : **92.8%**
- MMR : **88.1%**

### ANAEMIA

Prevalence of anaemia among children aged 6-59 months

- Mild : **24.3%**
- Moderate : **21.9%**
- Severe : **0.3%**
- Non- Anaemia : **53.5%**

For more information, please contact:



SCAN ME

Institute For Public Health (IKU)  
National Institute of Health (NIH)  
1, Jalan Setia Murni U13/52,  
Seksyen U13, Setia Alam  
40170 Shah Alam, Selangor

Tel : 03-3362 8787

Email : nhms2021.iku@moh.gov.my

## WOMAN OF REPRODUCTIVE AGE

Women aged 15 - 49 years

### CONTRACEPTION

Prevalence of current contraceptive used

- Any contraceptive method (CPR) : **42.8%**
- Modern contraceptive method : **34.5%**

Prevalence of demand for family planning satisfied with modern contraception : **51.6%**

Prevalence of unmet need for family planning : **26.7%**

Prevalence of unplanned pregnancy : **33.0%**

### MISCARRIAGE AND ABORTION

Prevalence of women ever had miscarriage : **15.9%**

Prevalence of women ever had abortion : **1.0%**

### INTIMATE PARTNER VIOLENCE

Prevalence of past year intimate partner violence : **4.4%**

Prevalence of Lifetime IPV by types of violence:

- Sexual violence : **1.6%**
- Physical violence : **3.6%**
- Psychological violence : **5.9%**

Prevalence of Past Year IPV by types of violence:

- Sexual violence : **0.8%**
- Physical violence : **1.6%**
- Psychological violence : **3.5%**

Prevalence of controlling behaviour by partner : **24.5%**

**TINJAUAN KEBANGSAAN KESIHATAN DAN MORBIDITI NATIONAL HEALTH AND MORBIDITY SURVEY (NHMS) KESIHATAN IBU DAN ANAK MATERNAL AND CHILD HEALTH (MCH)**

Tinjauan ini dikendalikan oleh Institut Kesihatan Umum (IKU), Maklumat daripada tinjauan ini akan membantu Kementerian Kesihatan Malaysia merancang perkhidmatan kesihatan yang lebih berkesan.

Kami mengharapkan kerjasama anda untuk menjalankan tinjauan ini dan bantu kami tinggikan lagi taraf kesihatan rakyat Malaysia

**Kerjasama anda amat dihargai**  
Your cooperation is highly appreciated

**Mari bersama-sama meningkatkan taraf kesihatan rakyat Malaysia**  
Let's improve Malaysian health status together

**NHMS MCH**

Siapa yang menjalankan tinjauan ini dan apakah tujuannya?  
Institut Kesihatan Umum (IKU), or the Institute for Public Health, is conducting this survey. The information collected will help the Ministry of Health Malaysia in providing more effective health services for the future.

We rely on the goodwill and cooperation of people like you to make the study a success. Please take part and help us to make a difference to the health of the people in Malaysia.

Terima kasih.  
Who is carrying out the survey and why?

**APA YANG AKAN DILAKUKAN? WHAT WE DO?**

**SIAPAKAH YANG TERLIBAT? WHO IS INVOLVE?**

14,000 isi rumah terpilih secara rawak seluruh Malaysia  
14,000 Randomly selected household nationwide

Wanita dalam lingkungan umur Reproduksi (15-49 Tahun)  
Women in reproductive age (15-49 years)

Ibu yang Mempunyai Anak Terakhir Di Bawah Umur 2 Tahun  
Women with Last child under age 2

Kanak-Kanak Bawah 5 Tahun  
Children under age 5

**Sesi temuramah Interview session**

- Penjagaan antenatal/ antenatal care
- Penyakit semasa mengandung/ pregnancy comorbidity
- Penjagaan pra-kelahiran/ pre-pregnancy care
- Penjagaan semasa kelahiran/ intrapartum care
- Penjagaan selepas bersalin/ postpartum care
- Kontrasepsi/ contraception
- Keguguran/ pengugutan/ miscarriage/ abortion
- Keganasan pasangan intim/ intimate partner violence
- Pemakanan bayi dan kanak-kanak kecil/ infant and young child feeding practice
- Kesihatan peragian kanak-kanak/ oral health among children
- Morbiditi kanak-kanak/ child morbidities
- Disiplin kanak-kanak/ child discipline
- Keraguan vaksin/ vaccine hesitancy

**Pemeriksaan kanak-kanak bawah 5 tahun Examination for children under age 5**

- Pengukuran berat badan & tinggi/ height and weight measurements
- Rekod imunisasi/ immunization record

**ISI RUMAH ANDA TERPILIH? YOUR HOUSEHOLD HAS BEEN CHOSEN?**

Pasukan penemuramah terlatih dari IKU akan melawat rumah anda antara bulan Ogos-Oktober 2022. Untuk maklumat lanjut sila layari laman web berikut:

A team of trained interviewers from IKU will visit at your address sometime in August-October 2022. Meanwhile, you can learn more about the survey at our website:

<http://iku.gov.my/nhms>