

# Malaysia - Health Access and Utilization Survey 2022

**UNHCR**

Report generated on: July 3, 2023

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## Identification

### SURVEY ID NUMBER

UNHCR\_MYS\_2022\_haus\_anon\_data\_v2.1

### TITLE

Health Access and Utilization Survey 2022

### COUNTRY

| Name     | Country code |
|----------|--------------|
| Malaysia | MYS          |

### STUDY TYPE

Demographic and Health Survey [hh/dhs]

### ABSTRACT

Health access and utilization survey (HAUS) is a cross-sectional, household telephone survey designed by the Public Health Section as a tool to determine refugees' access to, utilization of, and coverage of key health services across different levels of health facilities as well as to identify critical factors and challenges faced by refugees that may affect health access in a timely manner. UNHCR Malaysia conducted the survey in December 2022 with the help of 23 enumerators and successfully collected data from 718 households comprising of 1,760 individuals. Informed consent was obtained prior to the start of the interview.

the average age of the respondents was 34 years (SD = 9 years). Majority of the households were male-headed (87%), married (55%), currently in some form of employment (83%) and originated from Myanmar (74%). Among the head of households, knowledge of available health services were lacking with a third of them (30.8%) unaware of subsidized care at government health facilities for UNHCR document holders while more than half of them were unaware of the availability of hospitalization assistance as provided by IMARET. Nevertheless, most households were able to access health care when needed (93%) although affordability remained a major barrier. The average amount paid by households for primary health services was MYR164 while hospitalization care could cost as much as MYR5,197 on average. In terms of childhood vaccination, 78% children under 5 were able to receive measles or MMR vaccination mainly from government health facilities. However, it is worth noting that the finding did not indicate whether the children had completed the required doses for MMR. Access to reproductive health services remain challenging with slightly more than half of pregnant women faced difficulties accessing antenatal care due to financial barrier. The average cost of delivery care paid by the respondents was MYR3,600. In terms of family planning, only 45.1% received family planning counselling or services post-delivery. Non-communicable diseases were emerging as another health concern affecting as many as 10% of the total households. The top three most common NCD were hypertension, diabetes mellitus and musculo-skeletal diseases. As a result of inclusive national COVID-19 vaccination programme, refugees benefitted from the initiative with as high as 92.6% completed the required doses and 74.6% received booster dose. In summary, findings from this survey indicated for the need to strengthen health awareness and information dissemination among refugees while sustainable health financing will help to ease the financial barrier faced by most refugees in need of health services. Advocacy for inclusion in the national health programming in key areas namely communicable and non-communicable diseases, childhood immunization, safe motherhood and family planning will help to promote better health outcomes for refugees.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Households and individual

## Version

### VERSION DESCRIPTION

v2.1: Edited, cleaned and anonymised data

### VERSION DATE

2023-06-15

## Scope

### NOTES

The questionnaire was divided into 12 different sections focusing on different key areas which include demographic information, child immunization, reproductive health practices, chronic diseases, mental illness and disability, access to health care in the past month, hospitalization access, health care expenditure, COVID-19 vaccination, knowledge of available health services, food security, access to health insurance and health communication

### TOPICS

| Topic                          |
|--------------------------------|
| Health and Nutrition           |
| Health                         |
| Education                      |
| Environment                    |
| Livelihood and Social cohesion |
| Gender Based Violence          |
| Health Care Referral Services  |

## Coverage

### GEOGRAPHIC COVERAGE

National

### UNIVERSE

Registered Refugees in Malaysia 2022

## Producers and sponsors

### PRIMARY INVESTIGATORS

| Name  |
|-------|
| UNHCR |

## Sampling

### SAMPLING PROCEDURE

The sample is for 718 Households randomly sampled. There is consideration of the Country of Origin, age and gender in the selection of the sample.

## Data Collection

### DATES OF DATA COLLECTION

| Start      | End        |
|------------|------------|
| 2022-12-19 | 2023-01-08 |

### DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

DATA COLLECTORS

## Access policy

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CONTACTS

| Name          | Affiliation | Email               |
|---------------|-------------|---------------------|
| Curation team | UNHCR       | microdata@unhcr.org |

CITATION REQUIREMENTS

UNHCR (2023). Malaysia: Health Access and Utilization Survey 2022. Accessed from: <https://microdata.unhcr.org>

## Metadata production

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DDI DOCUMENT ID

UNHCR\_MYS\_2022\_haus\_anon\_data\_v2.1

PRODUCERS

| Name  |
|-------|
| UNHCR |

DATE OF METADATA PRODUCTION

2023-06-21

**Data Dictionary**

| <b>Data file</b>   | <b>Cases</b> | <b>Variables</b> |
|--|--------------|------------------|
| <b>Household data</b><br>Anonymized Household data         | 718          | 122              |
| <b>Individual data</b><br>Anonymized Household member data | 1728         | 194              |



**Data file: Household data**

Anonymized Household data

Cases: 718

Variables: 122

**Variables**

| ID          | Name                     | Label   | Question |
|-------------|--------------------------|---|----------|
| hh_data_V1  | pseudo_parent_id         |   |          |
| hh_data_V2  | surveycountry            |   |          |
| hh_data_V3  | currency                 |   |          |
| hh_data_V4  | today                    |   |          |
| hh_data_V5  | headh                    | Are you the head of household?  |          |
| hh_data_V6  | headh_gender             | What is the gender of the head of household?  |          |
| hh_data_V7  | headh_age                | How old is the head of household (years)?   |          |
| hh_data_V8  | headh_lang_arabic        | Which language(s) does the head of household speak? (list all languages) Arabic Arabic  |          |
| hh_data_V9  | headh_lang_english       | Which language(s) does the head of household speak? (list all languages) English English  |          |
| hh_data_V10 | headh_lang_somali        | Which language(s) does the head of household speak? (list all languages) Somali Somali  |          |
| hh_data_V11 | headh_lang_oth           | Which language(s) does the head of household speak? (list all languages) Other, specify Other, specify                          |          |
| hh_data_V12 | headh_lang_myan_burmese  | Which language(s) does the head of household speak? (list all languages) Burmese Burmese  |          |
| hh_data_V13 | headh_lang_myan_rohingya | Which language(s) does the head of household speak? (list all languages) Rohingya Rohingya                                      |          |
| hh_data_V14 | headh_lang_myan_oths     | Which language(s) does the head of household speak? (list all languages) Myanmar Others Myanmar Others                          |          |
| hh_data_V15 | headh_lang_malay         | Which language(s) does the head of household speak? (list all languages) Malay Malay  |          |
| hh_data_V16 | headh_lang_tamil         | Which language(s) does the head of household speak? (list all languages) Tamil Tamil  |          |
| hh_data_V17 | headh_lang_urdu          | Which language(s) does the head of household speak? (list all languages) Urdu Urdu  |          |
| hh_data_V18 | headh_lang_dari          | Which language(s) does the head of household speak? (list all languages) Dari Dari  |          |
| hh_data_V19 | headh_marital_status     | Marital status of the head of household?  |          |
| hh_data_V20 | headh_read_cty_host      | Can the head of household read in the language of the country he/she is currently in? In Malaysia, it will be Malay or English. |          |
| hh_data_V21 | headh_write_cty_host     | Can the head of household write in the language of the country you are currently in? In Malaysia, it will be Malay or English.  |          |
| hh_data_V22 | headh_edu                | What is the level of formal education the head of household has?  |          |
| hh_data_V23 | headh_work               | Does the head of the household work?  |          |
| hh_data_V24 | headh_work_yes           | If yes, what type of work does the head of the household do?  |          |
| hh_data_V25 | admin1                   | In which State do you live?   |          |
| hh_data_V26 | arrive_date              | When did the first person in your household arrive in the country?  |          |

| ID          | Name                          | Label   | Question |
|-------------|-------------------------------|---|----------|
| hh_data_V27 | hh_members                    | Including yourself, how many people live in your household?   |          |
| hh_data_V28 | hosp_yes_calc                 |   |          |
| hh_data_V29 | health_prov_ngo_fac           | When anyone in your household is sick, where do they go to seek care? NGO health clinic e.g. Tzu Chi, MSF, QFFD clinic, Klinik Kecheerian or others |          |
| hh_data_V30 | health_prov_unhcr_partner     |   |          |
| hh_data_V31 | health_prov_public_hospital   | When anyone in your household is sick, where do they go to seek care? Public Clinics / Hospitals  |          |
| hh_data_V32 | health_prov_private_hospital  | When anyone in your household is sick, where do they go to seek care? Private Clinics / Hospitals   |          |
| hh_data_V33 | health_prov_pharmacy          | When anyone in your household is sick, where do they go to seek care? Pharmacy  |          |
| hh_data_V34 | health_prov_oth               | When anyone in your household is sick, where do they go to seek care? Other, specify  |          |
| hh_data_V35 | health_prov_dk                | When anyone in your household is sick, where do they go to seek care? Don't know / did not answer   |          |
| hh_data_V36 | health_prov_traditional       | When anyone in your household is sick, where do they go to seek care? Traditional healer / Burmese shop   |          |
| hh_data_V37 | health_spend                  | How much did your household spend on health care services last month? Please use Malaysian Ringgit.   |          |
| hh_data_V38 | hc_cost_paymenthow_wage       | How did the household manage to pay for the health-related expenditure? Wage / salary   |          |
| hh_data_V39 | hc_cost_paymenthow_savings    | How did the household manage to pay for the health-related expenditure? Savings   |          |
| hh_data_V40 | hc_cost_paymenthow_loan       | How did the household manage to pay for the health-related expenditure? Loan/borrow from relative(s) or friend(s)                                   |          |
| hh_data_V41 | hc_cost_paymenthow_part       |   |          |
| hh_data_V42 | hc_cost_paymenthow_oth        | How did the household manage to pay for the health-related expenditure? Other, specify  |          |
| hh_data_V43 | covidvacheard                 | Have you heard about COVID-19 vaccine?  |          |
| hh_data_V44 | covidvacheardhow_unhcr        | How did you hear about COVID-19 vaccine? UNHCR communication / information  |          |
| hh_data_V45 | covidvacheardhow_ngo          | How did you hear about COVID-19 vaccine? NGO communication / information  |          |
| hh_data_V46 | covidvacheardhow_government   | How did you hear about COVID-19 vaccine? Government communication / information   |          |
| hh_data_V47 | covidvacheardhow_social_media | How did you hear about COVID-19 vaccine? Social media   |          |
| hh_data_V48 | covidvacheardhow_newspapers   | How did you hear about COVID-19 vaccine? Newspapers   |          |
| hh_data_V49 | covidvacheardhow_tv           | How did you hear about COVID-19 vaccine? TV   |          |
| hh_data_V50 | covidvacheardhow_radio        | How did you hear about COVID-19 vaccine? Radio  |          |
| hh_data_V51 | covidvacheardhow_chw          | How did you hear about COVID-19 vaccine? Community health workers   |          |
| hh_data_V52 | covidvacheardhow_oth          | How did you hear about COVID-19 vaccine? Other, please specify  |          |
| hh_data_V53 | covidvaccgot                  | Have you ever received any vaccinations against COVID-19?   |          |
| hh_data_V54 | covid_vaccdose                | How many doses does the vaccine you received requires?  |          |
| hh_data_V55 | coviddosenunder               | How many doses of the COVID-19 vaccine have you received so far?  |          |
| hh_data_V56 | covidbooster                  | Have you received booster dose against COVID-19?  |          |
| hh_data_V57 | cvaccnowwhy_vaccine_unavail   | Why you did not receive a COVID-19 vaccine? Vaccine unavailable at the clinic / hospital  |          |

| ID          | Name                       | Label   | Question |
|-------------|----------------------------|---|----------|
| hh_data_V58 | cvaccnowhy_refused         | Why you did not receive a COVID-19 vaccine? Service provider refused to provide me with service   |          |
| hh_data_V59 | cvaccnowhy_too_far         | Why you did not receive a COVID-19 vaccine? Too far / transportation issue  |          |
| hh_data_V60 | cvaccnowhy_dk_where        | Why you did not receive a COVID-19 vaccine? Didn't know where to go   |          |
| hh_data_V61 | cvaccnowhy_no_time         | Why you did not receive a COVID-19 vaccine? No time as I had to work / care for children  |          |
| hh_data_V62 | cvaccnowhy_staff_rude      | Why you did not receive a COVID-19 vaccine? Staff was rude  |          |
| hh_data_V63 | cvaccnowhy_too_expensive   | Why you did not receive a COVID-19 vaccine? Couldn't afford service fees  |          |
| hh_data_V64 | cvaccnowhy_do_not_trust    | Why you did not receive a COVID-19 vaccine? Do not trust vaccine  |          |
| hh_data_V65 | cvaccnowhy_no_info         | Why you did not receive a COVID-19 vaccine? No information about immunization   |          |
| hh_data_V66 | cvaccnowhy_lang_barrier    | Why you did not receive a COVID-19 vaccine? Language barrier / couldn't communicate with staff  |          |
| hh_data_V67 | cvaccnowhy_advice_against  | Why you did not receive a COVID-19 vaccine? Family member or friend advised against it  |          |
| hh_data_V68 | cvaccnowhy_no_valid_id     | Why you did not receive a COVID-19 vaccine? Don't have valid ID documents   |          |
| hh_data_V69 | cvaccnowhy_fear_share_info | Why you did not receive a COVID-19 vaccine? Fear of sharing personal information  |          |
| hh_data_V70 | cvaccnowhy_has_appointment | Why you did not receive a COVID-19 vaccine? Have an appointment in the future   |          |
| hh_data_V71 | cvaccnowhy_had_covid       | Why you did not receive a COVID-19 vaccine? Have already had COVID-19   |          |
| hh_data_V72 | cvaccnowhy_oth             | Why you did not receive a COVID-19 vaccine? Other, please specify   |          |
| hh_data_V73 | covidvaccwhere             | Where did you go to receive your first COVID-19 vaccine?  |          |
| hh_data_V74 | covidvaccworry             | Do you personally have any concerns or worries about your or any of your household members receiving a COVID-19 vaccine?  |          |
| hh_data_V75 | covidvaccworrywhich        | What is your main concern about the COVID-19 vaccine?   |          |
| hh_data_V76 | knowaccess                 | Do you know that all UNHCR registered refugees who hold a UNHCR document have subsidized access (50% discount) for primary health, inpatient and delivery care at government health facilities? |          |
| hh_data_V77 | knowaccess_help            | Are you aware that refugees who have difficulties accessing emergency health services at government hospitals can be assisted through IMARET hotline?   |          |
| hh_data_V78 | knowaccess_ngo             | Do you know that all refugees can access health care at NGO health clinics such as Tzu Chi, MSF, QFFD and others for free or at a minimal fee?  |          |
| hh_data_V79 | knowaccess_qualitas        | Do you know that all refugees can access subsidized care at Qualitas Health private clinic chain?   |          |
| hh_data_V80 | knowaccess_care            | Do you know that all refugees can access subsidized care at Care private clinic chain?  |          |
| hh_data_V81 | denied_hlth_services       | Were you, or any member of your family, denied any health services due to expired UNHCR documents?  |          |
| hh_data_V82 | denied_hlth_serviceswho    | If yes, who denied you access to health services?   |          |
| hh_data_V83 | surv_available             | If someone in your community experiences gender-based violence and approaches you for help, would you be able to inform this survivor about health services available in your area?             |          |

| ID           | Name                       | Label  | Question |
|--------------|----------------------------|--|----------|
| hh_data_V84  | surv_pss                   | If someone in your community experiences gender-based violence and approaches you for help, would you be able to inform this survivor about psychosocial support services available in your area?  |          |
| hh_data_V85  | surv_safety_security       | If someone in your community experiences gender-based violence and approaches you for help, would you be able to inform this survivor about safety and security services (ie. police, safe shelters where survivors can be hosted) available in your area? |          |
| hh_data_V86  | dom_violence_goingout      | Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, which of these reasons justifies a husband to hit or beat his wife? Going out without telling him   |          |
| hh_data_V87  | dom_violence_neglect       | Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, which of these reasons justifies a husband to hit or beat his wife? Neglecting the children   |          |
| hh_data_V88  | dom_violence_arguing       | Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, which of these reasons justifies a husband to hit or beat his wife? Arguing with him  |          |
| hh_data_V89  | dom_violence_refuse_sex    | Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, which of these reasons justifies a husband to hit or beat his wife? Refusing to have sexual intercourse with him  |          |
| hh_data_V90  | dom_violence_noneabove     | Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, which of these reasons justifies a husband to hit or beat his wife? None of the above   |          |
| hh_data_V91  | lessexp                    | In the past 7 days, how many days did your household rely on less preferred and/or less expensive food due to lack of food or money to buy food?   |          |
| hh_data_V92  | brw                        | In the past 7 days, how many days did your household borrow food or rely on help from a friend or relative due to lack of food or money to buy food?   |          |
| hh_data_V93  | lessmeal                   | In the past 7 days, how many days did your household reduce the number of meals eaten in a day due to lack of food or money to buy food?   |          |
| hh_data_V94  | redmeal                    | In the past 7 days, how many days did your household limit portion sizes at mealtime due to lack of food or money to buy food?   |          |
| hh_data_V95  | redadult                   | In the past 7 days, how many days did your household reduce consumption by adults so children could eat, due to lack of food or money to buy food?   |          |
| hh_data_V96  | rcsi                       |  |          |
| hh_data_V97  | healthplan                 | Do you know what medical insurance is?   |          |
| hh_data_V98  | remedi                     | If UNHCR re-introduce REMEDI, would you enrol?   |          |
| hh_data_V99  | remedi_yes_need_it         | What is/are the factor(s) that will encourage you to enrol? I need REMEDI to protect myself and my family from medical emergency   |          |
| hh_data_V100 | remedi_yes_aff_premium     | What is/are the factor(s) that will encourage you to enrol? Affordable premium   |          |
| hh_data_V101 | remedi_yes_easy_enrol      | What is/are the factor(s) that will encourage you to enrol? Easy to enrol (many agents/places for me to enrol myself)  |          |
| hh_data_V102 | remedi_yes_coverage        | What is/are the factor(s) that will encourage you to enrol? Adequate coverage for hospitalization  |          |
| hh_data_V103 | remedi_yes_no_underwriting | What is/are the factor(s) that will encourage you to enrol? I or my family member can enrol even with underlying medical condition   |          |
| hh_data_V104 | remedi_yes_specify         | Other reason, please specify:  |          |
| hh_data_V105 | remedi_no_money            | If no, why? Could not afford the premium   |          |

| ID           | Name                        | Label   | Question |
|--------------|-----------------------------|---|----------|
| hh_data_V106 | remedi_no_dont_understand   | If no, why? Do not understand what medical insurance is   |          |
| hh_data_V107 | remedi_no_need              | If no, why? Do not think I need a medical insurance   |          |
| hh_data_V108 | remedi_no_specify           | Other reason, please specify:   |          |
| hh_data_V109 | remedi_premium              | What is the range of annual premium that you are willing to pay to be enrolled? (for up to a family of five members)                              |          |
| hh_data_V110 | remedi_coverage             | What is the coverage that you think is adequate for you and your family?  |          |
| hh_data_V111 | cook_item                   | What do you use to cook your food?  |          |
| hh_data_V112 | fuel_type                   | What fuel are you using for cooking?  |          |
| hh_data_V113 | hlth_comm_internet          | Which would be the best alternative for you to receive health information? Internet (UNHCR Refugee Malaysia website, Facebook)                    |          |
| hh_data_V114 | hlth_comm_sms               | Which would be the best alternative for you to receive health information? Text messages (SMS)  |          |
| hh_data_V115 | hlth_comm_whatsapp          | Which would be the best alternative for you to receive health information? WhatsApp   |          |
| hh_data_V116 | hlth_comm_posters_brochures | Which would be the best alternative for you to receive health information? Posters, brochures, leaflets   |          |
| hh_data_V117 | hlth_comm_newsletters       | Which would be the best alternative for you to receive health information? Newsletters  |          |
| hh_data_V118 | hlth_comm_chw               | Which would be the best alternative for you to receive health information? Community health workers   |          |
| hh_data_V119 | hlth_comm_oth               | Which would be the best alternative for you to receive health information? Other, please specify  |          |
| hh_data_V120 | hlth_comm_telegram          | Which would be the best alternative for you to receive health information? Telegram group   |          |
| hh_data_V121 | hlth_comm_cl                | Which would be the best alternative for you to receive health information? Community leaders or representatives from community-based organization |          |
| hh_data_V122 | weight                      | Design Weight   |          |

Total: 122

**Data file: Individual data**

Anonymized Household member data

Cases: 1728

Variables: 194

**Variables**

| ID            | Name                         | Label  | Question |
|---------------|------------------------------|--|----------|
| indv_data_V1  | pseudo_parent_id             |  |          |
| indv_data_V2  | pseudo_id                    |  |          |
| indv_data_V3  | sexmem                       | What is \${namemem}'s gender?  |          |
| indv_data_V4  | agemem                       | How old is \${namemem}?  |          |
| indv_data_V5  | maritalmem                   | What is the marital status of \${namemem}?   |          |
| indv_data_V6  | imm_schedule                 | Do you have information on the immunization schedule for \${namemem}?  |          |
| indv_data_V7  | cardvac                      | Does \${namemem} have an immunization card/booklet?  |          |
| indv_data_V8  | mevac                        | Has \${namemem} ever received a measles or MMR injection?  |          |
| indv_data_V9  | mevac_no_not_available       | Why \${namemem} didn't receive a measles or MMR injection? Service is not available  |          |
| indv_data_V10 | mevac_no_refused_no_unhcr_id | Why \${namemem} didn't receive a measles or MMR injection? Service provider refused to provide me with the service because my child has no valid document e.g. UNHCR ID or birth certificate |          |
| indv_data_V11 | mevac_no_cannot_afford_fee   | Why \${namemem} didn't receive a measles or MMR injection? Couldn't afford service fees  |          |
| indv_data_V12 | mevac_no_staff_rude          | Why \${namemem} didn't receive a measles or MMR injection? Staff was rude  |          |
| indv_data_V13 | mevac_no_cannot_comm         | Why \${namemem} didn't receive a measles or MMR injection? Language barrier/ couldn't communicate with staff.  |          |
| indv_data_V14 | mevac_no_dk_where_go         | Why \${namemem} didn't receive a measles or MMR injection? Didn't know where to go   |          |
| indv_data_V15 | mevac_no_too_far             | Why \${namemem} didn't receive a measles or MMR injection? Too far/ transportation issue   |          |
| indv_data_V16 | mevac_no_time_had_work       | Why \${namemem} didn't receive a measles or MMR injection? No time to bring child as I had to work/ care for children  |          |
| indv_data_V17 | mevac_no_info_imm_sche       | Why \${namemem} didn't receive a measles or MMR injection? No information about immunization schedule.   |          |
| indv_data_V18 | mevac_no_trust_vaccine       | Why \${namemem} didn't receive a measles or MMR injection? Do not trust vaccine  |          |
| indv_data_V19 | mevac_no_oth                 | Why \${namemem} didn't receive a measles or MMR injection? Other, specify  |          |
| indv_data_V20 | mevac_where                  | Where did \${namemem} receive the measles vaccine?   |          |
| indv_data_V21 | mevac_yes_diff               | Did \${namemem} face difficulties obtaining the measles vaccine?   |          |
| indv_data_V22 | mevac_yes_diff_long_wait     | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Long waiting periods   |          |
| indv_data_V23 | mevac_yes_diff_staff_rude    | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Staff were rude  |          |

| ID            | Name                         | Label   | Question |
|---------------|------------------------------|---|----------|
| indv_data_V24 | mevac_yes_diff_afford_fee    | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Could not afford user fees (wasn't free)                |          |
| indv_data_V25 | mevac_yes_diff_afford_transp | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Cannot afford transport                                 |          |
| indv_data_V26 | mevac_yes_diff_dk_where      | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Did not know where to go for vaccines                   |          |
| indv_data_V27 | mevac_yes_diff_cant_comm     | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Could not communicate with the health service providers |          |
| indv_data_V28 | mevac_yes_diff_no_covid      | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Service not working because of COVID-19                 |          |
| indv_data_V29 | mevac_yes_diff_oth           | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Other, specify  |          |
| indv_data_V30 | mevac_yes_diff_dk            | If yes, which difficulties did you encounter obtaining the measles vaccine for \${namemem}? Don't know / did not answer                             |          |
| indv_data_V31 | yestbf                       | Was the \${namemem} breastfed yesterday during the day or at night?   |          |
| indv_data_V32 | bottle                       | Did \${namemem} drink anything from a bottle with a nipple yesterday during the day or at night?  |          |
| indv_data_V33 | school_attended              | Has \${namemem} ever attended school or any early childhood education program?  |          |
| indv_data_V34 | school_highest_attended      | What is the highest level of school \${namemem} has attended?   |          |
| indv_data_V35 | school_highest_completed     | What is the highest class/grade \${namemem} completed at that level?  |          |
| indv_data_V36 | preg                         | Has \${namemem} been pregnant since arriving in the Country?  |          |
| indv_data_V37 | preg_2yrs                    | Is \${namemem} a mother of a child 2 years old or younger?  |          |
| indv_data_V38 | anc                          | Did \${namemem} receive any antenatal care at any time during the pregnancy?  |          |
| indv_data_V39 | freqanc                      | How many times did \${namemem} visit the clinic and receive antenatal care?   |          |
| indv_data_V40 | dfanc                        | Did \${namemem} have any difficulties while getting that care?  |          |
| indv_data_V41 | resdfcanc_dk_where           | If yes, what were those difficulties? Didn't know where to go   |          |
| indv_data_V42 | resdfcanc_long_wait          | If yes, what were those difficulties? Long wait   |          |
| indv_data_V43 | resdfcanc_staff_rude         | If yes, what were those difficulties? Staff was rude  |          |
| indv_data_V44 | resdfcanc_afford_fee         | If yes, what were those difficulties? Couldn't afford user fees (wasn't free)   |          |
| indv_data_V45 | resdfcanc_too_far            | If yes, what were those difficulties? Too far / Transport issues  |          |
| indv_data_V46 | resdfcanc_no_time_off        | If yes, what were those difficulties? Couldn't get time off work / Caring for other children  |          |
| indv_data_V47 | resdfcanc_due_covid          | If yes, what were those difficulties? Due to COVID-19, please specify   |          |
| indv_data_V48 | resdfcanc_unablelocal_la     | If yes, what were those difficulties? Unable to speak the local languages or to communicate with service providers                                  |          |
| indv_data_V49 | resdfcanc_oth                | If yes, what were those difficulties? Other, specify  |          |

| ID            | Name                            | Label  | Question |
|---------------|---------------------------------|--|----------|
| indv_data_V50 | resdfcanc_dk                    | If yes, what were those difficulties? Don't know / did not answer  |          |
| indv_data_V51 | resdfcanc_covid_not_allowed_mov | If difficulties related to COVID-19, please specify: (COVID-19) Restrictions meant couldn't leave home   |          |
| indv_data_V52 | resdfcanc_covid_clinic_closed   | If difficulties related to COVID-19, please specify: (COVID-19) Health facility not working  |          |
| indv_data_V53 | resdfcanc_covid_scared_infectio | If difficulties related to COVID-19, please specify: (COVID-19) Fear of going in case get infected   |          |
| indv_data_V54 | delvrldwhere                    | Where did the delivery of the child take place?  |          |
| indv_data_V55 | delvrldhomewhy_no_money         | If delivered at home with/without skilled birth attendant, what was the reason? No money to seek delivery care at any health facilities                              |          |
| indv_data_V56 | delvrldhomewhy_no_id            | If delivered at home with/without skilled birth attendant, what was the reason? Afraid to go to any health facilities because of the lack of valid identity document |          |
| indv_data_V57 | delvrldhomewhy_not_allowed_move | If delivered at home with/without skilled birth attendant, what was the reason? COVID-19 Restrictions (MCO) meant couldn't leave home                                |          |
| indv_data_V58 | delvrldhomewhy_clinic_closed    | If delivered at home with/without skilled birth attendant, what was the reason? Health facility not accessible because of COVID-19 measures                          |          |
| indv_data_V59 | delvrldhomewhy_scared_infection | If delivered at home with/without skilled birth attendant, what was the reason? Fear of going in case of getting infected with COVID-19                              |          |
| indv_data_V60 | delvrldhomewhy_oth              | If delivered at home with/without skilled birth attendant, what was the reason? Other, specify   |          |
| indv_data_V61 | delvrldhow                      | What was the type of delivery?   |          |
| indv_data_V62 | delvrldpay                      | Did \${namemem} have to pay for the delivery?  |          |
| indv_data_V63 | delvrldcost                     | Approximately how much did \${namemem} pay for the delivery in Malaysian Ringgit?  |          |
| indv_data_V64 | delvrldprivatewhy               | If the delivery took place at a private clinic or hospital what were the reasons for choosing that facility?   |          |
| indv_data_V65 | delvrldhospitalized             | Did the new-born baby need to be admitted or kept in hospital for special care?  |          |
| indv_data_V66 | hospitalizeddelvrldcost         | Approximately how much did \${namemem} pay for the baby's hospital stay?   |          |
| indv_data_V67 | breastfed                       | Was the child breastfed within 1 hour of birth?  |          |
| indv_data_V68 | birthcert                       | Was the child issued with a birth certificate?   |          |
| indv_data_V69 | birthcertnowhy_hospital_refused | If the child was not issued with a birth certificate, what were the reasons? Hospital refused to provide birth registration form                                     |          |
| indv_data_V70 | birthcertnowhy_no_access_auth   |  |          |
| indv_data_V71 | birthcertnowhy_not_delivered_in | If the child was not issued with a birth certificate, what were the reasons? Did not deliver in health facility  |          |
| indv_data_V72 | birthcertnowhy_dont_know_how    | If the child was not issued with a birth certificate, what were the reasons? Did not know how to register birth in Malaysia  |          |
| indv_data_V73 | birthcertnowhy_oth              | If the child was not issued with a birth certificate, what were the reasons? Other, specify  |          |
| indv_data_V74 | birthcertnowhy_dont_remember    | If the child was not issued with a birth certificate, what were the reasons? Don't remember  |          |
| indv_data_V75 | birthcertnowhy_dk               | If the child was not issued with a birth certificate, what were the reasons? Don't know / did not answer   |          |

| ID            | Name                           | Label   | Question |
|---------------|--------------------------------|---|----------|
| indv_data_V76 | postdlvrddadvise               | Was \${namemem} provided with contraceptive (family planning) options / advice following delivery?  |          |
| indv_data_V77 | postdlvrddcare                 | Did \${namemem} and the new-born receive any postpartum/postnatal care after delivery? By postpartum/postnatal care, I mean did anyone ask questions about \${namemem} and the new-born health or examine \${namemem} and the new-born? |          |
| indv_data_V78 | postdlvrddcarewhere            | Where did the first postpartum/postnatal visit take place?  |          |
| indv_data_V79 | postdlvrddcarefreq             | In the 6 weeks after the delivery, how many times did \${namemem} and the baby visit the clinic and receive postpartum/postnatal care?  |          |
| indv_data_V80 | chron                          | Does \${namemem} have a chronic disease?  |          |
| indv_data_V81 | typechron_asthma               | Does \${namemem} have any of the following conditions? Asthma   |          |
| indv_data_V82 | typechron_cancer               | Does \${namemem} have any of the following conditions? Cancer   |          |
| indv_data_V83 | typechron_dm                   | Does \${namemem} have any of the following conditions? Diabetes   |          |
| indv_data_V84 | typechron_epilepsy             | Does \${namemem} have any of the following conditions? Epilepsy   |          |
| indv_data_V85 | typechron_liver_disease        | Does \${namemem} have any of the following conditions? Liver disease  |          |
| indv_data_V86 | typechron_ihd                  | Does \${namemem} have any of the following conditions? Heart disease  |          |
| indv_data_V87 | typechron_htn                  | Does \${namemem} have any of the following conditions? Hypertension   |          |
| indv_data_V88 | typechron_kidney_disease       | Does \${namemem} have any of the following conditions? Kidney disease   |          |
| indv_data_V89 | typechron_mental               | Does \${namemem} have any of the following conditions? Mental illness   |          |
| indv_data_V90 | typechron_musculoskel_disor    | Does \${namemem} have any of the following conditions? Musculo-skeletal (e.g. deformity, walking difficulty)  |          |
| indv_data_V91 | typechron_neurological_disease | Does \${namemem} have any of the following conditions? Neurological disease   |          |
| indv_data_V92 | typechron_oth                  | Does \${namemem} have any of the following conditions? Other, specify   |          |
| indv_data_V93 | typechron_dk                   | Does \${namemem} have any of the following conditions? Don't know / did not answer  |          |
| indv_data_V94 | dfcchron                       | Has \${namemem} been able to access medicine or other health services for her/his chronic condition in the last three months?   |          |
| indv_data_V95 | dfcchronwhy_long_wait          | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Long wait  |          |
| indv_data_V96 | dfcchronwhy_staff_rude         | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Staff were rude  |          |
| indv_data_V97 | dfcchronwhy_not_availablefa    | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Was not available in facility  |          |
| indv_data_V98 | dfcchronwhy_afford_fee         | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Couldn't afford user fees  |          |
| indv_data_V99 | dfcchronwhy_afford_transp      | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Can't afford transport   |          |

| ID             | Name                           | Label  | Question |
|----------------|--------------------------------|--|----------|
| indv_data_V100 | dfcchronwhy_dk_where           | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Don't know where to go  |          |
| indv_data_V101 | dfcchronwhy_unablelocal        | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Couldn't communicate in the same language as the service provider               |          |
| indv_data_V102 | dfcchronwhy_oth                | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Other, specify  |          |
| indv_data_V103 | dfcchronwhy_dk                 | If no, what were the reasons for \${namemem}'s inability to access medicine or other services? Don't know / did not answer   |          |
| indv_data_V104 | dfcchronyeswhere_public_fac    | If yes, where did \${namemem} receive medical care and medicines for her/his chronic conditions? Public facility (Government health clinic (KK) or hospital)                   |          |
| indv_data_V105 | dfcchronyeswhere_private_fac   | If yes, where did \${namemem} receive medical care and medicines for her/his chronic conditions? Private facility (private clinic or hospital)                                 |          |
| indv_data_V106 | dfcchronyeswhere_ngo_fac       | If yes, where did \${namemem} receive medical care and medicines for her/his chronic conditions? NGO health clinic e.g. Tzu Chi, MSF, QFFD clinic, Klinik Kecheerian or others |          |
| indv_data_V107 | dfcchronyeswhere_oth           | If yes, where did \${namemem} receive medical care and medicines for her/his chronic conditions? Other, specify  |          |
| indv_data_V108 | dfcchroncost                   | How much money does \${namemem} has to pay from her/his pocket for the monthly chronic medication?   |          |
| indv_data_V109 | impair                         | Does \${namemem} have an impairment?   |          |
| indv_data_V110 | typeimpair_physical_impairment | What kind of impairment does \${namemem} have? Physical impairment (fractures, burns, deformities ...)   |          |
| indv_data_V111 | typeimpair_mental_impairment   | What kind of impairment does \${namemem} have? Mental impairment (Specify: epilepsy, depression, PTSD, alcohol/substance abuse, psychosis, medically unexplained complaint)    |          |
| indv_data_V112 | typeimpair_intell_impairm      | What kind of impairment does \${namemem} have? Intellectual impairment (developmental delay, etc, relating to cognitive abilities)   |          |
| indv_data_V113 | typeimpair_sensory_impairment  | What kind of impairment does \${namemem} have? Sensory impairment (deaf, blind...)   |          |
| indv_data_V114 | typeimpair_speech_impairment   | What kind of impairment does \${namemem} have? Speech impairment   |          |
| indv_data_V115 | typeimpair_oth                 | What kind of impairment does \${namemem} have? Other, specify  |          |
| indv_data_V116 | typeimpair_dk                  | What kind of impairment does \${namemem} have? Don't know / did not answer   |          |
| indv_data_V117 | causeimpair                    | What was the cause of the impairment?  |          |
| indv_data_V118 | treatimpair                    | Where did \${namemem} receive her/his first treatment for the impairment?  |          |
| indv_data_V119 | surgicaltreatimpair            | Has \${namemem} received surgical treatment for her/his impairment?  |          |
| indv_data_V120 | psychotreatimpair              | Has \${namemem} received psychosocial support for her/his impairment?  |          |
| indv_data_V121 | rehabimpair                    | Has \${namemem} received rehabilitation for her/his impairment?  |          |
| indv_data_V122 | assistdeviceimpair             | Has \${namemem} received assistive devices (such as crutches, walking frame and wheelchair) for her/his impairment?  |          |

| ID             | Name                            | Label  | Question |
|----------------|---------------------------------|--|----------|
| indv_data_V123 | careforimpair_received_care     | What prevented \${namemem} from getting proper care for her/his impairment? Not applicable. Was able to get care needed                                    |          |
| indv_data_V124 | careforimpair_feltunn           | What prevented \${namemem} from getting proper care for her/his impairment? Felt it was unnecessary  |          |
| indv_data_V125 | careforimpair_afford_fee        | What prevented \${namemem} from getting proper care for her/his impairment? Couldn't afford user fees  |          |
| indv_data_V126 | careforimpair_too_far           | What prevented \${namemem} from getting proper care for her/his impairment? Too far / Transport issues   |          |
| indv_data_V127 | careforimpair_no_available      | What prevented \${namemem} from getting proper care for her/his impairment? No services available  |          |
| indv_data_V128 | careforimpair_dk_where          | What prevented \${namemem} from getting proper care for her/his impairment? Did not know where to go   |          |
| indv_data_V129 | careforimpair_security_issues   | What prevented \${namemem} from getting proper care for her/his impairment? Security issues  |          |
| indv_data_V130 | careforimpair_cant_comm         | What prevented \${namemem} from getting proper care for her/his impairment? Couldn't communicate in the same language as the service provider              |          |
| indv_data_V131 | careforimpair_oth               | What prevented \${namemem} from getting proper care for her/his impairment? Other, specify   |          |
| indv_data_V132 | careforimpair_dk                | What prevented \${namemem} from getting proper care for her/his impairment? Don't know / did not answer  |          |
| indv_data_V133 | healthcare_need                 | In the past month, has \${namemem} needed access to health care services at any point?   |          |
| indv_data_V134 | hc_need_where                   | Where was the first place \${namemem} went to seek health care?  |          |
| indv_data_V135 | hc_1st_place                    | Was \${namemem} able to get health care at the first place she/he sought care?   |          |
| indv_data_V136 | hc_1st_no_refused_health_cen    | What prevented him/her from getting care at the first place she/he sought care? Health centre refuse to provide services                                   |          |
| indv_data_V137 | hc_1st_no_afford_fee            | What prevented him/her from getting care at the first place she/he sought care? Couldn't afford user fees  |          |
| indv_data_V138 | hc_1st_no_too_far               | What prevented him/her from getting care at the first place she/he sought care? Too far / Transport issues   |          |
| indv_data_V139 | hc_1st_no_time_off              | What prevented him/her from getting care at the first place she/he sought care? Couldn't get time off work / Caring for other children                     |          |
| indv_data_V140 | hc_1st_no_dk_where              | What prevented him/her from getting care at the first place she/he sought care? Did not know where to go   |          |
| indv_data_V141 | hc_1st_no_dont_like_servicessta | What prevented him/her from getting care at the first place she/he sought care? Do not like the health services/staff                                      |          |
| indv_data_V142 | hc_1st_no_cant_comm_lang        | What prevented him/her from getting care at the first place she/he sought care? Couldn't communicate in the same language with the health service provider |          |
| indv_data_V143 | hc_1st_no_oth                   | What prevented him/her from getting care at the first place she/he sought care? Other, specify   |          |
| indv_data_V144 | hc_1st_no_dk                    | What prevented him/her from getting care at the first place she/he sought care? Don't know / did not answer  |          |
| indv_data_V145 | hc_1st_pay                      | Did \${namemem} have to pay out-of-pocket fees for the health care services given at the first place she/he sought care?                                   |          |
| indv_data_V146 | hc_1st_cost                     | How much did \${namemem} pay in Malaysian Ringgit?   |          |
| indv_data_V147 | hc_1st_satis                    | Overall, was \${namemem} satisfied with the healthcare services received from the first place she/he sought care?  |          |

| ID             | Name                            | Label  | Question |
|----------------|---------------------------------|--|----------|
| indv_data_V148 | hc_1st_satis_why_helpful_prov   | If \${namemem} was satisfied with the healthcare services, why? Health providers were helpful Health providers were helpful  |          |
| indv_data_V149 | hc_1st_satis_why_lang           | If \${namemem} was satisfied with the healthcare services, why? Interpreter was available to help me understand what the doctor said Interpreter was available to help me understand what the doctor said        |          |
| indv_data_V150 | hc_1st_satis_why_easy_navigate  | If \${namemem} was satisfied with the healthcare services, why? Easy to navigate around the health facility to receive the needed care Easy to navigate around the health facility to receive the needed care    |          |
| indv_data_V151 | hc_1st_satis_why_expected_wait  | If \${namemem} was satisfied with the healthcare services, why? Wait time as expected Wait time as expected  |          |
| indv_data_V152 | hc_1st_satis_why_oth            | If \${namemem} was satisfied with the healthcare services, why? Other, specify Other, specify  |          |
| indv_data_V153 | hc_1st_satis_whynot_rude        | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Staff were very rude to me Staff were very rude to me   |          |
| indv_data_V154 | hc_1st_satis_whynot_long_wait   | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Long waiting time Long waiting time   |          |
| indv_data_V155 | hc_1st_satis_whynot_felt_unwelc | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Felt unwelcomed by the providers Felt unwelcomed by the providers   |          |
| indv_data_V156 | hc_1st_satis_whynot_dr_lack     | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Doctor was not attentive to my problem/main complaints Doctor was not attentive to my problem/main complaints |          |
| indv_data_V157 | hc_1st_satis_whynot_expensive   | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Expensive Expensive   |          |
| indv_data_V158 | hc_1st_satis_whynot_oth         | If \${namemem} was not satisfied with the healthcare services, please specify the reasons why not? Other, specify Other, specify   |          |
| indv_data_V159 | hc_ref                          | Was \${namemem} referred somewhere else or did \${namemem} seek care elsewhere?  |          |
| indv_data_V160 | hc_ref_where                    | Where was \${namemem} referred to or went to seek care?  |          |
| indv_data_V161 | hc_ref_accepted                 | Was \${namemem} able to get health care services there?  |          |
| indv_data_V162 | hc_ref_naccept_why_feltunn      | What prevented \${namemem} from getting care? Felt it was unnecessary  |          |
| indv_data_V163 | hc_ref_naccept_why_afford_fee   | What prevented \${namemem} from getting care? Couldn't afford user fees (want free)  |          |
| indv_data_V164 | hc_ref_naccept_why_too_far      | What prevented \${namemem} from getting care? Too far / Transport issues   |          |
| indv_data_V165 | hc_ref_naccept_why_no_time_off  | What prevented \${namemem} from getting care? Couldn't get time off work / Caring for other children   |          |
| indv_data_V166 | hc_ref_naccept_why_dk_where     | What prevented \${namemem} from getting care? Didn't know where to go  |          |
| indv_data_V167 | hc_ref_naccept_why_dont_like_se | What prevented \${namemem} from getting care? Don't like the health services/staff   |          |
| indv_data_V168 | hc_ref_naccept_why_refused_h    | What prevented \${namemem} from getting care? Health centre refuse to provide services   |          |
| indv_data_V169 | hc_ref_naccept_why_cant_communi | What prevented \${namemem} from getting care? Couldn't communicate in the same language as the service provider  |          |

| ID             | Name                            | Label   | Question |
|----------------|---------------------------------|---|----------|
| indv_data_V170 | hc_ref_naccept_why_oth          | What prevented \${namemem} from getting care? Other, specify  |          |
| indv_data_V171 | hc_ref_naccept_why_dk           | What prevented \${namemem} from getting care? Don't know / did not answer   |          |
| indv_data_V172 | hc_ref_paid                     | Did \${namemem} have to pay for the referral services out-of-pocket?  |          |
| indv_data_V173 | hc_ref_cost                     | How much did \${namemem} pay for the referral services in Malaysian Ringgit?  |          |
| indv_data_V174 | hc_ref_satis                    | Overall, was \${namemem} satisfied with the healthcare services received at the referral / secondary facility?  |          |
| indv_data_V175 | hc_ref_satis_why_helpful_prov   | If \${namemem} was satisfied with the healthcare services, why? Health providers were helpful Health providers were helpful   |          |
| indv_data_V176 | hc_ref_satis_why_lang           | If \${namemem} was satisfied with the healthcare services, why? Interpreter was available to help me understand what the doctor said Interpreter was available to help me understand what the doctor said     |          |
| indv_data_V177 | hc_ref_satis_why_easy_navigate  | If \${namemem} was satisfied with the healthcare services, why? Easy to navigate around the health facility to receive the needed care Easy to navigate around the health facility to receive the needed care |          |
| indv_data_V178 | hc_ref_satis_why_expected_wait  | If \${namemem} was satisfied with the healthcare services, why? Wait time as expected Wait time as expected   |          |
| indv_data_V179 | hc_ref_satis_why_oth            | If \${namemem} was satisfied with the healthcare services, why? Other, specify Other, specify   |          |
| indv_data_V180 | hc_ref_satis_whynot_rude        | If \${namemem} was not satisfied with the healthcare services, why? Staff were very rude to me Staff were very rude to me   |          |
| indv_data_V181 | hc_ref_satis_whynot_long_wait   | If \${namemem} was not satisfied with the healthcare services, why? Long waiting time Long waiting time   |          |
| indv_data_V182 | hc_ref_satis_whynot_felt_unwelc | If \${namemem} was not satisfied with the healthcare services, why? Felt unwelcomed by the providers Felt unwelcomed by the providers   |          |
| indv_data_V183 | hc_ref_satis_whynot_dr_lack     | If \${namemem} was not satisfied with the healthcare services, why? Doctor was not attentive to my problem/main complaints Doctor was not attentive to my problem/main complaints                             |          |
| indv_data_V184 | hc_ref_satis_whynot_expensive   | If \${namemem} was not satisfied with the healthcare services, why? Expensive Expensive   |          |
| indv_data_V185 | hc_ref_satis_whynot_oth         | If \${namemem} was not satisfied with the healthcare services, why? Other, specify Other, specify   |          |
| indv_data_V186 | hostptlzd                       | Was \${namemem} hospitalized during the past year?  |          |
| indv_data_V187 | hostptlzdwhere                  | What type of hospital was \${namemem} admitted to?  |          |
| indv_data_V188 | hostptlzdtype                   | What was the type of the hospitalization?   |          |
| indv_data_V189 | hostptlzdref                    | How was \${namemem} admitted to the hospital?   |          |
| indv_data_V190 | hostptlzddays                   | How many days did \${namemem} stay in the hospital?   |          |
| indv_data_V191 | hostptlzdpaid                   | Did \${namemem} have to pay for the hospitalization?  |          |
| indv_data_V192 | hostptlzdpaidamount             | What was the amount of money that \${namemem} has to pay to the hospital in Malaysian Ringgit?  |          |
| indv_data_V193 | hosp_yes                        |   |          |
| indv_data_V194 | weight                          | Design Weight   |          |

Total: 194