AHRI's HDSS Deaths and Causes of Deaths from Verbal Autopsy (2000-2024) - Variable Documentation

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This document describes the variables of the two datasets (Deaths and Causes of Death and Detailed Verbal Autopsy input data) that result from the harmonization of 25 years of data collection over different questionnaires :

- **VAQ/CL1**: AHRI questionnaire (2000 to 2016)[1] - with or without the Checklist 1 (2000-2009)[1],[2]
- **VAQ and CL2**: AHRI questionnaire (2000 to 2016)[1] with Checklist 2 (2010 to 2016)[1]
- **VAP**: 2016 WHO questionnaire (2017-2021)[1]
- **VAW**: 2022 WHO questionnaire (2022-2024)[1]

This document describes for each variables, the quality of the harmonization: if those variables were available in the different questionnaire versions and to what extent the harmonization is exact or approximate. For the detailed verbal autopsy input data, the relevant age and sex groups for each variable (see below).

It is organized in two parts, one for each dataset.

[1] These dates are indicative, some years might overlap. For each death, the variable "Questionnaire" will inform you on exactly which questionnaire was used to document this particular death.

[2] Checklist 1 is entirely redundant with the main questionnaire except for one indicator in the detailed verbal autopsy data: i228o. For more detail on data collection during this period see the harmonization report in the resource files.

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1. Deaths and Causes of death

We document here the variable of the Deaths and Cause of death dataset. Only variables with discontinuities are mentioned here.

- The quality of the harmonization per questionnaire is described as follows :
  - **“y”**, when there is an exact correspondence with a variable and value from the original questionnaire,
  - **“~”**, when the original question only partially corresponds to the harmonized variable description (with a description of the corresponding variable used for harmonization),
  - **"-” no matching variable or variable value**, when this information is missing in the original questionnaire

Variable name	Variable description	Variable values	VAQ/CL1 (2000-2009)	VAQ and CL2 (2010-2016)	VAP (2017-2021)	VAW (2022-2024)
NonContact	Was it a non-contact?	yes/no	Not available until 2010	y	y	y
VARefused	Was participation refused ?	yes/no	Not available until 2010	y	y	y
RespoRelationship	What is the respondent's relationship to the deceased?	Spouse	y	y	-	-
		Child	y	y	-	-
		Son-in-law	y	y	-	-
		Daughter-in-law	y	y	-	-
		Grandchild	y	y	-	-
		Parent	y	y	-	-
		Father-in-law	y	y	-	-

Variable name	Variable description	Variable values	VAQ/CL1 (2000-2009)	VAQ and CL2 (2010-2016)	VAP (2017-2021)	VAW (2022-2024)
		Mother-in-law	y	y	-	-
		Grandparent	y	y	-	-
		Sibling	y	y	-	-
		Other relative	y	y	-	-
		Other non-relative	y	y	-	-
		Parent	-	-	y	y
		Child	-	-	y	y
		Family member (Household member)	-	-	y	y
		Rriend	-	-	y	y
		Health worker	-	-	y	y
		Public official	-	-	y	y
		Another relationship	-	-	y	y
		other	-	-	y	y
LivedWithDeceased	Did the respondent live with the deceased in the period leading to her/his death?	yes/no	~ Did you care for the deceased before death?/If no were you	~ Did you care for the deceased before death?/If no were you	y	y

Variable name	Variable description	Variable values	VAQ/CL1 (2000-2009)	VAQ and CL2 (2010-2016)	VAP (2017-2021)	VAW (2022-2024)
			present during the illness?	present during the illness?		
DeathSetting	Where did the deceased die?	Hospital	y	y	y	y
		Other Health facility	y	y	y	y
		Home	y	y	y	y
		On route to hospital or facility	-	-	y	y
		other	y	y	y	y

2. Detailed Verbal Autopsy Input Data

Here all variable of the harmonized verbal autopsy detailed dataset are documented regarding :

- **The quality of the harmonization per questionnaire**:
    - **1 - exact**, when there is an exact correspondence between the harmonized indicator and the original question,
    - **2 - approximate**, when the original question only partially corresponds to the information expected in the harmonized format,
    - **99 - no matching question**, when this information is missing in the original questionnaire

If the mapping is approximate, please refer to the mapping file of the relevant questionnaire for details on the approximation made.

- **The relevant sex and age group** for this indicator according to the input format required by InterVA5 and InSilicoVA algorithms "**y**", i.e. yes, if the variable applies for this sex or age group, "**-**" it does not apply
    - male or female
    - neonates: less than 1 months
    - infant: 1 to 11 months
    - under5: 1 to 4 years
    - child: 5 to 14 years
    - adult: 15 to 49 years
    - midage: 50 to 64 years
    - elder: 65 years and more

The Africa Center questionnaire (VAQ/CL1 and VAQ and CL2 - 2000-2016) had different age group filters than those of the harmonized format. This is why, for some indicators the quality of the mapping differs depending on the age group. It is all documented here.

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i004a	Did s(he) die during the wet season?	1	1	1	1	y	y	y	y	y	y	y	y	y
i004b	Did s(he) die during the dry season?	1	1	1	1	y	y	y	y	y	y	y	y	y
i019a	Was he male?	1	1	1	1	-	y	y	y	y	y	y	y	y
i019b	Was she female?	1	1	1	1	y	-	y	y	y	y	y	y	y
i022a	Was s(he) aged 65 years or more at death?	1	1	1	1	y	y	-	-	-	-	-	-	y
i022b	Was s(he) aged 50 to 64 years at death?	1	1	1	1	y	y	-	-	-	-	-	y	-
i022c	Was s(he) aged 15 to 49 years at death?	1	1	1	1	y	y	-	-	-	-	y	-	-
i022d	Was s(he) aged 5-14 years at death?	1	1	1	1	y	y	-	-	-	y	-	-	-
i022e	Was s(he) aged 1 to 4 years at death?	1	1	1	1	y	y	-	-	y	-	-	-	-
i022f	Was s(he) aged 1 to 11 months at death?	1	1	1	1	y	y	-	y	-	-	-	-	-
i022g	Was s(he) aged < 1 month (28 days) at death?	1	1	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i022h	Was s(he) a live baby who died within 24 hours of birth?	1	1	1	1	y	y	y	-	-	-	-	-	-
i022i	Was s(he) a baby who died between 24 and 48 hours of birth?	1	1	1	1	y	y	y	-	-	-	-	-	-
i022j	Was s(he) a baby who died more than 48 hours from birth, but within the first week?	1	1	1	1	y	y	y	-	-	-	-	-	-
i022k	Was s(he) a baby who died after the first week, but within the first month?	1	1	1	1	y	y	y	-	-	-	-	-	-
i022l	Was she a woman aged 12-19 years at death?	1	1	1	1	y	-	-	-	-	y	y	-	-
i022m	Was she a woman aged 20-34 years at death?	1	1	1	1	y	-	-	-	-	-	y	-	-
i022n	Was she a woman aged 35 to 49 years at death?	1	1	1	1	y	-	-	-	-	-	y	-	-
i059o	Was she married at the time of death?	1	1	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i077o	Did (s)he suffer from any injury or accident that led to her/his death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i079o	Was (s)he injured in a road traffic accident?	1	1	1	1	y	y	y	y	y	y	y	y	y
i082o	Was (s)he injured in a non-road transport accident?	99	99	1	1	y	y	y	y	y	y	y	y	y
i083o	Was (s)he injured in a fall?	1	1	1	1	y	y	y	y	y	y	y	y	y
i084o	Was (s)he poisoned in any way?	1	1	1	1	y	y	y	y	y	y	y	y	y
i085o	Did (s)he die of drowning?	1	1	1	1	y	y	y	y	y	y	y	y	y
i086o	Was (s)he injured by the bite or sting of a venomous animal?	2	2	1	1	y	y	y	y	y	y	y	y	y
i087o	Was (s)he injured by an animal or insect (non-venomous)	2	2	1	1	y	y	y	y	y	y	y	y	y
i089o	Was (s)he injured by burns or fire?	1	1	1	1	y	y	y	y	y	y	y	y	y
i090o	Was (s)he subject to violence (suicide, homicide, abuse)?	1	1	1	2	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i091o	Was (s)he injured by a fire arm?	1	1	1	1	y	y	y	y	y	y	y	y	y
i092o	Was (s)he stabbed, cut or pierced?	1	1	1	1	y	y	y	y	y	y	y	y	y
i093o	Was (s)he strangled?	1	1	1	1	y	y	y	y	y	y	y	y	y
i094o	Was (s)he injured by a blunt force?	99	99	1	1	y	y	y	y	y	y	y	y	y
i095o	Was (s)he injured by a force of nature?	2	2	1	1	y	y	y	y	y	y	y	y	y
i096o	Was (s)he electrocuted?	2	2	1	1	y	y	y	y	y	y	y	y	y
i098o	Was the injury accidental?	1	1	1	1	y	y	y	y	y	y	y	y	y
i099o	Was the injury or accident self-inflicted?	1	1	1	1	y	y	-	-	-	y	y	y	y
i100o	Was the injury or accident intentionally inflicted by someone else?	2	2	1	1	y	y	y	y	y	y	y	y	y
i104o	Did the baby ever cry?	2	2	1	1	y	y	y	-	-	-	-	-	-
i105o	Did the baby cry immediately after birth, even if only a little bit?	2	2	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i106a	Was it more than 5 minutes after birth before the baby first cried?	99	99	1	1	y	y	y	-	-	-	-	-	-
i107o	Did the baby stop being able to cry?	2	2	1	1	y	y	y	-	-	-	-	-	-
i108a	Did the baby stop crying more than a day before (s)he died?	99	99	1	99	y	y	y	-	-	-	-	-	-
i109o	Did the baby ever move?	2	2	1	1	y	y	y	-	-	-	-	-	-
i110o	Did the baby ever breathe?	2	2	1	1	y	y	y	-	-	-	-	-	-
i111o	Did the baby breathe immediately after birth, even a little?	2	2	1	1	y	y	y	-	-	-	-	-	-
i112o	Did the baby have a breathing problem?	1	1	1	1	y	y	y	-	-	-	-	-	-
i113o	Was the baby given assistance to breathe at birth?	99	99	1	1	y	y	y	-	-	-	-	-	-
i114o	If the baby didn't show any sign of life, was it born dead?	1	1	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i115o	Were there any bruises or signs of injury on child's body after the birth?	1	1	1	1	y	y	y	-	-	-	-	-	-
i116o	Was the baby's body soft, pulpy and discoloured with the skin peeling away?	99	1	1	1	y	y	y	-	-	-	-	-	-
i120a	Did the final illness last less than 3 weeks?	1	1	1	1	y	y	-	y	y	y	y	y	y
i120b	Did the final illness last at least 3 weeks?	1	1	1	1	y	y	-	y	y	y	y	y	y
i123o	Did (s)he die suddenly?	99	1	1	1	y	y	y	y	y	y	y	y	y
i125o	Was there any diagnosis by a health professional of tuberculosis?	1	1	1	1	y	y	-	y	y	y	y	y	y
i127o	Was there any diagnosis by a health professional of HIV/AIDS?	1	1	1	1	y	y	-	y	y	y	y	y	y
i128o	Did (s)he have a recent positive test by a health professional for malaria?	1	1	1	1	y	y	-	y	y	y	y	y	y
i129o	Did (s)he have a recent negative test by a health professional for malaria?	99	99	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i130o	Was there any diagnosis by a health professional of dengue fever?	99	99	1	1	y	y	-	y	y	y	y	y	y
i131o	Was there any diagnosis by a health professional of measles?	99	1	1	1	y	y	-	y	y	y	y	y	y
i132o	Was there any diagnosis by a health professional of high blood pressure?	1	1	1	1	y	y	-	-	-	y	y	y	y
i133o	Was there any diagnosis by a health professional of heart disease?	1	1	1	1	y	y	y	y	y	y	y	y	y
i134o	Was there any diagnosis by a health professional of diabetes?	1	1	1	1	y	y	-	y	y	y	y	y	y
i135o	Was there any diagnosis by a health professional of asthma?	1	1	1	1	y	y	-	y	y	y	y	y	y
i136o	Was there any diagnosis by a health professional of epilepsy?	1	1	1	1	y	y	-	y	y	y	y	y	y
i137o	Was there any diagnosis by a health professional of cancer?	1	1	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i138o	Was there any diagnosis by a health professional of Chronic Obstructive Pulmonary Disease (COPD)?	99	99	1	1	y	y	-	-	-	-	y	y	y
i139o	Was there any diagnosis by a physician or health worker of dementia?	99	99	1	1	y	y	-	-	-	-	y	y	y
i140o	Was there any diagnosis by a health professional of depression?	99	99	1	1	y	y	-	-	-	-	y	y	y
i141o	Was there any diagnosis by a health professional of stroke?	1	1	1	1	y	y	-	-	-	y	y	y	y
i142o	Was there any diagnosis by a health professional of sickle cell disease?	99	1	1	1	y	y	-	y	y	y	y	y	y
i143o	Was there any diagnosis by a health professional of kidney disease?	1	1	1	1	y	y	-	y	y	y	y	y	y
i144o	Was there any diagnosis by a health professional of liver disease?	1	1	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i147o	During the illness that led to death, did (s)he have a fever?	1	1	1	1	y	y	y	y	y	y	y	y	y
i148a	Did the fever last less than a week before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i148b	Did the fever last at least one week, but less than 2 weeks before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i148c	Did the fever last at least 2 weeks before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i149o	Did the fever continue until death?	99	99	1	1	y	y	y	y	y	y	y	y	y
i150a	Was the fever severe?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i151a	Was the fever continuous?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i152o	Did (s)he have night sweats?	1 (>= 5 years) 99 (infant & under5)	1	1	99	y	y	-	-	y	y	y	y	y
i153o	During the illness that led to death, did (s)he have a cough?	1	1	1	1	y	y	y	y	y	y	y	y	y
i154a	Did the cough last less than 3 weeks before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i154b	Did the cough last at least 3 weeks before death?	1	1	1	1	y	y	-	y	y	y	y	y	y
i155o	Was the cough productive, with sputum?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	-	y	y	y	y	y
i156o	Was the cough very severe?	99 (>= 5 years) 1 (infant & under5)	99 (>= 5 years) 1 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i157o	Did (s)he cough up blood?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	-	y	y	y	y	y
i158o	Did (s)he make a whooping sound when coughing?	99	99	1	1	y	y	y	y	y	y	-	-	-
i159o	During the illness that led to death, did (s)he have any difficulty breathing?	1	1	1	1	y	y	y	y	y	y	y	y	y
i161a	Did the difficult breathing last for at least 3 days before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i165a	Was the difficult breathing continuous during this period?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i166o	Did (s)he have fast breathing?	99 (>= 5 years) 1 (infant & under5) 1	1	1	1	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		(neonates)												
i167a	Did the fast breathing last for less than two weeks before death?	99 (>= 5 years) 99 (infant & under5) 1 (neonates)	99 (>= 5 years) 99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	y	y	y	y	y
i167b	Did the fast breathing last for at least 2 weeks before death?	99 (>= 5 years) 99 (infant & under5) 1 (neonates)	99 (>= 5 years) 99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	y	y	y	y	y
i168o	Did (s)he have breathlessness?	1 (>= 5 years) 99 (infant & under5) 99 (neonate	1 (>= 5 years) 2 (infant & under5) 2 (neonate	1	2	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		s)	s)											
i169a	Did the breathlessness last for less than 2 weeks before death?	1 (>= 5 years) 2 (infant & under5) 2 (neonates)	1 (>= 5 years) 2 (infant & under5) 2 (neonates)	1	2	y	y	y	y	y	y	y	y	y
i169b	Did the breathlessness last for at least 2 weeks before death?	1 (>= 5 years) 2 (infant & under5) 2 (neonates)	1 (>= 5 years) 2 (infant & under5) 2 (neonates)	1	2	y	y	y	y	y	y	y	y	y
i170o	Was (s)he unable to carry out daily routines due to breathlessness?	99	99	1	1	y	y	-	-	-	y	y	y	y
i171o	Was (s)he breathless while lying flat?	99	1	1	1	y	y	-	-	-	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i172o	Did you see the lower chest wall/ribs being pulled in as the child breathed?	99 (>= 5 years) 1 (infant & under5) 1 (neonates)	1	1	1	y	y	y	y	y	y	-	-	-
i173a	Did his/her breathing sound like wheezing or grunting?	1	1	1	1	y	y	y	y	y	y	y	y	y
i174o	During the illness that led to death, did (s)he have chest pain?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	-	y	y	y	y	y
i175o	Was the chest pain severe?	2 (>= 5 years) 99 (infant & under5)	2 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i176a	Did (s)he experience chest pain at least 3 days before death?	99	99	1	1	y	y	-	-	y	y	y	y	y
i178a	Did the chest pain last for at least 30 minutes?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i181o	Did (s)he have diarrhoea?	1	1	1	1	y	y	y	y	y	y	y	y	y
i182a	Did (s)he have diarrhoea for less than 2 weeks before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i182b	Did (s)he have diarrhoea for at least 2 weeks but less than 4 weeks before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i182c	Did (s)he have diarrhoea for at least 4 weeks before death?	1	1	1	1	y	y	-	y	y	y	y	y	y
i183a	Did the baby or child have at least 4 stools on the day that loose liquid stools were most frequent?	1 (>= 5 years) 99 (infant &	1 (>= 5 years) 99 (infant &	1	1	y	y	-	y	y	y	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		under5)	under5)											
i184a	Did the frequent loose or liquid stools start at least 3 days before death?	1	1	1	1	y	y	-	y	y	y	-	-	-
i185o	Did the frequent loose or liquid stools continue up until death?	99	99	1	1	y	y	-	y	y	y	-	-	-
i186o	At any time during the final illness was there blood in the stools?	1	1	1	1	y	y	y	y	y	y	y	y	y
i187o	Was there blood in the stool up until death?	99	99	1	99	y	y	-	y	y	y	y	y	y
i188o	During the illness that led to death, did (s)he vomit?	1 (>= 5 years) 99 (infant & under5) 1 (neonates)	1	1	1	y	y	y	y	y	y	y	y	y
i189o	Did (s)he vomit in the week preceding the death?	1 (>= 5 years) 99 (infant &	1 (>= 5 years) 99 (infant &	1	1	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		under5) 99 (neonates)	under5) 99 (neonates)											
i190o	Did (s)he vomit for at least 3 days before death?	1	1	1	1	y	y	-	-	-	y	y	y	y
i191o	Was there blood in the vomit?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	-	y	y	y	y	y
i192o	Was the vomit black?	99	99	1	1	y	y	-	-	-	y	y	y	y
i193o	During the illness that led to death, did (s)he have any abdominal (belly) problem?	2 (>= 5 years) 99 (infant & under5) 2 (neonates)	2	1	2	y	y	y	y	y	y	y	y	y
i194o	Did (s)he have abdominal pain?	1 (>= 5 years) 99	1	1	1	y	y	-	-	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		(infant & under5)												
i195o	Was the abdominal pain severe?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i197a	Did (s)he have severe abdominal pain for less than 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i197b	Did (s)he have severe abdominal pain for at least 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i199a	Was the pain in the upper abdomen?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i199b	Was the pain in the lower abdomen?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i200o	Did (s)he have a more than usually protruding abdomen?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y
i201a	Did (s)he have a more than usually protruding abdomen for less than 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i201b	Did (s)he have a more than usually protruding abdomen for at least 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i203a	Did (s)he develop the protruding abdomen rapidly?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i204o	Did (s)he have any mass in the abdomen?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y
i205a	Did (s)he have a mass in the abdomen for less than 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i205b	Did (s)he have a mass in the abdomen for at least 2 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i207o	During the illness that led to death, did (s)he have a severe headache?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	-	y	y	y	y	y
i208o	During the illness that led to death, did (s)he have a stiff neck?	1	1	1	2	y	y	-	y	y	y	y	y	y
i209a	Did (s)he have a stiff neck for less than one week before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i209b	Did (s)he have a stiff neck for at least one week before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i210o	During the illness that led to death, did (s)he have a painful neck?	1 (>= 5 years) 99 (infant &	1 (>= 5 years) 99 (infant &	1	2	y	y	-	-	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		under5)	under5)											
i211a	Did (s)he have a painful neck for at least one week before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	2	y	y	-	-	y	y	y	y	y
i212o	During the illness that led to death, did (s)he have mental confusion?	1	1	1	1	y	y	-	-	-	-	y	y	y
i213o	Did (s)he have mental confusion for at least 3 months before death?	1	1	1	1	y	y	-	-	-	-	y	y	y
i214o	During the illness that led to death, was (s)he unconscious?	1	1	1	1	y	y	y	y	y	y	y	y	y
i215o	Was (s)he unconscious for at least 24 hours before death?	1	1	1	1	y	y	y	y	y	y	y	y	y
i216a	Was (s)he unsconscious for at least 6 hours before death?	1	1	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i217o	Did the unconsciousness start suddenly, quickly (at least within a single day)?	1	1	1	1	y	y	-	y	y	y	y	y	y
i218o	Did the unconsciousness continue until death?	99	99	1	99	y	y	-	y	y	y	y	y	y
i219o	During the illness that led to death, did (s)he have any convulsions?	1	1	1	2	y	y	y	y	y	y	y	y	y
i220o	Did (s)he experience any generalized convulsions or fits?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	2	y	y	-	y	y	y	-	-	-
i221a	Did the convulsions last for less than 10 minutes?	99	99	1	99	y	y	-	y	y	y	y	y	y
i221b	Did the convulsions last for at least 10 minutes?	99	99	1	99	y	y	-	y	y	y	y	y	y
i222o	Did (s)he become unconscious immediately after the convulsion?	99	99	1	1	y	y	-	y	y	y	y	y	y
i223o	During the illness that led to death, did (s)he have any urine problems?	1 (>= 5 years) 99 (infant &	1	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		under5)												
i224o	Did (s)he stop urinating?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y
i225o	Did (s)he go to urinate more often than usual?	1 (>= 5 years) 99 (infant & under5)	1	1	99	y	y	-	-	y	y	y	y	y
i226o	Did (s)he pass blood in the urine?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y
i227o	During the illness that led to death, did (s)he have any sores or ulcers anywhere?	1 (>= 5 years) 99 (infant & under5)	1	1	2	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i228o	Did (s)he have sores?	**Only in Checklist 1** 1 (>= 5 years) 99 (infant & under5)	99	1	2	y	y	-	y	y	y	y	y	y
i229o	Did the sores have clear fluid and/or pus?	99	99	1	2	y	y	-	y	y	y	y	y	y
i230o	Did (s)he have an ulcer (pit) on the foot?	99	99	1	1	y	y	-	y	y	y	y	y	y
i231o	Did any ulcer ooze pus?	99	99	1	2	y	y	-	y	y	y	y	y	y
i232a	Did the ulcer ooze pus for at least 2 weeks?	99	99	1	2	y	y	-	y	y	y	y	y	y
i233o	During the illness that led to death, did (s)he have any skin rash?	1 (>= 5 years) 1 (infant & under5) 2 (neonates)	1	1	1	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i234a	Did (s)he have the skin rash for less than one week?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i234b	Did (s)he have the skin rash for at least one week?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i235a	Did (s)he have a rash on the face?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i235b	Did (s)he have a rash on the trunk or abdomen?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i235c	Did (s)he have a rash on the extremities?	1 (>= 5 years) 99	1 (>= 5 years) 99	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		(infant & under5)	(infant & under5)											
i235d	Did (s)he have a rash everywhere?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i236o	Did (s)he have measles rash?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y
i237o	Did (s)he ever have shingles or herpes zoster?	99	1	1	1	y	y	-	-	-	-	y	y	y
i238o	During the illness that led to death, did her/his skin flake off in patches?	99 (>= 5 years) 1 (infant & under5)	99 (>= 5 years) 1 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i239o	During the illness that led to death, did he/she have	1 (>= 5 years) 99	1 (>= 5 years) 99	1	1	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
	areas of the skin that turned black?	(infant & under5) 99 (neonates)	(infant & under5) 99 (neonates)											
i240o	During the illness that led to death, did he/she have areas of the skin with redness and swelling?	99	99	1	1	y	y	y	y	y	y	y	y	y
i241o	During the illness that led to death, did (s)he bleed from anywhere?	1 (>= 5 years) 99 (infant & under5) 1 (neonates)	1 (>= 5 years) 99 (infant & under5) 1 (neonates)	1	99	y	y	y	y	y	y	y	y	y
i242o	Did (s)he bleed from the nose, mouth or anus?	99	99	1	1	y	y	-	y	y	y	y	y	y
i243o	During the illness that led to death, did (s)he have noticeable weight loss?	1	1	1	1	y	y	-	y	y	y	y	y	y
i244o	Was (s)he severely thin or wasted?	99 (>= 5 years)	99 (>= 5 years)	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		1 (infant & under5)	1 (infant & under5)											
i245o	During the illness that led to death, did s/he have a whitish rash inside the mouth or on the tongue?	2 (>= 5 years) 99 (infant & under5)	2	1	1	y	y	-	y	y	y	y	y	y
i246o	During the illness that led to death, did (s)he have stiffness of the whole body or was unable to open the mouth?	1	1	1	1	y	y	-	y	y	y	y	y	y
i247o	During the illness that led to death, did (s)he have puffiness of the face?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	-	y	y	y	y	y
i248a	Did (s)he have puffiness of the face for at least one week before death?	99	99	1	1	y	y	-	-	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i249o	During the illness that led to death, did (s)he have swollen legs or feet?	2 (>= 5 years) 99 (infant & under5)	2	1	1	y	y	-	y	y	y	y	y	y
i250a	Did the swelling last for at least 3 days before death?	2 (>= 5 years) 99 (infant & under5)	2 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i251o	Did (s)he have both feet swollen?	99	99	1	1	y	y	-	-	y	y	y	y	y
i252o	During the illness that led to death, did (s)he have general puffiness all over his/her body?	99	99	1	1	y	y	-	y	y	y	y	y	y
i253o	During the illness that led to death, did (s)he have any lumps?	99	99	1	1	y	y	-	y	y	y	y	y	y
i254o	Did (s)he have any lumps or lesions in the mouth?	99	99	1	1	y	y	-	y	y	y	y	y	y
i255o	Did (s)he have any lumps in the neck?	2	2	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i256o	Did (s)he have any lumps in the armpit?	2	2	1	1	y	y	-	y	y	y	y	y	y
i257o	Did (s)he have any lumps in the groin?	2	2	1	1	y	y	-	y	y	y	y	y	y
i258o	During the illness that led to death, was (s)he in any way paralysed?	1	1	1	1	y	y	-	y	y	y	y	y	y
i259o	Did (s)he have paralysis of only one side of the body?	99	1	1	1	y	y	-	y	y	y	y	y	y
i260a	Was only the right side of the body paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i260b	Was only the left side of the body paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i260c	Was only the lower part of the body paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i260d	Was only the upper part of the body paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i260e	Was only one leg paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i260f	Was only one arm paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i260g	Was the entire body paralysed?	99	99	1	1	y	y	-	y	y	y	y	y	y
i261o	During the illness that led to death, did (s)he have difficulty swallowing?	1	1	1	2	y	y	-	y	y	y	y	y	y
i262a	Did (s)he have difficulty swallowing for at least one week before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i263a	Did (s)he have difficulty with swallowing solids?	1 (>= 5 years) 99 (infant & under5)	2 (>= 5 years) 99 (infant & under5)	1	99	y	y	-	y	y	y	y	y	y
i263b	Did (s)he have difficulty with swallowing liquids?	1 (>= 5 years) 99 (infant & under5)	2 (>= 5 years) 99 (infant & under5)	1	99	y	y	-	y	y	y	y	y	y
i264o	Did (s)he have pain upon swallowing?	99	99	1	2	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i265o	During the illness that led to death, did (s)he have yellow discolouration of the eyes?	1 (>= 5 years) 99 (infant & under5) 99 (neonates)	1	1	1	y	y	y	y	y	y	y	y	y
i266a	Did (s)he have the yellow discolouration for at least 3 weeks before death?	1 (>= 5 years) 99 (infant & under5)	1 (>= 5 years) 99 (infant & under5)	1	1	y	y	-	y	y	y	y	y	y
i267o	During the illness that led to death, did her/his hair change to a reddish or yellowish colour?	99	2	1	1	y	y	-	y	y	y	y	y	y
i268o	During the illness that led to death, did (s)he look pale (thinning/lack of blood) or have pale palms, eyes or nail beds?	1 (>= 5 years) 99 (infant & under5)	1	1	1	y	y	-	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i269o	During the illness that led to death, did (s)he have sunken eyes?	1	1	1	1	y	y	-	y	y	y	-	-	-
i270o	During the illness that led to death, did (s)he drink a lot more water than usual?	99	1	1	99	y	y	-	-	y	y	y	y	y
i271o	Was the baby able to suckle or bottle-feed within the first 24 hours after birth?	2	2	1	1	y	y	y	-	-	-	-	-	-
i272o	Did the baby ever suckle in a normal way?	2	2	1	1	y	y	y	-	-	-	-	-	-
i273o	Did the baby stop suckling?	1	1	1	1	y	y	y	-	-	-	-	-	-
i274a	Did the baby stop suckling on the 2nd day of life or later?	1	1	1	1	y	y	y	-	-	-	-	-	-
i275o	Did the baby have convulsions starting within the first 24 hours of life?	1	1	1	1	y	y	y	-	-	-	-	-	-
i276o	Did the baby have convulsions starting more than 24 hours after birth?	1	1	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i277o	Did the baby's body become stiff, with the back arched backwards?	99	99	1	1	y	y	y	y	-	-	-	-	-
i278o	During the illness that led to death, did the baby have a bulging or raised fontanelle?	1	1	1	1	y	y	y	y	-	-	-	-	-
i279o	During the illness that led to death, did the baby have a sunken fontanelle?	99	2	1	1	y	y	y	y	-	-	-	-	-
i281o	During the illness that led to death, did the baby become unresponsive or unconscious?	1	1	1	1	y	y	y	y	-	-	-	-	-
i282o	Did the baby become unresponsive or unconscious soon after birth, within less than 24 hours?	99	99	1	1	y	y	y	-	-	-	-	-	-
i283o	Did the baby become unresponsive or unconscious more than 24 hours after birth?	99	99	1	1	y	y	y	y	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i284o	During the illness that led to death, did the baby become cold to touch?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i285a	Was the baby more than 3 days old when it started feeling cold to touch?	99	99	1	99	y	y	y	-	-	-	-	-	-
i286o	During the illness that led to death, did the baby become lethargic, after a period of normal activity?	1 (infant & under5) 99 (neonates)	1 (infant & under5) 99 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i287o	Did the baby have redness or discharge from the umbilical cord stump?	1	1	1	1	y	y	y	-	-	-	-	-	-
i288o	During the illness that led to death, did the baby have skin ulcer(s) or pits?	99	99	1	1	y	y	y	-	-	-	-	-	-
i289o	During the illness that led to death, did the baby have	99 (infant & under5)	99 (infant & under5)	1	1	y	y	y	y	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
	yellow skin, palms (hand) or soles (foot)?	2 (neonates)	2 (neonates)											
i290o	Did the baby or infant appear to be healthy and then just die suddenly?	99	99	1	99	y	y	y	y	-	-	-	-	-
i294o	During the illness that led to death, did she have any swelling or lump in the breast?	1	1	1	2	y	-	-	-	-	-	y	y	y
i295o	During the illness that led to death, did she have any ulcers (pits) in the breast?	99	99	1	2	y	-	-	-	-	-	y	y	y
i296o	Did she ever have a period or menstruate?	99	99	1	1	y	-	-	-	-	-	y	y	y
i297o	During the illness that led to death, did she have excessive vaginal bleeding in between menstrual periods?	99	99	1	99	y	-	-	-	-	y	y	y	y
i298o	Was the bleeding excessive?	99	99	1	99	y	-	-	-	-	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i299o	Did her menstrual period stop naturally because of menopause?	99	99	1	1	y	-	-	-	-	-	y	y	y
i300o	Did she have vaginal bleeding after cessation of menstruation?	99	99	1	1	y	-	-	-	-	-	y	y	y
i301o	Was there excessive vaginal bleeding in the week prior to death?	99	99	1	1	y	-	-	-	-	y	y	y	y
i302o	At the time of death was her period overdue?	99	99	1	1	y	-	-	-	-	y	y	-	-
i303a	Had her period been overdue for at least 4 weeks?	99	99	1	1	y	-	-	-	-	y	y	-	-
i304o	Did she have a sharp pain in her abdomen shortly before death?	99	99	1	2	y	-	-	-	-	y	y	-	-
i305o	Was she pregnant (incl. in labour) at the time of death?	1	1	1	1	y	-	-	-	-	y	y	-	-
i306o	Did she die within 6 weeks of delivery, abortion or miscarriage?	1	1	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i309o	Was she, or had she been, pregnant for less than 6 months when she died?	1	1	1	1	y	-	-	-	-	y	y	-	-
i310o	Please confirm: When she died, she was NEITHER pregnant NOR had recently been pregnant NOR had recently delivered when she died - is that right?	2	2	1	1	y	-	-	-	-	y	y	-	-
i312o	Did she die during labour or delivery?	2	2	1	1	y	-	-	-	-	y	y	-	-
i313o	Did she die after delivering a baby?	1	1	1	1	y	-	-	-	-	y	y	-	-
i314o	Did she die within 24 hours after delivery?	1	1	1	1	y	-	-	-	-	y	y	-	-
i315o	Did she die within 6 weeks of childbirth?	1	1	1	1	y	-	-	-	-	y	y	-	-
i316o	Did she give birth to a live baby (within 6 weeks of her death)?	99	99	1	99	y	-	-	-	-	y	y	-	-
i317o	Did she die during or after a multiple pregnancy?	99	99	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i318o	Was she breastfeeding the child in the days before death?	99	99	1	99	y	-	-	-	-	y	y	-	-
i319a	Did she die during or after her first pregnancy?	99	99	1	1	y	-	-	-	-	y	y	-	-
i319b	Did she have four or more pregnancies before this one?	99	99	1	1	y	-	-	-	-	y	y	-	-
i320o	Had she had any previous Caesarean section?	99	99	1	1	y	-	-	-	-	y	y	-	-
i321o	During pregnancy, did she suffer from high blood pressure?	1	1	1	1	y	-	-	-	-	y	y	-	-
i322o	Did she have foul smelling vaginal discharge during pregnancy or after delivery?	1	1	1	1	y	-	-	-	-	y	y	-	-
i323o	During the last 3 months of pregnancy, did she suffer from convulsions?	1	1	1	1	y	-	-	-	-	y	y	-	-
i324o	During the last 3 months of pregnancy did she suffer from blurred vision?	99	99	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i325o	Did she have excessive bleeding during pregnancy or shortly after delivery?	1	1	1	2	y	-	-	-	-	y	y	-	-
i326o	Was there vaginal bleeding during the first 6 months of pregnancy?	1	1	1	99	y	-	-	-	-	y	y	-	-
i327o	Was there vaginal bleeding during the last 3 months of pregnancy but before labour started?	1	1	1	1	y	-	-	-	-	y	y	-	-
i328o	Did she have excessive bleeding during labour, before delivery?	1	1	2	99	y	-	-	-	-	y	y	-	-
i329o	Did she have excessive bleeding after delivery or abortion?	1	1	1	1	y	-	-	-	-	y	y	-	-
i330o	Was the placenta completely delivered?	1	1	1	1	y	-	-	-	-	y	y	-	-
i331o	Did she deliver or try to deliver an abnormally positioned baby?	1	1	1	1	y	-	-	-	-	y	y	-	-
i332a	Did her labour last longer than 24 hours?	1	1	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i333o	Did she attempt to terminate the pregnancy?	1	1	1	1	y	-	-	-	-	y	y	-	-
i334o	Did she recently have a pregnancy that ended in an abortion (spontaneous or induced)?	1	1	1	2	y	-	-	-	-	y	y	-	-
i335o	Did she die during an abortion?	99	99	1	99	y	-	-	-	-	y	y	-	-
i336o	Did she die within 6 weeks of having an abortion?	99	99	1	1	y	-	-	-	-	y	y	-	-
i337a	Did the mother deliver at a health facility or clinic?	1	1	1	1	y	-	-	-	-	y	y	-	-
i337b	Did the mother deliver at home?	1	1	1	1	y	-	-	-	-	y	y	-	-
i337c	Did the mother deliver elsewhere (not at a health facility nor at home)?	1	1	1	1	y	-	-	-	-	y	y	-	-
i338o	Did she receive professional assistance during the delivery?	99	99	1	1	y	-	-	-	-	y	y	-	-
i340o	Did she have an operation to remove her uterus shortly before death?	99	99	1	1	y	-	-	-	-	y	y	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i342o	Was the delivery normal vaginal, without forceps or vacuum?	1	1	1	1	y	-	-	-	-	y	y	-	-
i343o	Was the delivery vaginal, with forceps or vacuum?	1	1	1	1	y	-	-	-	-	y	y	-	-
i344o	Was the delivery a Caesarean section?	1	1	1	1	y	-	-	-	-	y	y	-	-
i347o	Was her baby born more than one month early?	1	1	1	1	y	-	-	-	-	y	y	-	-
i354o	Was the child part of a multiple birth?	99	99 (infant & under5) 2 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i355a	If the child was part of a multiple birth, was it born first?	99	99	1	99	y	y	y	y	-	-	-	-	-
i356o	Is the child's mother still alive?	99	99	1	99	y	y	y	y	-	-	-	-	-
i357o	Did the child's mother die during or shortly after the delivery?	99	99	1	99	y	y	y	y	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i358a	Did the child's mother die in the baby's first year of life?	99	99	1	99	y	y	y	y	-	-	-	-	-
i360a	Was the baby born in a health facility or clinic?	99	99	1	99	y	y	y	y	-	-	-	-	-
i360b	Was the baby born at home?	99	99	1	99	y	y	y	y	-	-	-	-	-
i360c	Was the baby born somewhere else (e.g. on the way to a clinic)?	99	99	1	99	y	y	y	y	-	-	-	-	-
i361o	Did the mother receive professional assistance during the delivery?	99	99	1	99	y	y	y	y	-	-	-	-	-
i362o	At birth, was the baby of usual size?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	99	y	y	y	y	-	-	-	-	-
i363o	At birth, was the baby smaller than normal (weighing under 2.5 kg)?	99 (infant & under5) 1 (neonate	99 (infant & under5) 1 (neonate	1	1	y	y	y	y	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
		s)	s)											
i364o	At birth, was the baby very much smaller than usual, (weighing under 1 kg)?	1	1	1	1	y	y	y	y	-	-	-	-	-
i365o	At birth, was the baby larger than normal (weighing over 4.5 kg)?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i367a	Was the baby born during the ninth month (at least 37 weeks) of pregnancy?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i367b	Was the baby born during the eighth month (34 to 37 weeks) of pregnancy?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i367c	Was the baby born before the eighth month (less than 34 weeks) of pregnancy?	99 (infant & under5) 1 (neonates)	99 (infant & under5) 1 (neonates)	1	1	y	y	y	y	-	-	-	-	-
i368o	Were there any complications in the late part of the pregnancy (defined as the last 3 months), but before labour?	99	99	1	99	y	y	y	y	-	-	-	-	-
i369o	Were there any complications during labour or delivery?	99	99	1	1	y	y	y	y	-	-	-	-	-
i370o	Was any part of the baby physically abnormal at time of delivery? (for example: body part too large or too small, additional growth on body)?	99 (>= 5 years) 1 (infant & under5) 1 (neonates)	99 (>= 5 years) 1 (infant & under5) 1 (neonates)	1	1	y	y	y	y	y	y	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i371o	Did the baby/child have a swelling or defect on the back?	99	99	1	1	y	y	y	y	y	y	-	-	-
i372o	Did the baby/child have a very large head?	99	99	1	1	y	y	y	y	y	y	-	-	-
i373o	Did the baby/child have a very small head?	99	99	1	1	y	y	y	y	y	y	-	-	-
i376o	Was the baby moving in the last few days before the birth?	99	99	1	2	y	y	y	-	-	-	-	-	-
i377o	Did the baby stop moving in the womb before labour started?	99	99	1	2	y	y	y	y	y	y	y	y	y
i382a	Did labour and delivery take more than 24 hours?	99	99	1	1	y	y	y	-	-	-	-	-	-
i383o	Was the baby born 24 hours or more after the waters broke?	1	1	1	1	y	y	y	-	-	-	-	-	-
i384o	Was the liquor foul smelling when the waters broke?	99	99	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i385a	Was the liquor a green or brown colour when the waters broke?	99	99	1	1	y	y	y	-	-	-	-	-	-
i387o	Was the delivery normal vaginal, without forceps or vacuum?	99	99	1	1	y	y	y	-	-	-	-	-	-
i388o	Was the delivery vaginal, with forceps or vacuum?	99	99	1	1	y	y	y	y	y	y	y	y	y
i389o	Was the delivery a Caesarean section?	99	99	1	1	y	y	y	y	y	y	y	y	y
i391o	Did the child's mother receive any vaccinations since reaching adulthood including during this pregnancy?	99	2	1	1	y	y	y	-	-	-	-	-	-
i393o	Did the mother receive tetanus toxoid (TT) vaccine?	99	1	1	1	y	y	y	-	-	-	-	-	-
i394a	Was this baby born from the mother's first pregnancy?	99	99	1	99	y	y	y	-	-	-	-	-	-
i394b	Did the baby's mother have four or more births before this one?	99	99	1	99	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i395o	During labour, did the baby's mother suffer from fever?	99	99	1	1	y	y	y	-	-	-	-	-	-
i396o	During the last 3 months of pregnancy, labour or delivery, did the baby's mother suffer from high blood pressure?	99	99	1	1	y	y	y	-	-	-	-	-	-
i397o	Did the baby's mother have diabetes mellitus?	99	99	1	1	y	y	y	-	-	-	-	-	-
i398o	Did the baby's mother have foul smelling vaginal discharge during pregnancy or after delivery?	99	99	1	1	y	y	y	-	-	-	-	-	-
i399o	During the last 3 months of pregnancy, labour or delivery, did the baby's mother suffer from convulsions?	99	99	1	1	y	y	y	-	-	-	-	-	-
i400o	During the last 3 months of pregnancy did the baby's mother suffer from blurred vision?	99	99	1	1	y	y	y	-	-	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i401o	Did the baby's mother have severe anaemia?	99	99	1	1	y	y	y	-	-	-	-	-	-
i402o	Did the baby's mother have vaginal bleeding during the last 3 months of pregnancy but before labour started?	99	99	1	1	y	y	y	-	-	-	-	-	-
i403o	Did the baby's bottom, feet, arm or hand come out of the vagina before its head?	99	99	1	1	y	y	y	-	-	-	-	-	-
i404o	Was the umbilical cord wrapped more than once around the baby's neck at birth?	99	99	1	1	y	y	y	-	-	-	-	-	-
i405o	Was the umbilical cord delivered first?	99	99	1	1	y	y	y	-	-	-	-	-	-
i406o	Was the baby blue in colour at birth?	99	99	1	1	y	y	y	-	-	-	-	-	-
i408o	Before the illness that led to death, was the baby/child growing normally?	1 (infant & under5) 99 (neonates)	1 (infant & under5) 99 (neonates)	1	1	y	y	y	y	y	-	-	-	-

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i411o	Did (s)he drink alcohol?	1	1	1	1	y	y	-	-	-	-	y	y	y
i412o	Did (s)he use tobacco?	2	2	1	1	y	y	-	-	-	-	y	y	y
i413o	Did (s)he smoke tobacco (cigarette, cigar, pipe, etc.)?	1	1	1	1	y	y	-	-	-	-	y	y	y
i414a	Did (s)he use non-smoking tobacco?	99	99	1	1	y	y	-	-	-	-	y	y	y
i415a	Did (s)he smoke at least 10 cigarettes daily?	99	99	1	99	y	y	-	-	-	-	y	y	y
i418o	Did (s)he receive any treatment for the illness that led to death?	2	2	1	1	y	y	y	y	y	y	y	y	y
i419o	Did (s)he receive oral rehydration salts?	99	99	1	1	y	y	y	y	y	y	y	y	y
i420o	Did (s)he receive (or need) intravenous fluids (drip) treatment?	99	99	1	1	y	y	y	y	y	y	y	y	y
i421o	Did (s)he receive (or need) a blood transfusion?	99	99	1	1	y	y	-	y	y	y	y	y	y
i422o	Did (s)he receive (or need) treatment/food through a tube passed through the nose?	99	99	1	1	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i423o	Did (s)he receive (or need) injectable antibiotics?	99	99	1	1	y	y	y	y	y	y	y	y	y
i424o	Did (s)he receive (or need) antiretroviral therapy (ART)?	1	1	1	1	y	y	y	y	y	y	y	y	y
i425o	Did (s)he have (or need) an operation for the illness?	99	1	1	1	y	y	y	y	y	y	y	y	y
i426o	Did (s)he have the operation within 1 month before death?	99	1	1	1	y	y	y	y	y	y	y	y	y
i427o	Was (s)he discharged from hospital very ill?	99	1	1	1	y	y	y	y	y	y	y	y	y
i428o	Did (s)he receive appropriate immunizations?	99	1	1	99	y	y	-	y	y	y	-	-	-
i450o	In the final days before death, did s/he travel to a hospital or health facility?	2	2	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i451o	Did (s)he use motorised transport to get to the hospital or health facility?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i452o	Were there any problems during admission to the hospital or health facility?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i453o	Were there any problems with the way (s)he was treated (medical treatment, procedures, interpersonal attitudes, respect, dignity) in the hospital or health facility?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i454o	Were there any problems getting medications, or	99	99	1	1 (but missing for VisitDate	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
	diagnostic tests in the hospital or health facility?				January 2022 to July 2024)									
i455o	Does it take more than 2 hours to get to the nearest hospital or health facility from the deceased's household?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i456o	In the final days before death, were there any doubts about whether medical care was needed?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i457o	In the final days before death, was traditional medicine used?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
i458o	In the final days before death, did anyone use a telephone or cell phone to call for help?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
i459o	Over the course of illness, did the total costs of care and treatment prohibit other household payments?	99	99	1	1 (but missing for VisitDate January 2022 to July 2024)	y	y	y	y	y	y	y	y	y
covid_diag	Was there any diagnosis by a health professional of COVID-19?	99	99	99	1	y	y	-	-	-	-	y	y	y
covid_test	Did s(h)e have a recent test by a health professional for COVID-19?	99	99	99	1	y	y	-	-	-	-	y	y	y
covid_test_r	What was the result of the Covid-19 test?	99	99	99	1	y	y	-	-	-	-	y	y	y

Variable name	Variable description	VAQ/CL1	VAQ and CL2	VAP	VAW	female	male	neonate	infant	under5	child	adult	midage	elder
taste_loss	Did (s)he experience a new loss, change or decreased sense of smell or taste?	99	99	99	1	y	y	-	-	-	-	y	y	y
extreme_fatigue	Did s(h)e suffer from extreme fatigue?	99	99	99	1	y	y	-	-	-	-	y	y	y