





CRVS technical guide

SmartVA: Interviewer's Manual

March 2019





Resources available from the University of Melbourne, Bloomberg Philanthropies Data for Health Initiative

CRVS course prospectuses

These resources outline the context, training approach, course content and course objectives for the suite of CRVS trainings delivered through the Bloomberg Philanthropies Data for Health Initiative. Each course focuses on a specific CRVS intervention or concept, and is designed to support countries to strengthen their CRVS systems and data.

CRVS Fellowship reports and profiles

The CRVS Fellowship Program aims to build technical capacity in both individuals and institutions to enhance the quality, sustainability and health policy utility of CRVS systems in Fellows' home countries. *Fellowship reports* are written by Fellows as a component of the program, and document, in detail, the research outcomes of their Fellowship. *Fellowship profiles* provide a summary of Fellows' country context in relation to CRVS, an overview of the Fellowship experiences, the research topic and the projected impact of findings.

CRVS analyses and evaluations

These analytical and evaluative resources, generated through the Initiative, form a concise and accessible knowledge-base of outcomes and lessons learnt from CRVS initiatives and interventions. They report on works in progress, particularly for large or complex technical initiatives, and on specific components of projects that may be of more immediate relevance to stakeholders. These resources have a strong empirical focus, and are intended to provide evidence to assist planning and monitoring of in-country CRVS technical initiatives and other projects

CRVS best-practice and advocacy

Generated through the Initiative, CRVS best-practice and advocacy resources are based on a combination of technical knowledge, country experiences and scientific literature. These resources are intended to stimulate debate and ideas for in-country CRVS policy, planning, and capacity building, and promote the adoption of best-practice to strengthen CRVS systems worldwide.

CRVS country reports

CRVS country reports describe the capacity-building experiences and successes of strengthening CRVS systems in partner countries. These resources describe the state of CRVS systems-improvement and lessons learnt, and provide a baseline for comparison over time and between countries.

CRVS technical guides

Specific, technical and instructive resources in the form of *quick reference guides, user guides* and *action guides*. These guides provide a succinct overview and/or instructions for the implementation or operation of a specific CRVS-related intervention or tool.

CRVS tools

Interactive and practical resources designed to influence and align CRVS processes with established international or best-practice standards. These resources, which are used extensively in the Initiative's training courses, aim to change practice and ensure countries benefit from such changes by developing critical CRVS capacity among technical officers and ministries.

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The information contained in this manual provides generic information to intended VA interviewers on how to conduct VA interviews systematically. It has been developed for implementation as part of a broader package of resources and tools. As such, countries are strongly recommended to adapt the manual to meet their local needs and context. This should be done in consultation with their BD4H Country Implementation Team prior to any VA activities taking place.

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Preface

About this manual

This manual is intended to provide **verbal autopsy** (VA)¹ interviewers with the information needed to conduct interviews systematically, to ensure the information collected is reliable and valid. It provides a complete description of the roles and responsibilities of the interviewers for conducting VAs as part of routine surveillance. This manual also shows how to conduct an interview with SmartVA, using the electronic version of the Population Health Metrics Research Consortium (PHMRC) **VA Shortened Questionnaire** on tablets and the Open Data Kit (ODK) Collect software. This manual can be used in conjunction with the *VA Technical User Guide*, which provides further information on the technical aspects of using the tablet to collect and transfer information.

How to use this manual

The manual is to be used as a training and reference guide during an interviewer's work within assignment areas. The manual provides guidelines to follow when conducting VA interviews with bereaved families. This manual also serves as a reference for those who work with and supervise interviewers, including supervisors, and those responsible for coordinating VA activities. It should also be used as a resource by those responsible for training VA interviewers. The VA interviewer should review this manual carefully during their training and refer to it as needed during their interviews.

Verbal autopsy

Verbal autopsy is the most practical option for countries to use to diagnose causes of death when deaths occur outside hospitals or in health care facilities where it is not possible to assign cause of death, either due to limited diagnostic capabilities or because the patient arrived shortly before or after death. VA is a method for collecting information about an individual's signs and symptoms prior to death from the family and interpreting these to diagnose the likely or most probable cause of death. The process consists of three basic steps: 1) setting-up a VA interview by a trained VA staff member at the **household** level (or other appropriate place); 2) conducting an interview and collecting information on signs and symptoms of illnesses/events that the deceased suffered before death; and 3) interpreting the interview data to diagnose the most likely cause of death.

¹ Definitions of words in bold are found in Appendix 1: Glossary

Overview of PHMRC Shortened Verbal Autopsy questionnaire

Electronic shortened VA questionnaire

The PHMRC shortened (SmartVA) questionnaire is a VA instrument developed by PHMRC research group², based on World Health Organization standards. The questionnaire, and the ability to collect information electronically and analyse without the need of a physician, provides an innovative, easy to use, and scientifically sound method for producing cause of death information for deaths occurring outside of health facilities. The questionnaire consists of four modules:

- 1. General information module to be applied for all decedents;
- 2. Age-specific module for neonate (0–28 days) deaths, including stillbirths;
- 3. Age-specific module for child (29 days to 11 years) deaths;
- 4. Age-specific module for adolescent and adult (12 years or more) deaths.

The SmartVA questionnaire includes questions to collect information about the symptoms of the deceased, health care seeking/experience, demographic characteristics, possible risk factors (such as tobacco use), and other potentially contributing characteristics.

What is Smart VA?

Smart VA is a package that includes the PHMRC shortened (SmartVA) questionnaire, the ODK suite for data collection, and the SmartVA-Analyze software for computer certification of VA. SmartVA takes VA interview data (data collected electronically using the PHMRC instrument on the ODK Collect system on Android devices) and produces cause of death estimates at the individual and population levels. The IHME³ Tariff 2.0 Verbal Autopsy cause of death assignment system is designed and validated with the PHMRC Gold Standard VA database, which is collected as part of the PHMRC Gold Standard VA Validation Study.⁴

² For more information see http://www.healthdata.org/population-health-metrics-research-consortium-phmrc

³ Institute for Health Metrics and Evaluation

⁴ For more information see http://pophealthmetrics.biomedcentral.com/articles/10.1186/1478-7954-9-27

1 Roles and responsibilities of the VA interviewer

1.1 Overview of activities and tasks

As an interviewer for verbal autopsy (VA), you will represent your country/city/region to members of the households in your assignment area. You will be conducting VA interviews with bereaved families.

As an interviewer, you will:

- Meet with your supervisor to receive a report on the deaths which have occurred in your assigned areas
- Visit the bereaved families to plan dates for conducting interviews
- Conduct VA interviews with members of the bereaved families on appointed dates, and complete appropriate VA forms accurately
- Send or upload completed interviews for analysis
- Report your progress and any issues to your supervisor.

1.2 Ethical training

You will be completing an Ethical Training Module during your training. This will review basic concepts in data collection, such as confidentiality, informed consent, and falsification of data. This is to ensure that you are aware of the sensitivity of this issue and the importance of confidentiality and **informed consent**. This is extremely important. Before starting any interview, you must read the consent form to the participant and obtain his/her informed consent. A standard consent form is given in the tablet. In some countries, when conducting VA as part of routine data collection, formal consent may not be required. VA interviewers must still ensure that the respondent understands the purpose of the interview and agrees to it.

1.3 Confidentiality

It is very important that the VA information you obtain remains strictly **confidential**. You are not permitted to discuss it, gossip about it, or show your records to anyone who is not an authorized officer in the surveillance system.

1.4 Falsification of data

Your job will not always be easy. There may be times when your progress is poor, even though you want to do a good job and keep on schedule. However, you must not submit falsified work to your supervisor under any circumstances. The data will be of no value if they are not accurate. For that reason, there will be numerous quality assurance checks on data. If you are having difficulty

completing VAs for any reason, please discuss this with your supervisor. Falsification of VAs is considered a serious matter which might lead to dismissal or official/legal action.

1.5 Sensitivity training

Material in the VA Interview can be very sensitive, so it is important you are sensitive to the family members who you interview. This should be covered in the training you receive for VA.

2 Administrative issues and general instructions

2.1 Materials you will need

Interviewers are provided the materials listed below to help perform their duties. You are required to keep these materials with you at all times when you are working in the field. Completed VA forms should always be returned to the study office by the interviewer.

Check and make sure you have the following materials:

- VA interviewer self-assessment checklist
- VA general information/locator information (location of the family of the deceased)
- Informed consent letter or information sheet
- Tablet with installed Open Data Kit (ODK) Collect and Population Health Metrics Research Consortium (PHMRC) shortened (SmartVA) questionnaire (fully charged and working) or paper version of the questionnaire
- A historic calendar of events specific to the country involved
- Pencils or pens for writing, and erasers
- Bag for carrying forms and other materials.

Check these materials when you receive them. If anything is missing or defective, notify your supervisor immediately.

2.2 How are VA cases selected?

VA cases will be selected from the surveillance system, health facilities, or other sources as appropriate to your assignment area. You will discuss with your supervisor the VA interviews to be conducted and you will administer the VA interviews to the families of the deceased.

2.3 Responding to questions regarding benefits or payment

Remember, there is no payment for participating in a VA interview. This is explained in the consent form. You can explain that information obtained from this interview can help identify causes of death, and that this helps with improving public health and designing better care policy for the country. This information can be used to help prevent deaths like this from occurring in the future.

2.4 Supervisor review of your work

Your supervisor will review your self-assessment checklist with you to check your work. There may be other methods of assessment as per country protocols.

3 Selecting respondents

3.1 Gaining the trust and cooperation of households

To obtain complete and accurate data, you need the cooperation of the household, and this requires gaining their trust and confidence. You can do this by making a good impression, and by conducting yourself in a professional yet friendly manner. Your appearance is very important.

Be professional

Remember, you are a professional, and a part of an important national program. You should be well-groomed and your clothes should be neat, clean, and appropriate for conducting a professional interview. In addition, you should address **VA respondents** in a friendly but professional manner.

Understand your role

You should be able to answer any questions that household respondents may ask about the purpose of the VA. If you cannot, refer people to a supervisor. You should be able to explain why the VA interview is being conducted in their area. You must assure participants that their responses will be highly confidential and that no information will be released to any person outside the program.

3.2 How to select the best respondent

The respondent is the main person who will provide information about the deceased. He or she should be the one who was with (and cared for) the deceased during their illness. The head of the household or their spouse is often the preferred respondent. For deaths of infants and children, the mother is almost always the best respondent. If these people are unavailable when you first visit the household, try to make an appointment to return when they will be at home. If they are away from the area or will not be available for some time, then you should ask to speak to the eldest family member or relative who is at home (he/she should be at least 18 years of age). If this is not possible, then you should ask for the eldest non-relative who is a permanent member of the household (again, 18 years of age or older).

Acceptable respondents, in order of preference, are as follows:

- 1. Head of the household, or that person's spouse
- 2. Either parent (preferably the mother) in case of a child's death
- 3. Eldest family member or close relative of the deceased (at least 18 years of age)
- 4. Eldest non-relative permanent resident of the deceased person's household (at least 18 years of age).

3.3 How to approach the respondent

Always have a positive approach. Do not use such phrases as: "Are you too busy?" or "Would you spare 15 to 30 minutes?" Such questions invite refusal before you start. Instead, begin by restating sympathy or condolences for the death and say to the respondent: "I would like to ask you a few questions" or "I would like to talk with you for a few minutes". However, if a respondent insists that she or he does not wish to talk to you, do not argue. Instead, if there is no one else available in that household who can talk to you, ask the person for another day or time when she or he would be available to participate in the interview. Answer any questions from the respondent honestly and to the best of your knowledge. Before agreeing to be interviewed, the respondent may ask questions about the survey and why he/she should participate. Be direct and clear when you respond.

3.4 Selecting an environment for the interview

It is best to conduct the interview in a private location where you and the respondent can be alone. However, it is expected that you will encounter other family members who will be present during the interview. In cases where complete privacy is not possible, try to limit the number of other people present.

3.5 How to handle difficult respondents

There may be times when a respondent does not want to participate or may get angry during the interview. When necessary, stress the confidentiality of responses. If a respondent hesitates to cooperate because of confidentiality concerns, you should provide appropriate assurances and a complete explanation. For example, explain that no individual names will be used for any purpose and that the information from all interviews will be combined. If the respondent is still upset, then you can:

- Take a moment to talk with the respondent and try to answer any questions that might be upsetting him/her
- Schedule a time to come back and finish the interview.

3.6 How to handle multiple respondents

In some cases, you may encounter more than one respondent. For example, the husband of a household might not let the mother of the child talk to you alone. Or, a mother-in-law might request

to be present. Or, in some instances, having a visitor at the household can attract many other unwanted people to observe the interview.

In these cases, it is important to stress to the main respondent the importance of confidentiality and privacy of the interview. You can:

- Try suggesting moving to a different location
- Ask some of the other people to leave and come back once the interview is finished
- Schedule a time to come back and finish the interview.

3.7 What to do if all potential respondents cannot be found or refuse to be interviewed

If an acceptable respondent as defined above cannot be found, you may ask other members at the house, or a neighbour, when you might be able to find other family members at home. Leave a message at the home saying that you plan to return at another other time, when an appropriate person is likely to be at home. Note this return date in your notebook or mortality register.

You are strongly encouraged to make at least three **callback** attempts at every household where you failed to get an appropriate respondent. Always inform your supervisor when you have problems conducting an interview. If, after three attempts, you have not been able to locate an acceptable respondent at the house, then you should leave the household without conducting a VA interview. Partially completed verbal autopsies are not acceptable. Inappropriate respondents are not acceptable.

3.8 A respondent says a VA has already been done

If a VA has already been done, you should ask the respondent some questions to find out who conducted the interview. If the interview was conducted and completed as part of routine VA activities then you do not have to conduct the interview again. If the interview was conducted as part of another project, you should check with your supervisor before asking the respondent to participate.

3.9 Frequently asked questions and complaints

Below are some common questions which might be asked. Suggested answers are below each question but VA interviewers are encouraged to adapt these to the circumstances.

Q. Who will benefit from this interview?

A. The data collected on households and the deaths which occur in these households can be used by governments and other organizations for planning, policymaking, and healthcare purposes. Nongovernmental organizations, academic institutions, and research institutions can also use the results to guide programs and policies for the population.

Q. This program is a waste of time and money

A. The program is being conducted using the most cost-effective measures possible, in order to get the maximum return in terms of data quality. Without this information, policymakers cannot plan and adopt appropriate policies that will benefit their citizens. The data will be used to calculate death rates by cause of death, sex, and age. Researchers will use the data to calculate more accurate and timely mortality data, and it is only with the cooperation of individuals like you that the interview will be effective.

Q. I don't have time to do this

A. The VA interview is comprised of only a few questions on the circumstances leading to the death of your family member. Every effort has been made to minimize the time and information required and to reduce any inconvenience. Your responses are crucial in collection of accurate information about death rates and causes of death.

Q. How do I know that the information I give will be confidential?

A. As a VA interviewer, I am forbidden to share any information that is collected. All employees of the central office are required to keep all information which is provided to them in confidence. Your information will be added to that from all the other areas, and data will only be released based on the country as a whole. This protects the information about the deceased and the identity of the bereaved household members.

4 Administering the questionnaire

4.1 Introducing yourself

The introduction is very important. This is a very sensitive time for the family, so it is important that the interviewer is polite and sensitive. Here is an example of how to introduce yourself:

My name is [your name]. I am an interviewer with the [name of your organization]. I have been informed that a death has occurred in your household. I am very sorry to hear that a member of your household has passed away. Please accept my sympathies. For the purpose of improving health care, we are collecting information on all recent deaths in this area. I would like to talk to you and ask you some questions about the events and any symptoms that [the deceased's name] had during her/his illness before death.

4.2 Building a relationship with respondents

This is a difficult time for the respondent and the family, so it is important that you try to build a relationship with her or him before you discuss the case of the deceased. For example, if culturally appropriate, you may ask the respondent what work she or he does, or enquire about the respondent's family. Then explain the purpose of your visit and try to answer any questions that the respondent may have about the program or interview.

Maintaining eye contact

If culturally appropriate, and to establish a good rapport with the respondent, look at them when administering the interview, when you are not entering information on the tablet or paper form. Remember, this is a difficult time for the respondent and they must feel comfortable with you if they are to complete the interview.

4.3 How to read questions

Read each question in full and exactly how it is written on the instrument. It is important that you read the question slowly and clearly so that the respondent understands. For multiple choice questions, read each possible answer slowly and carefully.

4.4 How to get adequate answers

Allow the respondent to answer the question as best as he/she can. Most of the questions are closed-ended, which means there is usually only one answer that can be given. There are some

questions where the respondent may give multiple responses. For these questions, before you record the answer, allow the respondent to hear all the possible answers and think about the question before recording their answer.

Probing

If the respondent does not know the answer to a question, or looks uncomfortable with the question, you can try "probing" to get an answer. This means asking other questions related to the subject material to try to help the respondent remember certain events. For example, if the respondent cannot remember who delivered the baby in the home, you might try "probing" by asking "who was in the room at the time of delivery?" Use your judgement when probing. Remember, this is a very sensitive time for the respondent and we do not want to upset them further.

4.5 Skip patterns and special sections

There are many skip patterns throughout the questionnaire. The tablet will skip to the relevant section/question automatically. For example, the Adolescent and Adult Age-Specific Module has a special section on women's health, for female deaths only. If using a paper format, you will need to follow the instructions on the paper form in order to manually conduct these skips.

4.6 General instructions for completing VA questionnaires

- 1. Read all questions exactly as they are written. This will help ensure that all respondents are asked questions in the same way.
- 2. Some questions include several words in brackets, for example "...[his/her]..." or "[Do you/Does <NAME's > mother]..." Read either the words before or after the slash, depending on which words best suit the current interview.
- 3. Some questions allow more than one answer. These responses are preceded by check boxes (check boxes (□) are rectangular, and multiple boxes may be checked). Touching on the check box will mark the box with × or ✓. Follow the instructions with each question that tell you whether to read the possible answers to the respondent. Instructions in the questionnaire appear in *italics*.
- 4. Most questions require you to record only one response. This response is preceded by a radio button (a radio button (O) is a circular hollow symbol which gets filled up on being touched and allows only one response).
- 5. Record dates in the spaces provided.

Note: When using a tablet, the date of birth and date of death will be recorded using an interactive calendar.

- a. dd = day of the month (if less than "10", then the first digit is "0")
- b. mm = month of the year (January = 1, February = 2, March = 3, April = 4,

 May = 5, June = 6, July = 7, August = 8, September = 9, October = 10,

 November = 11 and December = 12
- c. yyyy = the year (for example, "yyyy" for 2006 is "2006")
- 6. Record months, days, hours, and minutes, using the following:
 - a. 1 month = 28 days
 - b. 1 day = 24 hours
 - c. < 24 hours = 00
- 7. Some answers request more specific information (for example, "other (specify) ______".

 Record the respondent's answer (for example, "health centre" or "daughter").

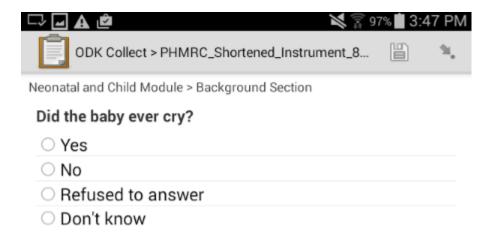
Respondents may tend to give answers that they think will please the interviewer. It is therefore very important that you remain absolutely neutral towards the responses during the interview. Do not allow the tone of your voice or your facial expression to show any surprise at, or approval or disapproval of, the respondent's answers.

4.7 General instructions on tablet use

General instructions

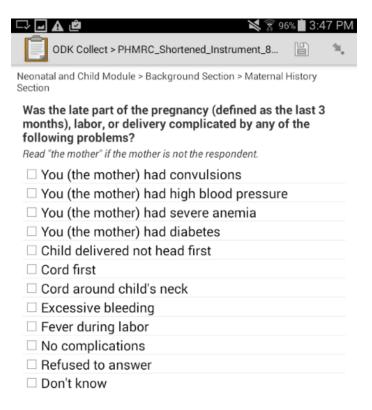
- The PHMRC Shortened (SmartVA) questionnaire consists of a general module followed by age-specific modules either for neonate (0–28 days), child (29 days to 11 years), or an adolescent/adult (≥12 years) death
- The questionnaire includes filter questions with automatic skips to an appropriate question
- A response to a question may consist of text fields, radio buttons, check boxes or date fields,
 or a combination of these
- The response categories of many questions are a mix of "Yes", "No", "Refused to answer", and "Don't know". Each of these categories/responses is preceded by a radio button, a circular symbol that only allows selection of one category from the list (Figure 1).

Figure 1 Example of a yes/no question in ODK



Some questions allow multiple response categories to be selected, and each of these
categories is preceded by a check box. These check boxes are rectangular and allow checking
one or more categories by touching the boxes (Figure 2).

Figure 2 Example of a multiple response question in ODK



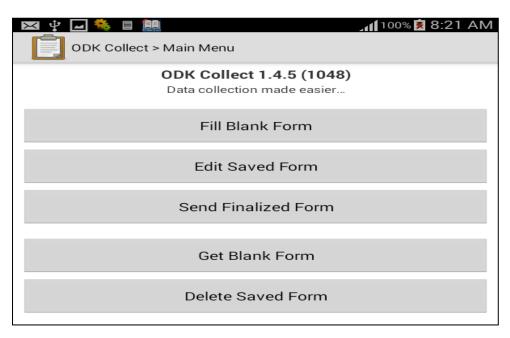
- Swipe the screen of the tablet right-to-left to continue data entry on the next page or left-toright to check data entered on the previous page
- Most often, working with the questionnaire on the tablet will require marking a radio or check box, or entering text, to navigate the screen or move from question to question

- If you try to move to the next question without selecting an option you will see a message on the screen: "Sorry, this response is required"
- There are a few questions which will allow you to proceed without making any response
- Sometimes checking boxes/filling the radio button will create a space on the next page to enter or write the appropriate response
 - o Touching the space will provide a temporary keyboard for entering the answers
- The tablet has in-built instructions, so will select questions/VA modules automatically, based on previous answers.

Step-by-step instructions

- 1. Start the tablet (Tab) by pressing the start button (Top-Right). After about a minute the Tab will turn on
- 2. If necessary, press the home button of the Tab to go to the home screen. Touch the application button
- 3. Touch the "ODK Collect" icon on the Tab home screen (Figure 3). On touching the icon, the Tab will show a screen with five options; "Fill Blank Form", "Edit Saved Form", "Send Finalized Form", "Get Blank Form" and "Delete Saved Form"

Figure 3 ODK VAQ collection menu



4. Touch the "Fill Blank Form" button on the ODK Collect software screen to open the form

- 5. Touch the form named "SmartVA_Month_yyyy" to start a VA interview. Read the on-screen information about the questions before beginning to enter responses
- 6. Swipe the screen right-to-left and continue the interview
- 7. When the respondent agrees to continue the interview, read and follow the screen instructions carefully. More information on filling out structured questions and open response questions is provided in the interviewer manual. At the end of each age-specific module, a screen will appear for checking off pre-selected keywords from a list while listening to the respondent's open-ended responses.

Completing open-ended responses

The PHMRC shortened VA Questionnaire includes an open-ended question, in which the respondent can explain, in his/her own words, the sequence of events that led to the death. In this section, the interviewer needs to listen carefully to the informant, and register if he/she mentions some specific words or categories. When entering the open-ended question, the following instructions will appear:

Say to the respondent: "Thank you for the patient responses to this exhaustive set of questions. Could you please summarize, or tell us in your own words, any additional information about the illness and/or death of your loved one?"

To the interviewer: Listen to what the respondent tells you in his/her own words. Do not prompt except for asking whether there was anything else after the respondent finishes. If the respondent mentions any of the following words, mark "mentioned". Tell the respondent to stop and start again if they mention a word of interest, so you have time to mark it down. Follow the interactive screen message and ask the respondent to answer each question as appropriate.

General points:

- The open-ended response screen contains a list of pre-determined categories, each preceded by a check box, and these allow multiple answers
- Consult with local people and health professionals and make a dictionary of locally used synonyms of these categories for training local VA interview staff
- Select the categories by touching the boxes (a tick will appear)
- At the end, a screen will pop up asking for a file name
- Save and exit the screen to finish the work or start a new VA interview
- When you get to the end of the interview, you will need to save the completed VA form for that death.

⁵ Different countries may have their own naming conventions and versions of the SmartVA questionnaire.

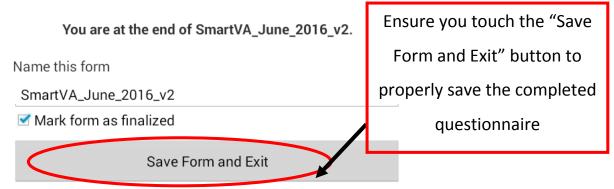
Saving the work and editing a VA

Incorrect entries can be edited by going back to the previous page (swiping left-to-right). After the form has been completed, edits can be made by clicking "Edit Saved Form".

At the end of each interview, a screen like that shown in Figure 4 will pop up.

- By default, the tablet will show the relevant country SmartVA questionnaire form name.
- o Touch the button "Save Form and Exit" to finish the interview.

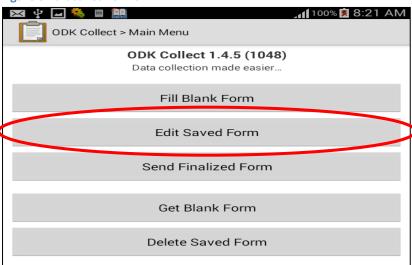
Figure 4 Save and exit screen at the end of ODK VAQ



Data editing

You can see and edit the completed VA by selecting the "Edit Saved Form" button from the main menu in the ODK Collect software (see Figure 5).

Figure 5 Edit saved forms



- Step 1: After touching the "Edit Saved Form" button you will see a list of VA form names
 - o Touch one form and open it to see the data

- You can see the entire questionnaire by scrolling up/down.
- Step 2: For editing, touch the desired question to open the question in a full screen, then correct the answer and press the "Save" icon at the top-right corner in the Tab.
 - It will save the changed data and you can come back to the entire questionnaire by touching the "down-arrow" icon at the top-right corner of the Tab.
 - You can edit multiple questions by swiping left/right.
- Step 3: When finished, touch the "Save" icon on the Tab. Alternatively, when you reach the last question you can touch the "Save Form and Exit" button.

Data saving step by step

It is possible to save the VA form either after completing the VA or after completing any question by clicking "Save Changes" in the dialog box.

- For a new interview, you can save the form by touching the button "Save Form and Exit" at the last section of the questionnaire
- To save individual questions you can touch the "Save" icon at the top-right corner of the Tab
- After completing any question from the VA questionnaire, you can press the back button and select "Save Changes" from the dialog box.

Submitting interview data

Save the data and exit the screen by touching the screen button. Data are automatically saved in the folder "Instances".

Starting a new interview

Go to the ODK icon from the home screen and click on "Fill Blank Form" to start a new interview.

Data transfer and uploading

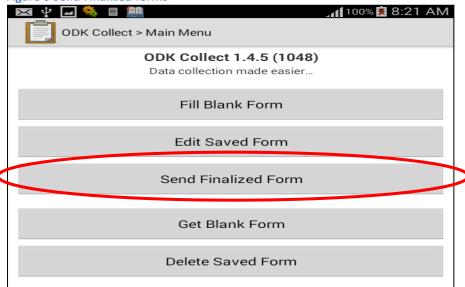
Once the VAs have been collected, it is necessary to upload the information to a database for further analysis using the SmartVA desktop application.⁶

There are two methods of data transfer, online (through the wi-fi or cell network) or offline (by uploading data to a computer). The VA interviewer needs to be told the method of data transfer in advance.

⁶ The instructions in this manual relate to the role of the VA interviewer. The technical instructions for data transfer using online and offline methods and data management are included in the SmartVA Technical Manual.

If using online methods, once the VA interview is completed and saved, the VA interviewer should select the interview on the tablet and press "Send Finalized Form" (see Figure 6). The relevant VA interviews can be selected and sent to a remote central server.

Figure 6 Send Finalized forms



If using offline methods, the VA interviewer needs to take the tablet to the relevant centre. By connecting the tablet to a computer by USB cable, the VA information can be saved to the computer and then uploaded to the remote server (if internet available) or analysed locally.

5 Instructions for the General Information Module

The General Information Module, referred to the as General Module, will be completed for all VA interviews and collects administrative information on the deceased and the respondent. This section will be modified based on the administrative information needed by different countries. The General Module includes questions on:

- Consent (if required)
- Questions about the deceased
- Information about the respondent
- Questions on the notification and registration of death. (Sometimes these questions will be included in the other sections of the General Module).

Some of the questions about the deceased (for instance the address) can be obtained from surveillance data or the local reporting system. These questions may be completed before going into the field to conduct the interview and should be checked during the VA Interview. Once the General Module is completed, the tablet will automatically skip to the appropriate age group-specific VA module.

Instructions to interviewer: Introduce yourself and explain the purpose of your visit. Ask to speak to the mother or to another adult who was the deceased's main caretaker during the illness that led to death. If this is not possible, arrange a time to revisit the household when the caretaker will be home. Below is an example of an introduction but you should follow the local protocol for this introduction to the family:

"My name is [your name]. I am an interviewer with the [name of your organization]. I have been informed that a death has occurred in your household. I am very sorry to hear that a member of your household has passed away. Please accept my sympathies. For the purpose of improving health care, we are collecting information on all recent deaths in this area. I would like to talk to you and ask you some questions about the events and any symptoms that [the deceased's name] had during her/his illness before death."

Section 1: Consent

Instructions to the interviewer: Read the consent form to the respondent. Ask the respondent if he or she has any questions. Once any questions are answered, ask the respondent if he or she is willing to take part in the interview.

Did respondent give consent?
O Yes
O No
Please note, this section may not be required in all countries. Instead the tablet will ask the question
"Continue with Interview?"
If answer is "Yes", tablet skips to Section 2: Questions on the deceased.
If answer is "No", a screen appears instructing the interviewer to thank the respondent for their
time and end the interview.
Section 2: Questions on the deceased
A number of questions about the deceased will be asked. The exact ordering and values to be
entered will vary according to the administrative requirements of the country. They include:
What is the VA ID number?
At the beginning of interview, assign an identification number for the deceased using local standard
You may be required to enter the ID into the tablet. In some cases, this ID is generated automatical
from other data included in the General Module.
What was the name of the deceased?
Type the name of the deceased using the pop-up keyboard. There may be just one field or there ma
be space for a surname, first name and middle/other name. In some instances, like an infant less
than one month old, a name might not have been assigned. In this case, you can record "Baby".
What was the location of the deceased?
Type the location of the deceased using the pop-up keyboard. There may be several fields to record
the different administrative levels (for instance, village, district, province) according to the
convention of the country.

What was the sex of the deceased?

Sex should be carefully recorded since different questions will be asked of women and men, and
causes of death may also be different. This question refers to the sex of the individual as born, and
not gender (for example, someone may choose to identify as a member of the opposite sex to which
they were born or to a third category which is neither male nor female). Click the radio button to
mark the answer that corresponds to the sex of the deceased. MARK ONLY ONE OPTION. For
example, touch the radio button for "Male" if the deceased was born a boy. Similarly touch the
button for "Female" if the deceased was born a girl.
O Male
O Female
O Don't Know
O Refused to answer
Do you know the date of birth of the deceased?
Record if the respondent knows the date of birth of the deceased.
O Yes
O No
If yes, a pop-up calendar will appear to record the date of birth (day, month and year).
Do you know the date of death of the deceased?
O Yes
O No
If yes, a pop-up calendar will appear to record the date of death (day, month and year).
What was the last known age of the deceased?
This question will only be asked if the date of birth and/or the date of death is unknown, otherwise is
will be automatically calculated.
If less than 24 hours, enter 00 days. Enter age in days up to 28 days. Enter 29 days as 1 month. From
1–11 months, enter age in months. Enter 12 months as 1 year. From 1 year, enter age in years.
For unknown enter 99.

O Years (enter on next page)

O Months (enter on next page)
O Days (enter on next page)
O Refused to answer
O Don't know
O Years – if one year or older:
O Months – if less than one year:
O Days – if less than one month:
If neither the deceased's date of birth nor age is known, you can ask the respondent if she or he can remember any historical event (in the village, district, region, nation, world) that can be related to the year the deceased was born. Use the historical calendar of events to guide you on the approximate age of the deceased person.
What age group does the deceased's last known age fall into?
This question will only be asked if the respondent does not know the date of birth and/or date of death and they do not know the age of the deceased. Mark the radio button below to record the deceased's age category. O 28 days or less O 29 days to 11 years O 12 years and older O Refused to answer O Don't know
If the radio button for age and age group are both marked "Don't know" and "Refused to answer a pop-up screen will appear asking the interviewer to thank the respondent for their time and entitle interview. Age of the deceased is required to direct the interviewer to the appropriate agerelated module.
Where did the deceased die?

Mark the	appropriate box that corresponds to the place where the death occurred. This is the place
where it	was first noted that the person was dead (not moving, not breathing). Differentiate between
death at	a "hospital" (that is, health institution with in-patient facilities) versus "other health facility"
(dispense	aries, health centres or private clinics, where patients are seen on out-patient basis).
Marking	the button "other" will provide space on the next page to write place of death using a pop-
up keybo	pard.
O F	Hospital
0 0	Other health facility
0 0	On route to the hospital or other health facility
O F	Home
0 0	Other (specify)
O F	Refuse to answer
0 [Don't Know
	3: Information on the respondent questions will be asked about the respondent and these will vary by country. They may
What	: is your [the respondent's] name?
What	is the sex of the respondent?
0 1	Male
O F	-emale
What	is your [the respondent's] relationship to the deceased?
Mark the	e appropriate box that corresponds with the relationship of the respondent to the deceased.
_	Mother
_	Father
_	Grandmother Grandfather
_	arandtatner Aunt
_	Jncle
	Husband

Record the registration number
Day of the month: Enter Day between 1 and 31. Enter 99 if unknown
Month:Enter Jour digit years. Enter 9999 if unknown
Year: Enter four digit years. Enter 9999 if unknown
If yes to the above question, follow the Tab instruction and enter the year, month and days.
Record the date of registration
O Don't know
O Refused to answer
O No
O Yes
office. Please note, this question may not be applicable for all countries.
Ask the respondent where the details of the deceased have been registered with the local registry
Has this death been registered?
additional questions (like the name of the deceased's father or mother) may be asked.
of the General Module (for example, in Section 2: Questions on the deceased). In some countries,
This section asks questions about the registration and notification of death. This section is not included for all countries. The questions may vary and some may also be included in other sections.
Section 4: Questions on the registration and notification of death
☐ Other female (specify)
Other male (specify)
☐ Birth attendant (type)
☐ Brother☐ Sister
☐ Wife

Touch the space and if available enter the number using the pop-up keyboard.

Has this death been notified?		
Please note, this question may not be applicable for all countries.		
O Yes		
O No		
O Don't know		
Record notification number		
If answer is yes (notified), please record the notification number in the space provided.		
Did the decedent have a National ID number?		
Please note, this question may not be applicable for all countries		
O Yes		
O No		
O Too young for a National ID number		
O Not relevant		
O Refused to answer		
O Don't know		
If "Too young for a National ID number" is checked, tablet will skip to the question asking about parent's ID.		
Record the National ID number		
If the deceased had a National ID number, please enter the ID number in the space provided.		
Does one of the parents have a National ID number?		

Ask the respondent whether any of the parents of the deceased have a national ID card. Mark one

radio button only.

	Yes		
0	No		
0	Refused to answer		
0	Don't know		
If "No"	, "Refused to answer" or "Don't know", tablet will go to specific age group VA module.		
Which	Which parent will we record?		
If eithe	r of the parents has an ID card, ask which parents' ID number will be recorded. Mother Father		
0	Mother		

If deceased was 28 days old or less, tablet will skip to Neonate VA Module

If deceased was 29 days to 11 years old, tablet will skip to Child VA Module

If deceased was 12 years or older, tablet will skip to Adolescent and Adult VA Module

END OF GENERAL MODULE

MOVE TO AGE-SPECIFIC MODULE

6 Instructions for the Neonatal and Stillbirth Age-Specific Module

Note to interviewer: This neonatal module is for stillbirths and decedents who were 0–28 days old at the time of death. The questions in this module include:

- Background
- Maternal history
- Neonatal death
- Health Records
- Open-ended response (7 keywords checklist).

The tablet will automatically select this module when the age of the decedent falls in this category (0–28 days inclusive). The tablet will skip sections of questions or individual questions automatically when it is logically required.

Section 1: Background

1.1	Is the mother still alive?		
If the mother is not present at the interview, ask if the mother of the deceased child is still alive.			
O Yes			
O No			
1.2	What was the weight of the deceased at birth?		

Low birth weight is an important factor associated with increased risk of neonatal death. If the birth weight of the deceased baby is available/known, please record, and mark ONLY ONE BUTTON.

Marking either the button for "grams" or "kilograms" will provide space on the next page to enter the birth weight.

0	Grams (enter on next page). Enter 9999 if unknown
0	Kilograms (enter on next page). Enter 999 if unknown
0	Refused to answer

O Don't know

If the weight of the deceased at birth is known, tablet will skip to question 1.4.

1.3	At the time of the delivery, what was the size of the deceased?	
Daniel La Grant a surt of the		
	e question and then slowly read the first four alternatives. Demonstrate the n) to the respondent so that they can understand and remember the size of	
	ndent should hear all four alternatives before giving her answer. We want to	
	mall or large because both can indicate problems.	
O Very small		
O Smaller than usu	ual	
O About average		
O Larger than usua	al	
O Refused to answ	ver	
O Don't know		
1.4	Was the baby born alive or dead?	
O Alive		
O Dead		
O Refused to answ	ver	
O Don't know		
1.5	Did the baby ever cry?	
This question will help us understand if the infant was stillborn.		
O Yes		
O No		
O Refused to answ	ver	

Did the baby ever move?

O Don't know

1.6

This question will help us understand if the injunt was stillborn.					
0	Yes				
0	No				
0	Refused to answer				
0	Don't know				
1.7		Did the baby ever breathe?			
This qu	estion will help us	s understand if the infant was stillborn.			
0	Yes				
0	No				
0	Refused to answ	ver			
0	Don't know				
Instructions to the interviewer: The tablet will review answers to questions 1.5, 1.6 and 1.7. If all					
three responses are "yes" or "Refused to answer" or "Don't know", a screen will appear on the next					
page saying, "Because the baby was too old or because the baby either cried, moved, or breathed,					

This question will be less and entered if the inference stille and

If all three responses are "No" and the age is "0" then a screen will appear on the next the page saying, "Because the baby never cried, moved or breathed, this was a stillbirth".

If the answer to questions 1.5, 1.6 and 1.7 are "No" but the age of the child is greater than 0, a screen will appear on the next page saying 'Ask the relative whether the baby survived for more than 24 hours'. If the answer is "Yes" a screen will appear on the next page saying "Because the baby was too old or because the baby either cried, moved, or breathed, this was not a still birth". If the answer is "No" then a screen will appear on the next the page saying, "Because the baby never cried, moved or breathed, this was a stillbirth". In this latter situation, the Interviewer should go back to the General Module and change the age to '00'.

For live birth, tablet will skip to question 1.12.

this was not a still birth".

1.8		Were there any bruises or signs of injury on the baby's body at birth?
Birth in	njury means an in	jury that occurred during birth, such as a large bruise or a broken bone.
	Yes	
0	No	
0	Refused to ansv	ver
0	Don't know	
1.9		Was the baby's body (skin and tissue) pulpy?
		means the skin was very soft and might even come off when touched. This has been dead inside the mother for some time.
0	Yes	
0	No	
0	Refused to ansv	ver
0	Don't know	
1.10		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)
This me	eans that one or	more body parts were not shaped normally; for example, the back or lip was
open, c	or a limb was not	shaped normally.
0	Yes	
0	No	
0	Refused to ansv	ver
0	Don't know	

If "No" or "Refused to answer", or "Don't Know", tablet will skip to Section 4: Health Records.

1.11	What were the abnormalities?

$We \ ask \ this \ to \ try \ to \ identify \ why \ the \ baby \ might \ have \ become \ sick. \ Read \ the \ possible \ answers \ slowly$						
one by one. If approp	riate, show the photos on screen so that they can understand and recognize the					
abnormalities. MARK ALL THAT APPLY (multiple selections possible). Marking the button for "Other"						
will provide a space on the next page for writing the types of abnormalities if they are not already						
listed.						
☐ Head size ver	Head size very small at time of birth					
☐ Head size ver	Head size very large at time of birth					
☐ Mass defect o	Mass defect on the back of head or spine					
Other (Specif	Other (Specify)					
☐ Refused to ar	Refused to answer					
☐ Do not know						
After completing question 1.11 for stillbirth, tablet will skip to Section 4: Health Records.						
1.12	How old was the baby/child when the fatal illness started?					
Marking the button fo	or "Days" will provide space on the next page for writing the age in days (up to					
28 days). Note: Since	this is a neonatal death you should not click on "Months". For ages less than					
24 hours, record 00.						
O Days (enter o	n next page). Enter 99 if unknown					
O Months (ente	er on next page). Enter 99 if unknown					
O Refused to an	nswer					
O Don't know						
1.13	How long did the illness last?					
Record how long the illness lasted. When you click on the "Days" button, a page will appear, with a						
keyboard to type the number of days. Record 00 if less than 24 hours or enter the numbers of days if						
duration is 28 days or less. Note: Since this is a neonatal death, do not use the "Months" button.						
O Days (enter o	n next page). Enter 99 if unknown					
O Months (ente	O Months (enter on next page). Enter 99 if unknown					
O Refused to an	Refused to answer					

Section 2: Maternal history

2.1	Was the late part of the pregnancy (defined as the last 3 months), labor, or			
2.1	delivery complicated by any of the following problems?			
We ask this because if any of pregnancy, labour or delivery were complicated, this factor that may have contributed to the stillbirth or neonatal death. Read each complicated to the Stillbirth or neonatal death. Read each complicated to the Stillbirth or neonatal death.		very were complicated, this would be a risk tal death. Read each complication and MARK mother" if the mother is not the respondent. Cord around child's neck Excessive bleeding Fever during labor No complications Refused to answer		
☐ Cord delivered first				
2.2	Was the baby moving in the last fe	w days before the birth?		
Reduced movements followed by complete absence of movement, particularly in the days to hours before the delivery, may be a sign that death occurred prior to delivery. At a minimum, it is a warning sign that there may be a problem with the health of the fetus. Mothers are usually aware of such changes, and can recall and report this sign.				
O Yes				
O No				
O Refused to an	O Refused to answer			
O Don't know				
2.3	What was the color of the liquid w	nen the water broke?		

This qu	iestion addres	ses whether the baby was under stress	s wl	hilst still inside the mother, resulting in
the release of its feces into the amniotic fluid prior to birth. Marking the button "Other" will provide a				
space o	space on the next page to note the other colour if not listed here.			
0	O Green or brown			
0	Clear (norma	al)		
0	Other (speci	fy)		
0	Refused to a	nswer		
0	Don't know			
		<u> </u>		
2.4		How much time did the labor and de	elive	ery take?
		"Hours" will provide space to enter the		
	•	•		ons are no more than 10 minutes apart.
		s to calculate number of hours. If less to	nan	one nour, mark ou .
О Но	urs (enter on	next page). Enter 99 if unknown		
O Re	fused to answ	er		
O Do	n't know			
2.5		Who delivered the baby?		
Mark t	he appropriat	e box that corresponds to the person v	vho	was primarily responsible for
		"Self" would indicate that no attendan		
Markir	ng button "Oth	ner" will provide space on the next pag	e fo	or entering other people who are not
listed h	nere.			
0	Doctor		0	Traditional birth attendant
0	Nurse/midw	ife	0	Other (specify)
0	Relative		0	Refused to answer
0	Self (the mo	ther)	0	Don't know
_				
2.6		Was the delivery?		

	•	wers and mark the appropriate button that corresponds to the most accurate	
•		res that were conducted during the delivery. "Vaginal" means a vaginal	
deliver	y. "C-section" n	neans the woman had a surgical C-section (caesarean) performed.	
0	Vaginal with forceps		
0	Vaginal without forceps ('Normal delivery')		
0			
0			
0	Refused to answer		
0	Don't know		
Sectio	n 3: Neonatal	deaths	
3.1		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)	
() () () ()	Yes No Refused to an Don't know	w" or "Refused to answer", tablet will skip to question 3.3.	
3.2		What were the abnormalities? (Show photos)	
slowly recogn button	one by one. If a	identify why the baby might have become sick. Read the possible answers appropriate, show the photos on screen so that they can understand and alities. MARK ALL THAT APPLY (multiple selections possible). Marking the Il provide a space on the next page for writing the type of anomalies if they are	
	Head size ver	y small at time of birth	

	Head size ver	y large at time of birth	
	Mass defect on the back of head or neck		
	Other (Specify)		
	Refused to answer		
	Do not know		
3.3		Did the baby breathe immediately after birth?	
Norma	l breathing doe	es not include gasps or weak efforts to breathe.	
0	Yes		
0	No		
0	Refused to an	swer	
0	Don't know		
<i>If "No"</i> ,	, tablet will sk	Did the baby have difficulty breathing?	
"Difficu	ılt breathing" r	neans that the baby was working harder than normal to breathe.	
0	Yes		
0	No		
\circ			
0	Refused to an	swer	
0	Refused to an	swer	
_		swer	
_		Was anything done to try to help the baby breathe at birth?	
3.5	Don't know		
3.5 Ask wh	Don't know	Was anything done to try to help the baby breathe at birth?	
3.5 Ask wh	Don't know	Was anything done to try to help the baby breathe at birth?	

0	Don't know	
3.6		Did the baby cry immediately after birth?
Health	y babies cry im	nmediately after birth, so we want to know if the infant could cry at this time.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't know	
If "Yes	", tablet will s	kip to question 3.8.
3.7		How long after birth did the baby first cry?
If the b	aby did not cr	y immediately, we want to know how long it took the infant to cry.
0	Within 5 min	utes
0	Within 6–30	minutes
0	More than 30	O minutes
0	Never	
0	Refused to a	nswer
0	Don't know	
If "Nev	ver", tablet wil	ll skip to question 3.9.
3.8		Did the baby stop being able to cry?
•	crying" means e a severe illne	that the infant became unable to cry. We ask this because stopping crying might
0	Yes	
0	No	
\cap	Refused to a	nswer

0	Don't know	
3.9		Was the baby able to suckle in a normal way during the first day of life?
weakn	ess or letharg	d to enquire if there was a normal healthy effort at suckling, or if there was any y in the suckling effort. If the baby could not suckle, the VA interviewer should
clarify	if it was becau	use the baby was too sleepy.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't know	
If "Yes	", tablet will s	kip to question 3.11.
3.10	Did	the baby ever suckle in a normal way?
We wa life.	nt to know if	the baby ever suckled in a normal way, even if it was not during the first day of
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't know	
3.11		During the illness that led to death, did the baby have difficulty breathing?
		means that the baby was working harder than normal to breathe. The
		arify to the respondent descriptions of difficulty (in the questions below), and
_		hat this symptom is not missed.
0	Yes	
O	No	
0	Refused to a	nswer

If "No" or "Don't know" or "Refused to answer", tablet will skip to question 3.13.

2 12		For how many days did the difficult breathing last?
3.12		For how many days did the difficult breathing last?
Markin	na the "Davs" h	outton will provide space on the next page for entering duration in days. Enter
		y. Enter 9999 if unknown.
oo ij ie.		
0	Days (enter o	on next page). Enter 99 if unknown
0	Refused to an	nswer
0	Don't know	
3.13		During the illness that led to death, did the baby have fast breathing?
		the baby was breathing rapidly. Was there a change in the speed of breathing?
Was it	faster than the	e previous day? We ask this because it helps us know whether this problem was
part of	the illness tha	t led to death.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't know	
ıJ "N0"	or "Don't kno	ow" or "Refused to answer", tablet will skip to question 3.15.
3.14		For how many days did the fast breathing last?
We ask	k this because i	it helps us know whether this problem was part of the illness that led to death.
		outton will a provide space on the next page to enter the duration in days of the

fast breathing. Enter 00 if less than one day. Enter 99 if unknown.

O Days (enter on next page).

O Refused to answer

3.15		During the illness that led to death, did the baby have drawing-in of the chest?
		nest" means the lower part of the chest wall gets depressed during breathing, and usness of the disease. This is a sign of respiratory distress and indicates a severe
		now the illustration on the tablet.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't know	
3.16		During the illness that led to death, did the baby become cold to the touch?
due to the bab	exposure to co by is under bla Yes No Refused to a Don't know	
3.1/		At what age did the baby start feeling cold to touch?
	cold to touch.	"Days" will provide a space on the next page to write the age the baby started Record the age in days, or "00" if the age is less than one day. on next page). Enter 99 if unknown
0	Refused to a	

3.18		During the illness that led to death, did the baby become lethargic after a
		period of normal activity?
"Lethai	rgic" means the	e baby looks sleepy but can be woken up.
0	Yes	
0	No	
0	Refused to an	swer
0	Don't know	
3.19		During the illness that led to death, did the baby become unresponsive or
		unconscious?
		the infant could not respond to any stimuli such as light, sounds or touch. It
means	that the baby (could not be woken up.
0	Yes	
0	No	
0	Refused to an	swer
0	Don't know	
3.20		During the illness that led to death, did the baby have pus drainage from the
		umbilical cord stump?
"Pus" is	s thick, creamy	or yellowish liquid. This may be associated with redness around the stump.
0	Yes	
0	No	
0	Refused to an	iswer
0	Don't know	

3.21		During the illness that led to death, did the baby have any area(s) of skin with redness and swelling?
"Swelli	ng" means the	area was raised more than normal. Redness and swelling that are painful to
touch o	can indicate an	infection at a specific site on the body.
0	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	
3.22		During the illness that led to death, did he/she have yellow skin?
jaundio		f jaundice. If the baby has jaundice, the baby will also have yellow eyes. Mild ent in neonates, but does not often cause yellow skin.
0	Don't know	
3.23		Did the infant appear to be healthy and then just die suddenly?
It is rar	re but sometim	es an infant will seem to be healthy and then die suddenly.
0	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	

Section 4: Health Records

It is important, when asking questions in the Health Records section, that the information is obtained from records or directly from a worker who is part of the health system of the country and

who is qualified to of	fer medical advice (for example, a doctor, nurse or paramedic). The workers in	
this category may vary by country.		
4.1	Did a health care worker tell you the cause of death?	
"Health care worker"	means any professional who has formal medical training to work legally as part	
of the health workfor	ce in the country. Examples include MBBS doctors, nurses and paramedical	
staff.		
O Yes		
O No		
O Refused to ar	nswer	
O Don't know		
If "No" or "Don't kno	w" or "Refused to answer", tablet will skip to question 4.3.	
4.2	What did the health care worker say?	
Touching the space p	rovided will bring up a keyboard to type and record the response.	
4.3	Was care sought outside the home while the deceased had this illness?	
L		
This refers to a health	n centre, clinic or hospital. It also refers to health workers visiting the patient in	
their home.		
O Yes		
O No		

If "No" or "Don't know" or "Refused to answer" box is checked, tablet will skip to question 4.14.

O Refused to answer

4.4	Where or from whom did you seek care?		
Read out the possible	answers/lists slowly and one by one and MARK ALL THE CHECK BOXES THAT		
APPLY (multiple selec	tions possible). Mark "Refused to answer" or "Don't know" only if no other		
boxes can be checked	<i>1.</i>		
☐ Tradition	al healer		
☐ Homeopa	ath		
☐ Religious	leader		
☐ Governm	ent Hospital		
☐ Governm	ental health center or clinic		
☐ Private H	ospital		
☐ Commun	ity-based practitioner associated with health system		
☐ Trained b	☐ Trained birth attendant		
☐ Private p	☐ Private physician		
☐ Pharmac	Pharmacy, drug seller, store, market		
Other pro	Other provider		
\square Relative,	Relative, friend (outside household)		
☐ Refused t	☐ Refused to answer		
☐ Don't knd	DW .		
4.5	Record the name and address of the hospital, health center or clinic where		
	the care was sought		
Ask this question and	touch the space and write the name and address in the space using the pop-up		
keyboard.			
4.6	Do you have any health records that belonged to the deceased?		

It is important to know whether the child had health records, because more information concerning her/his illness can be extracted from the documents.

0	Yes
0	No
0	Refused to answer
0	Don't know
If "No"	or "Don't know" or "Refused to answer", tablet will skip to question 4.12.
4.7	Can I see the health records?
4.7	Can i see the health records?
0	Yes
0	No
0	Refused to answer
0	Don't know
If "No"	or "Refused to answer", tablet will skip to question 4.14.
If "Yes"	, and respondent allows you to see the records, transcribe all the entries.
Instruc	tion to the interviewer: If "Yes" to question 4.7, a screen with the question, "Are the dates
	for the most recent visits and the last note?" will appear on a new page, with the following
check b	
	Most recent visit date available
	Second most recent visit date available
	Date of the last note available
	Don't know
Please	read the records and mark all boxes that apply. Pages with spaces for entering the
inform	ation from the records will be appear sequentially.
Checkir	ng recent visit boxes results in pages with fields in which the dates and weight of the child can
be ente	

4.8	Record the date of most recent visits from the health record	
Year:	Enter four digit years. Enter 9999 if unknown	
Nonth:Enter Month (January = 1). Enter 99 if unknown		
	Enter Day between 1 and 31. Enter 99 if unknown	
4.9	Record the weight on the most recent visit from the health records	
Any change in weig	ht would be an important indicator of the child's health status prior to death.	
RECORD THE WEIGH	T in grams or kilograms.	
O Grams (ente	r on next pages)	
O Kilograms (e	nter on next pages)	
O Refused to a	nswer	
O Don't know		
4.10	Record the dates of the second most recent visit s from the health record	
Year:	Enter four digit years. Enter 9999 if unknown	
Month:	Enter Month (January = 1). Enter 99 if unknown	
Day of the month:	Enter Day between 1 and 31. Enter 99 if unknown	
	,	
4.11	Record the weight on second most recent visit dates from the health record	
Anv chanae in weia	ht would be an important indicator of the child's health status prior to death.	
, ,	T in grams or kilograms.	
O Grams (ente	r on next pages)	
O Kilograms (e	nter on next pages)	
O Refused to a	nswer	
O Don't know		

The date would reveal when the child was treated in the health facility. Year:Enter four digit years. Enter 9999 if unknown Month:Enter Month (January = 1). Enter 99 if unknown Day of the month:Enter Day between 1 and 31. Enter 99 if unknown 4.13	4.12	Record the date of the last note
Month:Enter Month (January = 1). Enter 99 if unknown Day of the month:Enter Day between 1 and 31. Enter 99 if unknown 4.13	The date	would reveal when the child was treated in the health facility.
Day of the month: Enter Day between 1 and 31. Enter 99 if unknown 4.13 Transcribe the note Record the main diagnosis 4.14 Was a death certificate issued? It is important to learn whether a death certificate was issued, because we can extract the cause of death from this record. O Yes O No O Refused to answer O Don't know If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.	Year:	Enter four digit years. Enter 9999 if unknown
4.13 Transcribe the note Record the main diagnosis 4.14 Was a death certificate issued? It is important to learn whether a death certificate was issued, because we can extract the cause of death from this record. O Yes O No O Refused to answer O Don't know If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.	Month: _	Enter Month (January = 1). Enter 99 if unknown
Record the main diagnosis 4.14	Day of th	e month: Enter Day between 1 and 31. Enter 99 if unknown
4.14 Was a death certificate issued? It is important to learn whether a death certificate was issued, because we can extract the cause of death from this record. O Yes O No O Refused to answer O Don't know If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.	4.13	Transcribe the note
It is important to learn whether a death certificate was issued, because we can extract the cause of death from this record. O Yes O No O Refused to answer O Don't know If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.	Record th	e main diagnosis
 death from this record. Yes No Refused to answer Don't know If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.	4.14	Was a death certificate issued?
4.15 Can I see the death certificate?	death fro	es o efused to answer on't know
	4.15	Can I see the death certificate?
It is important that you see the document if you are to extract the right information. O Yes O No O Refused to answer	O Y	es o

If "No" or "Don't know" or "Refuse to answer", go to Section 5: Open-ended response.

If "Yes", and respondent allows you to see the death certificate, transcribe all the entries.

f answers to question 4.14 and 4.15 are "yes", a screen will appear with the following check boxes:				
☐ Immediate cause of death				
☐ First under	☐ First underlying cause of death			
☐ Second und	derlying cause of death			
☐ Third unde	rlying cause of death			
☐ Contributir	ng cause of death			
☐ Don't know	ı			
check box ticked, sp pages. If there is or cause of death as a	on the certificate and mark all the boxes that apply (multiple responses). For each coace to enter the corresponding cause of death will be provided on subsequent ally one cause of death on the certificate, just check the first box and write the appropriate. If the order of the causes of death is not clear, or there are multiple one line, then enter one cause of death on each line.			
4.16	Record the immediate cause of death from the certificate			
•	ne list of causes of death on the certificate. Enter the first cause of death in the see provided. If there is only one cause of death, then check the first box and enter there.			
4.17	Record the first underlying cause of death from the certificate			
•	mediate cause of death in the list of causes of death on the certificate. Enter the se of death in the corresponding space provided.			
4.18	Record the second underlying cause of death from the certificate			

This follows the first underlying cause of death in the list of causes of death on the certificate. Enter the second underlying cause of death in the corresponding space provided.

4.19	Record the third underlying cause of death from the certificate
------	---

This follows the second underlying cause of death in the list of causes of death on the certificate. Enter the third underlying cause of death in the corresponding space provided.

4.20	Record the contributing cause(s) of death from the certificate	
------	--	--

This follows the third underlying cause of death in the list of causes of death on the certificate and is written under part II. Enter the contributing cause(s) of death in the corresponding space provided.

END OF HEALTH RECORDS SECTION GO TO SECTION 5

Section 5: Open-ended response and interviewer comments/observations

Section 5 is for recording open narrative. This information contributes to the process of diagnosing a most likely cause of death. As the tasks of writing and translating narratives on the tablet are time-consuming, SmartVA includes a checklist of six keywords (such as "asphyxia (lack of oxygen)" and "incubator") to use in open narrative, rather than having interviewers record an entire conversion. This checklist comprises a list of words. Any of these words mentioned by the respondent in describing the circumstances surrounding the death should be selected by the interviewer. There is no need to record the whole narrative. Instruction is given below on how to ask for additional information and how to endorse the keywords before starting the open narrative section.

Instructions to the interviewer: Say to the respondent: "Thank you for your responses to this set of questions. Could you please summarize, or tell us in your own words, any additional information about the illness and/or death of your loved one?"

To the interviewer: Listen to what the respondent tells you in his/her own words. <u>Do not prompt</u>, except for asking whether there was anything else after the respondent finishes. If the respondent mentions any of the following words (local terms also apply), check the box next to the word. Ask the

respondent to stop and start again if they mention a word of interest, so you have time to mark it down. MARK ALL CHECK BOXES THAT APPLY (multiple selections possible).

	Key words	Mentioned
	Asphyxia (lack of oxygen)	
	Incubator	
5.1	Lung Problems	
	Pneumonia	
	Preterm Delivery	
	Respiratory Distress	

5.2	Confirm that no words of interest were used during the open-ended response

If no box has been checked, a screen will appear to confirm that no word was mentioned. Mark the box as appropriate.

- O No word was mentioned
- O Don't know

END OF INTERVIEW THANK PARTICIPANT FOR THEIR PARTICIPATION

7 Instructions for the Child Age-Specific Module

Note to Interviewer: The tablet will move to this module after completing the General Module if the age of the decedent is in the range 29 days to 11 years. The questions in this module include:

- Child injuries and accidents
- Background
- Infant and child deaths
- Health Records
- Open-ended response (10 keyword checklist).

Section 1: Child injuries and accidents

This section is specifically designed to enquire and record information and details if the death was caused by an injury. In general, deaths from injuries, whether accidental or intentional, are reported to the police, and subsequently follow a forensic/coronial process for determining the cause of death. The VA process using household enquiry may or may not be considered necessary or appropriate for ascertaining the cause, depending on the government directives on this subject. Nevertheless, a set of questions have been included in the questionnaire, and should be asked of respondents (following the sequence and skip patterns as below), as permitted by the government authorities.

1.1	Did	suffer an injury or accident that led to death?

An "injury" means the person was hurt by something outside the body, such as a physical blow or fall, or poisoning or a bite. This includes accidental and intentional injuries. It is important for the VA interviewer to establish that the injury was a direct cause of death. It does not include injuries that have happened a long time in the past and that are not related to death of the decedent, or accidents that may result from other medical conditions.

0	Yes
0	No
0	Refused to answer
\circ	Don't know

If "No" "Don't know" or "Refused to answer" is checked, tablet will skip to Section 2: Background.

1.2	What kind of injury or accident did suffer from?	
•	ach question in sequence and check all check boxes corresponding to items to	
·	t indicated "Yes". Checking "Other injury" will provide a space on the next page	
to record the type of		
☐ Road traffic o	crash/injury	
☐ Fall —		
☐ Drowning		
Poisoning		
☐ Bite or sting	by venomous animal	
☐ Burn/Fire		
☐ Violence (sui	cide, homicide, abuse)	
\square Other injury,	specify ()	
☐ Refused to a		
☐ Don't know		
_ ben t knew		
1.3	Was the injury or accident intentionally inflicted by someone else?	
We want to know if t	he injury or accident may have been caused by someone else. Note that, once	
this question is answ	ered, the tablet will skip to the Health Records section. Please clarify whether	
the death was a direc	ct result of the injury.	
O Yes		
O No		
O Refused to answer		
O Don't know		
Tablet will skip to Se	ction 4: Health Records.	
Section 2: Backgro	und	
2.1	Is the mother still alive?	

ij tile li	iother is not present at the interview, ask if the mother of the deceased chila is still alive.		
0	Yes		
0	No		
If the n	nother is alive, tablet will skip to question 2.3.		
2.2	Did the mother die during or after the delivery?		
If the n	nother is not alive, ask: Did the mother die during or after the delivery?		
0	During		
0	After		
0	Refused to answer		
0	Don't know		
2.3	Where was the deceased born?		
0.0 - 1.1			
	the appropriate box that corresponds to the place where the delivery occurred. Differentiate and births at "hospital" (that is, health institutions with in-patient facilities) and at "other health		
	s" (dispensaries, health centres or private clinics, where patients are seen on out-patient		
-	You can mark only one button. Marking "Other" will provide space to specify the place.		
0	Hospital		
0	Other health facility		
0	On route to hospital or other health facility		
0			
_			
0	Other (specify)		
O	Refused to answer		
0	Don't know		
2.4	At the time of the delivery what was the size of the decree of		
2.4	At the time of the delivery what was the size of the deceased?		

Read the first part of the question and then slowly read the first four possible answers. Show the photos (shown on screen) to the respondent so that they can understand and remember the size of the baby at birth. Respondent should hear all four possible answers before giving her answer. We want to know if the infant was small or large because both can indicate problems.

O verv smai	0	Very small
-------------	---	------------

- O Smaller than usual
- O About average
- O Larger than usual
- O Refused to answer
- O Don't know

2.5 How old was the baby/child when the fatal illness started?

Ask this question and record the answer as a number of years or months. You can mark only one button. When you click on the "Years" or "Months" button, a page will appear, with a keyboard to type the number of years or months. Note: Since this is a child death, you should not click on "Days". (Enter in months from 1–11 months. Enter 12 months as 1 year.)

- O Years (enter on next page)
- O Months (enter on next page)
- O Days (enter on next page)
- O Refused to answer
- O Don't know

2.6 How long did the illness last?

Record how long the illness lasted. When you click on the "Days" or "Months" button, a page will appear, with a keyboard to type the number of days or months. If the illness lasted less than 24 hours, record 00. Enter 99 if unknown.

- O Days (enter on next page)
- O Months (enter on next page)
- O Refused to answer

	_			
Section	3.	Infant an	d child	l death

3.1		During the illness that led to death, did have a fever?			
		e individual felt hot to touch, or their temperature was abnormally high as nermometer.			
0	Yes				
0	No				
0	Refused to	answer			
0	Don't know	v			
If "No"	If "No" or "Don't know" or "Refused to answer", tablet will skip to 3.5.				
3.2		How many days did the fever last?			
	 1 day or more (specify) Refused to answer Don't know 				
3.3		Did the fever continue until death?			
We wa	nt to know i	f the fever may have contributed to the cause of death.			
0	Yes				
0	No				
0	Refused to	answer			
0	Don't know	v			

If "No" or "Don't know" or "Refused to answer", tablet will skip to question 3.5.

3.4		How severe was the fever?			
"Severi	ity" of fever n	neans how high the fever was, as perceived by the deceased's relatives.			
0	Mild				
0	Moderate				
0	Severe				
0	O Refused to answer				
0	Don't know				
3.5		During the illness that led to death, did have more frequent			
		loose or liquid stools than usual?			
-		ge of loose or watery stools, with or without blood, is known as diarrhea. There may			
be loca	I terms to de	scribe it.			
0	Yes				
0	No				
0	Refused to	answer			
0	Don't know				
If "No"	or "Don't kr	now" or "Refused to answer", tablet will skip to 3.8.			
2.6					
3.6		How many stools did have on the day that loose or liquid stools			
		were most frequent?			

We ask this because the frequency of diarrhea can help us know how serious it was. Ask the respondent to indicate the maximum number of times the deceased had diarrhea in the period immediately preceding death. Record this number in the space provided. Marking the "Specify number of stools" button will provide space for entering number of stools (enter 99 if unknown).

O Specify number of stools (enter on next page)

0	Refused to a	nswer	
0	Don't know		
3.7		Did the frequent loose or liquid stools continue until death?	
We ask	k this because	it helps us know whether this problem was part of the illness that led to death.	
0	Yes		
0	No		
0	Refused to a	nswer	
0	Don't know		
3.8		During the illness that led to death, did the child have a cough?	
negativ	ve response, a	om common to many conditions. Ask this question with care, and double check a sit leads to a skip of all other questions on cough. If there is a positive response ld be taken in following up closely with the subsequent questions characterizing inswer	
If "No"	' or "Don't kno	ow" or "Refused to answer", tablet will skip to 3.11.	
3.9		For how many days did the cough last?	
Markin		on next page)	
0	Refused to a		
0	Don't know		

3.10		Was the cough very severe?		
"Severi	ity" of cough m	neans how harsh or bad the cough was for the child.		
0) Yes			
0	No			
0	Refused to answer			
0	Don't know			
2 11		During the illness that lad to death did have difficulty.		
3.11		During the illness that led to death, did have difficulty		
		breathing?		
intervie	ewer should clo	means that the infant or child was working harder than normal to breathe. The arify to the respondent descriptions of difficulty (in the questions below), and that this symptom is not missed.		
0	Yes			
0) No			
0	O Refused to answer			
0	Don't know			
If "No"	' or "Don't kno	ow" or "Refused to answer", tablet will skip to question 3.13.		
3.12		For how many days did the difficult breathing last?		
Markin	ng the "Days" b Days (enter o Refused to ar Don't know			
3.13		During the illness that led to death, did have fast breathing?		

Ask the respondent if the baby was breathing rapidly. Was there a change in the speed of breathing?				
Was it faster than the previous day? We ask this because it helps us know whether this problem was				
part of the illness that led to death.				
O Yes				
O No				
O Refused to answer				
O Don't know				
If "No" or "Don't know" or "Refused to answer", tablet will skip to 3.15.				
3.14 For how many days did the fast breathing last?				
We ask this because it helps us know whether this problem was part of the illness that led to death. Marking the "Days" button will provide a space on the next page to enter duration of fast breathing. Please enter 99 if unknown.				
O Days (enter on next page)				
O Refused to answer				
O Don't know				
Note to the interviewer: If BOTH 3.11 and 3.13 are "No", tablet will skip to 3.17.				
3.15 During the illness that led to death, did he/she have in drawing of the chest?				
"In drawing of the chest" means the lower part of the chest wall gets depressed during breathing, and it indicates the seriousness of the disease. This is a sign of respiratory distress and indicates a severe respiratory illness. Show the illustration on the tablet.				
O Yes				
O No				
O Refused to answer				
O Don't know				

3.16		During the illness that led to death, did his/her breathing sound like grunting?	
"Grunt	ing" relates to (difficulty breathing when breathing OUT. It is indicative of respiratory illnesses	
	-	emonstrate the sound by clicking the little icon on the screen.	
0	Yes		
0	No		
0			
0	Don't know		
Ū	2011 (14110 11		
3.17		Did experience any generalized convulsions or fits during the	
		illness that led to death?	
during legs, so whole i	voluntary move	are abnormal, violent and involuntary movements that may occur at rest or ement. A convulsion is uncontrollable jerking and stiffening of the arms and loss of urine and stool. This question refers only to convulsions affecting the this aspect, and record the response accordingly.	
0	Refused to an	swer	
0	Don't know		
3.18		Was unconscious during the illness that led to death?	
		the infant could not respond to any stimuli such as light, sounds or touch. It child could not be woken up.	
0	Yes		
0	No		
0	Refused to an	swer	
0	Don't know		

If "No" or "Don't know" or "Refused to answer", tablet will skip to 3.20.

3.19		How long before death did unconsciousness start?	
0	Less than 6 h	nours	
0			
_	24 hours or i	mara.	
0			
O	Refused to a	nswer	
0	Don't know		
3.20		Did have a stiff neck during the illness that led to death?	
		ne infant could not move his/her neck in a normal way. A stiff neck is generally	
-	•	oility to bend the neck forward to touch the chin to the chest. The mother may	
have noticed that the child was not moving its head normally and that the child's neck was stiff, and			
remained stiff when the child was picked up.			
0) Yes		
0) No		
0	O Refused to answer		
0	Don't know		
3.21		Did have a bulging fontanelle during the illness that led to	
		death?	
		<u></u>	
The "fo	ontanelle" is th	ne soft spot toward the front of an infant's head. "Bulging" means that it was	
pushed out and tense when the infant was in a sitting position, and is a manifestation of certain			
serious diseases of infant and child. Generally, the fontanelle closes around 18 months of age.			
Therefo	Therefore, this question is not asked if a child is over the age of 18 months. Please show the photo on		
the scr	een to help th	e respondent recall the bulging fontanelle.	
0	Yes		
0	No		
0	Refused to a	nswer	

O D	on't know					
3.22		During the month before he/she died, di	d have a skin rash?			
"Rash" is	"Rash" is any skin abnormality that usually appears as a collection of red spots or pustules on the					
skin, or so	ometimes as	red patches on the skin. It is not a cut or b	ruise.			
O Y	es					
O N	О					
O R	efused to ar	nswer				
O D	on't know					
If "No" or	If "No" or "Don't know" or "Refused to answer", tablet will skip to 3.24.					
3.23		How many days did the rash last?				
the illness the rash to O D O R	s that led to using the po	ash will help us understand the severity and death. Marking the "Days" button will pro o-up keyboard. Please enter 99 if unknown n next page) nswer	vide space to enter the duration of			
3.24	Duri	ng the illness that led to death, did	's skin flake off in patches?			
or peel of	f in patches.	standing malnutrition, the skin becomes ex This is a readily recognized sign when pres				
O D	on't know					

3.25		Did's hair change in color to a reddish or yellowish color?	
		hair, a change in the hair colour to red, dull brown or yellow is indicative of	
		d malnutrition. This may occur in conjunction with other symptoms such as	
thinnes	ss, wasting and	d infections.	
0	Yes		
0	No		
0	Refused to answer		
0	Don't know		
3.26		Did have a protruding belly?	
is easil	y recognized.	when the size of the belly increases significantly. This significant increase in size	
0) Yes		
0	O No		
0	O Refused to answer		
0	Don't know		
3.27		During the illness that led to death, did suffer from "lack of	
		blood" or "pallor"?	
appear	rance of the m	of haemoglobin, the red pigment in the blood, results in a pale, whitish outh, including the lips and tongue; the area loses its normal reddish colour can also be observed on the palms of the hands. Sometimes it is referred	
to as th	ninning of the	blood.	
0	Yes		
0	No		
0	Refused to answer		
0	Don't know		

3.28		During the illness that led to death, did	have swelling in the	
		armpits?		
"Swelli	ng" means t	he area was raised more than normal.		
0	Yes			
0	No			
0	Refused to answer			
0	Don't knov	V		
3.29		During the illness that led to death, did	bleed from anywhere?	
-	_	s to episodes of spontaneous abnormal bleeding (external (through the skin, gum, mouth, nose, and		
0	Yes			
0	No			
0	Refused to	answer		
0	Don't knov	V		
3.30		During the illness that led to death, did he/sh	e have areas of the skin that	
		turned black?		
We ask	this becaus	e it might indicate the child had bleeding into the	skin.	
0	Yes			
0	No			
0	Refused to	answer		
0	Don't knov	V		

Section 4: Health Records

It is important, when asking questions in the Health Records section, that the information is obtained from records or directly from a worker who is part of the health system of the country and

who is qualified to offer medical advice (for example, a doctor, nurse or paramedic). The workers in this category may vary by country.

4.1		Did a health care worker tell you the cause of death?
"Uc~l±!	h caro warkar"	magne any professional who has formal modical training to work lovelly as a met
		means any professional who has formal medical training to work legally as part ce in the country. Examples include MBBS doctors, nurses and paramedical
staff.	.care workyon	to me to and parameter metade mesos doctors, narges and parameter
	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	
If "No"	or "Don't kno	w" or "Refused to answer" box is checked, tablet will skip to question 4.3.
4.2		What did the health care worker say?
Touchii	ng the space pi	rovided will bring up a keyboard to type and record the response.
4.3		Was care sought outside the home while the deceased had this illness?
their h	ome.	n centre, clinic or hospital. It also refers to health workers visiting the patient in
0	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	
If "No"	' or "Don't kno	w" or "Refused to answer" box is checked, tablet will skip to question 4.12.

Where or from whom did you seek care?

4.4

Read out the possible answers/lists slowly and one by one and MARK ALL THE CHECK BOXES THAT		
APPLY (multiple selections possible). Mark "Refused to answer" or "Don't know" only if no other		
boxes can be checked.		
☐ Traditional Healer		
☐ Homeopath		
Religious leader		
Government Hospital		
☐ Governmental health center or clinic		
☐ Private Hospital		
☐ Community-based practitioner associated with health system		
☐ Trained birth attendant		
☐ Private physician		
☐ Pharmacy, drug seller, store, market		
☐ Other provider		
Relative, friend (outside household)		
☐ Refused to answer		
☐ Don't know		
4.5 Record the name and address of the hospital, health center or clinic where		
the care was sought		
Ask this question and touch the space. Write the name and address in the space using the pop-up		
keyboard.		
4.6 Do you have any health records that belonged to the deceased?		
4.0 Do you have any fleath fectors that belonged to the deceased:		
It is important to know whether the child had health records, as more information concerning her/his		
illness can be extracted from the documents.		

O Yes

0	No				
0	Refused to answer				
0	Don't know				
If "No"	or "Don't know" or "Refused to answer", tablet will skip to question 4.14.				
4.7	Can I see the health records?				
0	Yes				
0	No No				
0	Refused to answer				
0	Don't know				
	or "Refused to answer", tablet will skip to question 4.14.				
	for the most recent visits and the last note?" will appear on a new page, with the following				
check b					
	Most recent visit date available				
	☐ Second most recent visit date available				
	☐ Date of the last note available				
	Don't know				
Please	read the records and mark all boxes that apply. Pages with spaces for entering the				
inform	tion from the records will be appear sequentially.				
Checkir be ente	g recent visit boxes results in pages with fields in which the dates and weight of the child can red.				
4.8	Record the dates of most recent visits from the health records				
Year: _	Enter four digit years. Enter 9999 if unknown				

Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month:	Enter Day between 1 and 31. Enter 99 if unknown
4.9	Record the weight on the most recent visit from the health records
Any change in weigh	t would be an important indicator of the child's health status prior to death.
RECORD THE WEIGH	T in grams or kilograms.
O Grams (ente	r on next pages)
O Kilograms (e	nter on next pages)
O Refused to a	nswer
O Don't know	
4.10	Record the date of the second most recent visit from the health record
Year:	Enter four digit years. Enter 9999 if unknown
Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month:	Enter Day between 1 and 31. Enter 99 if unknown
4.11	Record the weight on second most recent visit dates from the health record
Any change in weigh	t would be an important indicator of child's health status prior to death. RECORD
THE WEIGHT in gram	ns or kilograms.
O Grams (ente	r on next pages)
O Kilograms (e	nter on next pages)
O Refused to a	nswer
O Don't know	
4.12	Record the date of the last note

The date will reveal when the child was treated in the health facility.

Year:	Enter four digit years. Enter 9999 if unknown
Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month:	Enter Day between 1 and 31. Enter 99 if unknown
4.13	Transcribe the note
Record the main dia	agnosis
4.14	Was a death certificate issued?
It is important to le	arn whether a death certificate was issued, because we can extract the cause of
death from this reco	ord.
O Yes	
O No	
O Refused to	answer
O Don't know	,
If "No" or "Don't ki	now" or "Refuse to answer", tablet will skip to question 4.21.
4.15	Can I see the death certificate?
It is important that	you see the document if you are to extract the right information.
O Yes	
O No	
O Refused to	answer
O Don't know	!
If "No" or "Don't ki	now" or "Refuse to answer", tablet will skip to question 4.21.
If answer to questic	on 4.15 is "yes", a screen will appear with the following.
☐ Immediate	cause of death
☐ First underl	ying cause of death

☐ Second underlying cause of death
☐ Third underlying cause of death
☐ Contributing cause of death
☐ Don't know

Please read the death certificate and mark all the boxes that apply (multiple responses). For each check box ticked, space to enter the corresponding cause of death will be provided on subsequent pages. If there is only one cause of death on the certificate, just check the first box and write the cause of death as appropriate. If the order of the causes of death is not clear, or there are multiple causes of death on one line, then enter one cause of death on each line.

4.16	Record the immediate cause of death from the certificate

This is the first in the list of causes of death on the certificate. Enter the first cause of death in the corresponding space provided. If there is only one cause of death, then check the first box and enter the cause of death there.

4.17	Record the first underlying cause of death from the certificate	

This follows the immediate cause of death in the list of causes of death on the certificate. Enter the first underlying cause of death in the corresponding space provided.

4.18	Record the second underlying cause of death from the certificate	

This follows the first underlying e cause of death in the list of causes of death on the certificate. Enter the second underlying cause of death in the corresponding space provided.

4.19 Record the third underlying cause of death from the certificate	4.19	Record the third underlying cause of death from the certificate
--	------	---

This follows the second underlying cause of death in the list of causes of death on the certificate. Enter the third underlying cause of death in the corresponding space provided.

4.20		Record the contributing cause(s) of death from the certificate
-		d underlying cause of death in the list of causes of death on the certificate and
recorde	ed under part	II. Enter the contributing cause(s) of death in the corresponding space provided.
4.21		Has the deceased's (biological) mother ever been tested for HIV?
We wa	nt to know if	the mother had ever been tested for HIV. This subject is very sensitive, so be
extra se	ensitive wher	asking these questions. This question will not be asked if the child died due to a
injury.		
0	Yes	
	No	
	No Refused to a	answer
0		answer
0 0 0	Refused to a	ow" or "Refuse to answer", tablet will skip to question 4.23.
0	Refused to a	
0 0 0 1f "No"	Refused to a Don't know	ow" or "Refuse to answer", tablet will skip to question 4.23.
()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()()<	Refused to a Don't know	ow" or "Refuse to answer", tablet will skip to question 4.23. Was the HIV test ever positive?
○○If "No"4.22This qu○	Refused to a Don't know or "Don't kn estion will no	ow" or "Refuse to answer", tablet will skip to question 4.23. Was the HIV test ever positive?
○○If "No"4.22This qu○	Refused to a Don't know or "Don't kn estion will no	ow" or "Refuse to answer", tablet will skip to question 4.23. Was the HIV test ever positive? In the asked if the child died due to an injury.
○If "No"4.22This qu○	Refused to a Don't know or "Don't kn estion will no Yes No	ow" or "Refuse to answer", tablet will skip to question 4.23. Was the HIV test ever positive? In the asked if the child died due to an injury.
4.22 This qu	Refused to a Don't know for "Don't kn estion will no Yes No Refused to a	ow" or "Refuse to answer", tablet will skip to question 4.23. Was the HIV test ever positive? In the asked if the child died due to an injury.

for HIV, the virus that causes AIDS. This question will not be asked if the child died due to an injury.

O Yes

0	No
0	Refused to answer
0	Don't know

END OF HEALTH RECORDS SECTION GO TO SECTION 5: OPEN-ENDED RESPONSE

Section 5: Open-ended response and interviewer comments/observations

Section 5 is for recording open narrative and adding additional information. This information contributes to the process of diagnosing a most likely cause of death. As the tasks of writing and translation of narratives on the tablet are time-consuming, SmartVA includes a checklist of 10 keywords (such as "abdomen" and "cancer") to use in open narrative, rather than having interviewers record an entire conversion. This checklist comprises a list of words. Any of these words mentioned by the respondent in describing the circumstances surrounding the death should be selected by the interviewer. There is no need to record the whole narrative. Instruction is given below on how to ask for additional information and how to endorse the keywords before starting the open narrative section.

Instructions to the interviewer: Say to the respondent: "Thank you for your responses to this set of questions. Could you please summarize, or tell us in your own words, any additional information about the illness and/or death of your loved one?"

To the interviewer: Listen to what the respondent tells you in his/her own words. <u>Do not prompt</u>, except for asking whether there was anything else after the respondent finishes. If the respondent mentions any of the following words (local terms also apply), check the box next to the word. Ask the respondent to stop and start again if they mention a word of interest, so you have time to mark it down. MARK ALL CHECK BOXES THAT APPLY (multiple selections possible).

Key words	Mentioned
Abdomen	
Cancer	

	Dehydration	
5.1	Dengue fever	
	Diarrhea	
	Fever	
	Heart Problems	
	Jaundice (yellow skin or eyes)	
	Pneumonia	
	Rash	

	5.2	Confirm that no words of interest were used during the open response
П		

If no box has been checked, a screen will appear to confirm that no word was mentioned. Mark the box as appropriate.

- O No word was mentioned
- O Don't know

END OF INTERVIEW THANK PARTICIPANT FOR THEIR PARTICIPATION

8 Instructions for the Adolescent and Adult Age-Specific Module

This module will be applies to deceased persons who were 12 years of age or older at the time of death. After completing the General Module, the tablet will automatically move to this module if the age category of the deceased falls within this age bracket. The main sections of this module are:

- Injuries and accidents
- History of chronic conditions of the deceased
- Symptom checklist
- Questions on women
- Tobacco use
- Health Records
- Open-ended response (11 keyword checklist).

Section 1: Injuries and accidents

This section is specifically designed to enquire and record information and details if the death was caused by an injury. In general, deaths from injuries, whether accidental or intentional, are reported to the police, and subsequently follow a forensic/coronial process for determining the cause of death. The VA process using household enquiry may or may not be considered necessary or appropriate for ascertaining the cause, depending on the government directives on this subject. Nevertheless, a set of questions have been included in the questionnaire, and should be asked of respondents (following the sequence and skip patterns as below), as permitted by the government authorities.

1.1 Did suffer from an injury or accident that led to his/her death?	:h?	Did suffer from an injury or accident that led to his/her death?	
--	-----	--	--

An "injury" means the person was hurt by something outside the body, such as physical blow or a fall, or poisoning or a bite. This includes accidental and intentional injuries. It is important for the VA Interviewer to establish that the injury was a direct cause of death. It does not include injuries that have happened a long time in the past and that are not related to death of the decedent, or accidents that may result from other medical conditions. For example, someone may fall because they suffer a stroke, but in this instance the injury is a result of the stroke and "fall" is not the cause of death.

O Yes

O Don't kı	now
lf "No" or "Refu	used to answer" or "Don't know" is checked, tablet will skip to Section 2: History of
chronic conditio	ons of the deceased.
1.2	What kind of injury or accident didsuffer from?
which the respo	dent each question in sequence and check all check boxes corresponding to items to ondent indicated "Yes". Checking "Other injury" will provide a space on the next page
to record the type \Box	raffic crash/injury
☐ Fall	arric crashynigury
☐ Drownii	ng
Poisoni	
	eath was due to poisoning from pesticides, kerosene, or any other chemicals, record
"Yes" by	y ticking in this box. Poisoning from snakebite or animal sting etc. is not to be include
here.	
☐ Bite or s	sting by venomous animal
Poisonii	ng from snakebite or animal sting etc. should be included here.
☐ Burn/fir	re
☐ Violence	e (suicide, homicide, abuse)
\square Other in	njury, specify
☐ Refused	d to answer
☐ Don't ki	now
	Was the injury or accident self-inflicted?

1.4	Was the injury or accident intentionally inflicted by someone else?		
O	DOIT CKNOW		
0	Don't know		
0	O Refused to answer		
O	No		

We want to know if the injury or accident was caused by someone else.

$\overline{}$	\/ ·
()	Ye

O No

O Refused to answer

O Don't know

Tablet will skip to Section 6: Health Records.

Section 2: History of chronic conditions of the deceased

Questions in this section are asking about the diseases that were known to be present at the time of death. These questions are not about the previous histories of illnesses unrelated to the illness that lead to the death. For example, someone might have had malaria, dengue, or measles in the past, but none of these may be the cause of death. However, chronic conditions such as diabetes, tuberculosis, cancer, chronic obstructive lung disease, and so on, could have a bearing on the final diagnosis of the cause of death. Hence, proceed carefully through the entire list, and in the event of a positive response to any of the questions below, ask for any documentary evidence of the diagnosis in the form of a clinical note, laboratory or imaging report, prescription, hospital discharge card, and so on. It is important that the deceased was advised of these conditions by a qualified health worker (ideally a doctor, nurse or paramedic). Where possible, the VA interviewer should establish if a health worker actually told the decedent that they were suffering from a particular chronic condition. If there is uncertainty about certain disease conditions, the VA interviewer may need to prompt by asking if the deceased was treated for certain symptoms. Such prompting should be kept to a minimum and include only the major symptoms associated with the disease, as noted below.

2.1	Was ever told by a health professional that he or she ever suffered from
	one of the following?
	e worker" means any professional who has formal medical training to work legally as par
-	h workforce in the country. Examples include MBBS or MD doctors, nurses and paramedica
staff.	
Ask this qu	estion for each of the disease conditions listed.
2.2	Asthma
A = 1 ln = + ln =	
	r the diseased was diagnosed to have asthma by a physician or any other health worker.
•	ne a local term for asthma. If there is one, ensure that it is mentioned in the translated re, and use the local term to probe. If necessary, ask if the deceased was treated for
•	reathlessness that included a wheeze that responded to medication.
	eutmessness that included a wheeze that responded to medication.
O Yes	
O No	
O Ref	used to answer
O Dor	n't know
2.3	Cancer
Ask the resp	oondent whether any health professional told the deceased that he/she was suffering
O Yes	
O No	
O Ref	used to answer
O Dor	n't know
2.4	COPD (Chronic Obstructive Pulmonary Disease)

Ask the	respondent whether any health professional told the deceased that he/she was suffering		
from Co	OPD. If necessary, ask if the deceased was treated for chronic cough and breathlessness on		
more ti	han two occasions in a health facility.		
0	Yes		
0	No		
0	Refused to answer		
0	Don't know		
2.5	Diabetes		
Ask the	respondent whether any health professional told the deceased that he/she was suffering abetes.		
0	Yes		
0	No		
0	Refused to answer		
0	Don't know		
2.6	Epilepsy		
from e _l	respondent whether any health professional told the deceased that he/she was suffering pilepsy. If necessary, ask if the deceased was treated for episodic convulsions over many years.		
0	Yes		
0	No		
0	O Refused to answer		
0	Don't know		
2.7	Heart Disease		
from he	e respondent whether any health professional told the deceased that he/she was suffering eart disease. Yes		

0	No		
0	Refused to answer		
0	Don't know		
2.8	Tuberculosis		
Ask the	respondent whether any health professional told the deceased that he/she was suffering		
	iberculosis.		
0	Yes		
0	No		
0	Refused to answer		
0	Don't know		
2.9	Stroke		
worker mentio decease speech	ether the diseased was diagnosed as suffering stroke by a physician or any other health There may be a local term for stroke. If there is a local term for stroke, ensure that it is ned in the translated questionnaire, and use the local term to probe. If necessary, ask if the ed was treated for symptoms that included paralysis of one side of the body or face and loss of followed by unconsciousness. Yes No Refused to answer Don't know		
2.10	AIDS		
from A	Yes		
0	No		

O Don't know			
Section	n 3: Symptom checklist		
3.1	Did have a fever?		
	' means the individual felt hot to touch, or their temperature was abnormally high as		
0	Yes		
	No		
	Refused to answer		
0	Don't know		
If "No"	or "Don't know" or "Refused to answer" is clicked, tablet will skip to 3.4.		
3.2	How severe was the fever?		
"Severi	ty" of fever means how high the fever was as perceived by the deceased's relatives.		
0	Mild		
0	Moderate		
0	Severe		
0	Refused to answer		
0	Don't know		
3.3	What was the pattern of the fever?		
"Patter	n" of fever means how frequent and often the fever presented. Select only one response		
catego	ry.		
0	Continuous		
0	On and off		
0	O Only at night		

O Refused to answer

0	Refused to answer		
0	Don't know		
3.4	Did	have a rash?	
	•	bnormality that usually appears as a collection of red spots or pustules on the	
		rs red patches on the skin. It is not a cut or bruise.	
0	Yes		
0	No		
0	Refused to a	answer	
0	Don't know		
15 ((A) ~//	/ o.v. ((Dov/+ len	out on "Defused to suggest it aliabed to blot will alia to 2.6	
IJ NO	or Dontkn	ow" or "Refused to answer" is clicked, tablet will skip to 3.6.	
3.5		Where was the rash located?	
0	Face		
0	Trunk		
0	Extremities		
0	Everywhere		
0	Refused to a	answer	
0	Don't know		
3.6		Did have sores?	
		ongoing) ulcers that may be very slow to heal, and may persist over a long time.	
-	-	ised by constant pressure. For example, they may be produced on the back as a	
result d	of being bedri	dden for a long time.	
0	Yes		
0	No		
\circ	Refused to a	answer	

<i>If "No"</i>	or "Don't kno	w" or "Refused to answer", tablet will skip to 3.8. Did the sores have clear fluid or pus?
-	_	uid it may be clear or yellow ("pus"). Often, the clear fluid changes into pus.
	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	
3.8		Did have an ulcer (pit) on the foot?
In certo	ain conditions,	particularly among the elderly, chronic, non-healing ulcers appear on the foot.
	Yes	
0	No	
0	Refused to ar	nswer
0	Don't know	
If "No"	or "Don't kno	w" or "Refused to answer" is clicked, tablet will skip to 3.11.
3.9		Did the ulcer ooze pus?
" " :		W - 1 P - 1
		or yellowish liquid.
	Yes	
0	No	

O Refused to answer

O Don't Know

If "No" or "Don't know" or "Refused to answer" is marked, tablet will skip to 3.11.

3.10		For how many days did the ulcer ooze pus?	
Clicking	g on "Days" w	ill bring up a keyboard and a space to record/type the number of days.	
0	O Days (enter on next page)		
0	Refused to a	nswer	
0	Don't know		
3.11		Did have yellow discoloration of the eyes?	
jaundic	ce. Jaundice is	of the eyes is indicative of diseases of the liver, and is commonly known as indicated by a change in eye colour during the terminal illness and should be	
-		ent. There is often a local term used for this sign. Sometimes, in advanced	
	•	vellow discoloration of palms or skin and, if observed, the urine is also k-skinned people, the white part of the eyeball can appear "muddy", which is	
		ınlight; this should be distinguished from jaundice.	
		imigne, this should be distinguished from Judhalee.	
O	Yes		
0	No		
0	Refused to answer		
0	Don't Know		
If "No"	' or "Don't kno	ow" or "Refused to answer", tablet will skip to 3.13.	
3.12		For how long did have the yellow discoloration?	
0	Months (ent	er on next page)	
0	Days (enter o	on next page)	
0	Refused to answer		
0	Don't Know		

3.13	Did have puffiness of the face?	
This symptom re	efers to painless swelling of the face, especially around the eyes (due to accumulation	
of fluid).		
O Yes		
O No		
O Refused	I to answer	
O Don't Kı	now	
If "No" or "Don	't know" or "Refused to answer", tablet will skip to 3.15.	
2.14	For how long did have puffiness of the face?	
3.14	For how long did have puffiness of the face?	
	puffiness to come and go during the day. This question refers to puffiness that is	
	n you click on the "Months" or "Days" button, a page will appear, with a keyboard to	
type the numbe	r of months or days.	
O Months	(enter on next page)	
O Days (er	nter on next page)	
O Refused	I to answer	
O Don't Know		
3.15	Did have general puffiness all over his/her body?	
This question he	elps to ascertain fluid accumulation in other parts of the body, in case the respondent	
does not accura	tely recall where on the body the puffiness originated, and to where it spread.	
O Yes		
O No		
O Refused	O Refused to answer	
O Don't Kı	now	
3.16	Did have a lump on the neck?	

groin. Unless the lumps are rather large, or the patient specifically mentions them, they may not be observed by the respondent. Yes No Refused to answer Don't Know 3.17 Did have a lump in the armpit? Yes No Refused to answer Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. Yes No Refused to answer Don't Know 3.19 Did have a cough?	Lumps are small, solid and painless swellings that are sometimes observed near the armpit, neck or				
 ○ Yes ○ No ○ Refused to answer ○ Don't Know 3.17 Did have a lump in the armpit? ○ Yes ○ No ○ Refused to answer ○ Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. ○ Yes ○ No ○ Refused to answer ○ Don't Know On't Know	groin. l	oin. Unless the lumps are rather large, or the patient specifically mentions them, they may not be			
O No O Refused to answer O Don't Know 3.17 Did have a lump in the armpit? O Yes O No O Refused to answer O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	observe	ed by the resp	ondent.		
O Refused to answer O Don't Know 3.17 Did have a lump in the armpit? O Yes O No O Refused to answer O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	Yes			
O Don't Know 3.17 Did have a lump in the armpit? O Yes O No O Refused to answer O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	No			
3.17 Did have a lump in the armpit? O Yes O No O Refused to answer O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	Refused to a	nswer		
 Yes No Refused to answer Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. Yes No Refused to answer Don't Know 	0	Don't Know			
 Yes No Refused to answer Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. Yes No Refused to answer Don't Know 					
 No Refused to answer Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. Yes No Refused to answer Don't Know 	3.17		Did have a lump in the armpit?		
 No Refused to answer Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. Yes No Refused to answer Don't Know 					
O Refused to answer O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	Yes			
O Don't Know 3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	No			
3.18 Did have a lump in the groin? The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	Refused to a	nswer		
The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know	0	Don't Know			
The groin is the area between the legs around the inner thigh and lower abdomen. O Yes O No O Refused to answer O Don't Know					
O Yes O No O Refused to answer O Don't Know	3.18		Did have a lump in the groin?		
O Yes O No O Refused to answer O Don't Know	The are	oin is the grea	between the law ground the inner thigh and lower abdomen		
NoRefused to answerDon't Know			between the legs dround the inner thigh and lower abdomen.		
O Refused to answer O Don't Know	0	Yes			
O Don't Know	0	No			
	0) Refused to answer			
3.19 Did have a cough?	0	Don't Know			
3.19 Did have a cough?		Т			
	3.19		Did have a cough?		

It is important to know if the person had a cough, and, if so, the duration and severity of the cough. Coughing is a symptom common to many conditions. Ask this question with care, and double check a negative response, as it leads to a skip of all other questions on cough. If there is a positive response for cough, care should be taken in following up closely with the subsequent questions characterizing the cough.

0	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	
If "No"	or "Don't kn	ow" or "Refused to answer", tablet will skip to 3.22.
3.20		Did the cough produce sputum?
the bre	athing tubes	f coughing ends with spitting out some secretions (called sputum) produced in in the chest. The important point is that the sputum comes from inside the chest. r even blood (see next question). This is different from spit from the mouth.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	
3.21		Did cough blood?
You ne	ed to probe w	hether the person coughed blood or vomited blood.
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	
3.22		Did have difficulty breathing?
breathi disting	ing, such as a	g is a dramatic sign. Difficulty is manifested by the need for extra effort in heaving chest, which is sometimes noisy. Breathing difficulty must be ormal breathlessness after exercise.

0	No		
0	Refused to answer		
0	Don't Know		
3.23		Did experience pain in the chest in the month preceding death?	
0	Yes		
	No		
0	Refused to a		
0	Don't Know		
	or "Don't kn	ow" or "Refused to answer", tablet will skip to 3.25.	
3.24		How long did the pain last?	
0	Less than 30 30 minutes		
0	More than 24 hours		
0	Refused to answer		
0	Don't know		
3.25		Did have more frequent loose or liquid stools than usual?	
The fre	quent passag	ne of loose or watery stools, with or without blood, is known as diarrhea. There may	
	I terms to de		
0	Yes		
0	No		
0	Refused to a	answer	
0	Don't Know		

3.26		Was there blood in the stool?	
0	Yes		
0	No		
0	Refused to	ancwar	
0	Don't Know		
If "No"	' or "Refused	to answer" or "Don't know", tablet will skip 3.28.	
,, ,,,,	or negasea	to unsite. Or bon t know) tublet will skip oleo.	
3.27		Was there blood in the stool up until death?	
		·	
0	Yes		
_			
0	No		
0	O Refused to answer		
0	Don't Know		
3.28		Did stop urinating?	
	-	n because stoppage of urination can be a symptom of obstruction of the canal	
		om the bladder out of the body. In other cases, disorders of the kidneys can result	
		rine. To be significant, this stoppage of urine should have been <u>for at least</u>	
		ath and the VA Interviewer should clarify this.	
0	Yes		
0	No		
0	Refused to	answer	
0	Don't Know		
3.29		Did vomit in the week preceding death?	
0	Yes		
\circ	No		

0	Don't Know		
If "No"	or "Refused	to answer" or "Don't know", tablet will skip 3.32.	
3.30		Was there blood in the vomit?	
-		ed if the deceased reported vomiting during the illness. Fresh blood in the vomit is	
easily r	ecognized an	d creates immediate awareness and concern about the illness. It is important to	
disting	uish vomiting	blood from "coughing up" blood. Clarify with the respondent and note the	
respon.	se accordingl	y.	
0	Yes		
0	No		
0	Refused to answer		
0	Don't Know		
3.31		Was the vomit black?	
3.31		was the voiling black:	
The lon	ger the blood	d has been in the stomach, the more it looks like coffee grounds (black).	
0	Yes		
0	No		
0	Refused to a	answer	
0	Don't Know		
3.32		Did have difficulty swallowing?	

O Refused to answer

Difficulty swallowing is the sensation that food is stuck in the throat or upper abdomen. This may be because a person is too weak to swallow food or drink from the mouth and they choke when they try to swallow (the food or drink goes down the airway). Or it may be experienced as an obstruction high in the neck or lower down, behind the breastbone (sternum), or near the entry into the belly. This is usually reported by patients (and recalled by relatives), especially when interfering with daily food

intake. This is an important symptom, so probe carefully and try to ensure there you do not miss any			
instances of this symptom.			
0	Yes		
0	No		
0	Refused to a	answer	
0	Don't Know		
	or "Don't kn	ow" or "Refused to answer", tablet will skip to question 3.35.	
3.33		For how long before death did have difficulty swallowing?	
numbe	r of months o	·	
0	Months (enter on next page)		
0	Days (enter on next page)		
0	Refused to answer		
0	Don't know		
3.34			
3.34		Was the difficulty with swallowing with solids, liquids, or both?	
This qu	estion is aske	ed if the deceased reported difficulty swallowing during the illness. Initially, there	
may be	difficulty onl	ly in swallowing solids, and later, difficulty in swallowing anything.	
0	Solids		
0	Both solids a	and liquids	
0	Both		
0	Refused to answer		
0	Don't Know		
3.35		Did have pain upon swallowing?	
<u> </u>			

•		ng jeeling of a burning, squeezing pain while swallowing (felt high in the neck or
lower d	down, behind	I the breastbone).
0	Yes	
0	No	
0	Refused to	answer
0	Don't Know	1
2.26		
3.36		Did have belly pain?
the site	of the pain.	now whether the deceased complained of belly pain during his or her illness, and The belly is the part of the body below the rib cage and above the pelvic bones. The ones below relating to the belly) do not relate to symptoms caused by egnancy.
0	Yes	
0	No	
0	Refused to	answer
0	Don't Know	l .
If "No"	' or "Don't ki	now" or "Refused to answer", tablet will skip to 3.39.
3.37		For how long before death did have belly pain?
•		ed if the deceased reported belly pain during the illness. When you click on the "button, a page will appear, with a keyboard to type the number of months or
0	Months (er	iter on next page)
0	Days (enter	on next page)
0	Hours (ente	er on next page)
0	Refused to	answer
0	Don't know	,

3.38		Was the pain in the upper or lower belly?	
If there	e is any do	ubt, ask the informant if they can point to the site of the pain. "Upper belly" is above	
the nav	vel. "Lowe	r belly" is below the navel.	
0	Upper be	elly	
0	Lower be	elly	
0	Refused	to answer	
0	Don't kn	ow	
3.39		Did have a more than usual protruding belly?	
We are	intereste	d in whether the protrusion of the deceased's belly increased before death, and not	
·		elly due to the deceased being overweight. Certain diseases cause an accumulation	
		domen, making the belly unusually prominent and protruding. This increase in size of	
the bel	ly should i	be obvious to relatives of deceased.	
0) Yes		
0	No No		
0	Refused to answer		
0	Don't Know		
If "No" or "Don't know" or "Refused to answer", tablet would skip to 3.42			
3.40		For how long before death did have a protruding belly?	
The dis	tended be	elly may cause difficulty in breathing, and limit the mobility of the affected individual.	
Use the	ese associ	ated circumstances to help the respondent ascertain the duration of abdominal	
distent	ion before	e death. When you click on the "Months" or "Days" button, a page will appear, with	
a keybo	oard to ty	pe the number of months or days.	
0	Months	(enter on next page)	
0	Days (en	ter on next page)	
0	Refused	to answer	

O Don't know

3.41		How rapidly did develop the protruding belly?	
	-	of a protruding belly (over the course of a week or more) is a sign of chronic illness	
such as	s cirrhosis or o	cancer.	
0	Rapidly		
0	Slowly		
0	Refused to a	answer	
0	Don't Know		
2.42		Did have any mass in the hall. 2	
3.42		Did have any mass in the belly?	
An aba	lominal mass	in the belly is a localized swelling or enlargement in one area of the abdomen.	
		ble to respondents, but may have been reported by the deceased to his or her	
relative	es.		
0	Yes		
0	No		
0	O Refused to answer		
0	Don't Know		
If "No"	or "Refused"	to answer" or "Don't know", tablet will skip to question 3.44.	
3.43		For how long before death did have a mass in the belly?	
When	you click on ti	he "Months" or "Days" button, a page will appear, with a keyboard to type the	
numbe	r of months o	or days.	
0	Months (en	ter on next page)	
0	Days (enter	on next page)	
0	Refused to a	answer	
0	Don't know		
3.44		Did have a stiff neck?	

A stiff	neck is genera	videntified by the inability to bend the neck forward to touch the chin to the		
chest. This sign may not be easily observed or recalled by the respondent. If required, clarify to the				
respon	dent the descr	otion as provided above.		
0	Yes			
0	No	No		
0	Refused to a	swer		
0	Don't Know			
If "No	" or "Refused t	answer" or "Don't know", tablet will skip to question 3.46.		
3.45		For how long before death did have stiff neck?		
numbe	Months (enter of months or Months (enter of Days (enter of Refused to an Don't Know	n next page)		
3.46		Did experience a period of loss of consciousness?		
There of the physical question	is little or no m al stimuli, inclu on because dec	eans loss of a person's awareness of themselves and of their environment. Evement except for breathing. The individual has minimal or no response to ling pain. Sometimes, there is some hesitation or uncertainty about this in the from any cause may be preceded by a period of loss of consciousness. This riented toward identifying loss of consciousness as part of the illness leading to		
0	Yes			
0	No			
0	Refused to a	swer		
0	Don't Know			

If "No" or "Refused to answer" or "Don't know", tablet will skip to question 3.49.

3.47		Did the period of loss of consciousness start suddenly or slowly?
The pa	ttern of onset	of unconsciousness is specific to certain conditions, being dramatic in some
cases and gradual in others. If the unconsciousness develops over a period of 4–6 hours or m		
it is coi	nsidered as slo	w onset.
0	Suddenly	
0	Slowly	
0	Refused to a	nswer
0	Don't Know	
3.48		Did it continue until death?
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	
3.49		Did have convulsions?
		5" are abnormal, violent and involuntary movements that may occur at rest or
_	•	vement. A convulsion is uncontrollable jerking and stiffening of the arms and loss of urine and stool. This question refers only to convulsions affecting the
-		y this aspect, and record the response accordingly.
	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	

If "No" or "Refused to answer" or "Don't know", tablet will skip to question 3.52.

3.50		For how long before death did the convulsions last?
	ou click on the	Minutes or Hours button, a page will appear, with a keyboard to type the hours.
0	Minutes	
0	Hours	
0	Refused to an	swer
0	Don't Know	
3.51		Did the person become unconscious immediately after the convulsions?
0	Yes	
0	No	
0	Refused to an	swer
0	Don't Know	
3.52		Was in any way paralyzed?
Paralys	is implies the l	oss of strength or the inability to move certain parts of the body.
0	Yes	
0	No	
0	Refused to an	swer
0	Don't Know	

If "No" or "Refused to answer" or "Don't know":

- If the deceased was female, tablet will skip to Section 4: Questions for women.
- If the deceased was male, tablet will skip to Section 5: Tobacco use.

3.53	Which were the limbs or body parts paralyzed?		
Read through th	ne list in sequence and MARK ALL THE CHECK BOXES THAT APPLY (multiple selections		
_	da (avva avd lag)		
_	de (arm and leg)		
	e (arm and leg)		
☐ Lower p	part of the body		
☐ Upper p	part of the body		
☐ One leg	only		
One arr	n only		
\square Other			
☐ Refused	I to answer		
☐ Don't k	☐ Don't know		
6 4.0			
•	estions for women romen need to be asked carefully. Which questions are asked depends on the age of		
	whether she has not yet reached child-bearing years (as may be the case for women		
	irs) or is past child-bearing years. For women 60 and over, it will be assumed that the		
woman is past of	child-bearing years and the tablet will skip to question 4.5. However for women aged		
39-59 years the	answer to 4.4 is critical because it determines whether the respondent is asked		
questions relate	ed to pregnancy.		
4.1	Did have any swelling or lump in the breast?		
O Yes			
O No			
O Refused	I to answer		
O Don't K	now		
4.2	Did have any ulcers (pits) in the breast?		

O Yes		
O No		
O Refused to a	answer	
O Don't Know		
-	-	old, tablet will skip to question 4.3.
•		tablet will skip to question 4.6.
-		tablet will skip to question 4.4.
If the decedent is 60) years and ove	er, tablet will skip to question 4.5
4.3	Did	ever have a period or menstruate?
This question will or	nly be asked if t	he deceased was under 18 years of age when she died.
O Yes		
O No		
O Refused to a	answer	
O Don't Know		
If "Yes", "Don't kno	w" or "Refused	d to answer", tablet will skip to question 4.6.
If "No", tablet will s	kip to Section	5: Tobacco use.
4.4 F	lad's	periods stopped naturally because of menopause?
•	•	eceased was between 39-59 years of age. If the deceased was in
		nterviewer should explain that this question is to find out if the
,	<i>3</i> ,	ars. If this is the case, the answer to this question should be "Yes".
Answering "No" will	cause the que	stions on pregnancy to be asked.
O Yes		
O No		
O Refused to a	answer	
O Don't Know		

If "No", tablet will skip to 4.6.

4.5		Did have vaginal bleeding after cessation of menstruation?	
_			
0	Yes		
0	No		
0	Refused to answer		
0	Don't Kno	ow .	
Tablet	will skip to	o section 5: Tobacco use.	
4.6		Did have vaginal bleeding other than her period?(intermenstrual)	
		<u> </u>	
0	Yes		
0	No		
0			
0	O Don't Know		
4.7		Was there excessive vaginal bleeding in the week prior to death?	
0	Yes		
0	No		
0	Refused to answer		
0	Don't Know		
4.8		At the time of death, was her period overdue?	
0	Yes		
0	No		
0	Refused t	o answer	

O Don't I	Know
-----------	------

O Don't Know

If "No" or "Refused to answer" or "Don't know", tablet will skip to question 4.11.

4.9		For now many weeks was ner period overdue?
This inc	cludes an ove	rdue period for the current cycle (during the month of death) or periods prior. The
deceas	ed may have	thought she was pregnant. When you click on the "Weeks" button, a page will
appear	, with a keybo	oard to type the number of weeks.
0	Weeks (ente	er on next page)
0	Refused to a	inswer
0	Don't Know	
4.10		Did she have a sharp pain in the belly shortly before death?
	·	
0	Yes	
0	No	
0	Refused to a	nswer
0	Don't Know	
4.11		Was she pregnant at the time of death?
During	the early pha	se of pregnancy, this may be known only to other female members of the family,
notably	sisters.	
0	Yes	
0	No	
0	Refused to a	inswer

If "No" or "Refused to answer" or "Don't know", tablet will skip to question 4.18.

4.12		For how many months was she pregnant?	
		- 1	
When y	you click on the	"Months" button, a page will appear, with a keyboard to type the number of	
months	S.		
0	Months (enter on next page)		
0	Refused to answer		
0	Don't know		
4.13		Did die during an abortion?	
		ation of the pregnancy by spontaneous (miscarriage) or induced expulsion of	
-		ption within the first 28 weeks of pregnancy. The baby would have been too	
small to	o survive outsio	de the mother even in a hospital setting.	
0	Yes		
0	No		
0	Refused to answer		
0	Don't Know		
If "Yes'	", tablet will sk	ip to 4.20.	
4.14		Did bleeding occur while she was pregnant?	
0	Yes		
0	No		
0	Refused to an	swer	
0	Don't Know		
4.15	Die	d she have excessive bleeding during labor or delivery?	
^	Wala		
	Yes		
0	No		

Don't Know		
mber of		
O Hours (enter on next page)		
ulsion of		

If "Yes", tablet will skip to question 4.20.

4.19		Did she die within 6 weeks of childbirth?	
0	Yes		
0	No		
0	Refused to a	nswer	
0	Don't Know		
If "No"	or "Refused	to answer" or "Don't know", tablet will skip to Section 5: Tobacco use.	
4.20		Did she have excessive bleeding after delivery or abortion?	
0	Yes		
0	No		
0	Refused to answer		
0	Don't Know		
Sectio	n 5: Tobacco) use	
5.1		Did use tobacco?	
_			
0	Yes		
0	No		
0	Refused to a	nswer	
0	Don't Know		
If "No"	or "Refused	to answer" or "Don't know", tablet will skip to Section 6: Health Records.	
5.2		What kind of tobacco did use?	
Ask thi	s question an	d MARK ALL THE CHECK BOXES THAT APPLY (multiple selections possible).	
[Cigarettes		

☐ Pipe		
☐ Chewir	ng tobacco	
☐ Local fo	orm of tobacco	
☐ Other		
☐ Refuse	d to answer	
☐ Don't k	now	
If "Yes" to cigare Health Records.	ttes, continue to question 5.3. If "No" to cigarettes, tablet will skip to Section 6:	
neuitii ketorus.		
5.3	How many cigarettes did smoke daily?	
	igarettes per day" button will bring up a new page and a key board to type the	
number of cigare		
O Cigarette	s per day (enter on next page)	
O Refused t	co answer	
O Don't kno	ow .	
Section 6: Healt		
	hen asking questions in the Health Records section, that the information is cords or directly from a worker who is part of the health system of the country and	
	o offer medical advice (for example, a doctor, nurse or paramedic). The workers in	
this category may		
<i>3</i> , ,		
6.1 V	Was care sought outside the home while the deceased had this illness?	
<u> </u>		
This refers to a ho	ealth centre, clinic or hospital. It also refers to health workers visiting the patient in	
their home.		
O Yes		
O No		
O Refused to answer		

O Don't Know

If "No" or "Don't know" or "Refused to answer", tablet will skip to question 6.6.

6.2		Where or from whom did you seek care?	
Read out the po	ssible an	swers/lists slowly and one by one, and MARK ALL THE CHECK BOXES THAT	
APPLY (multiple	selection	ns possible). Mark "Refused to answer" or "Don't know" only if no other	
boxes can be ch	ecked.		
☐ Traditional Healer			
☐ Homeo	☐ Homeopath		
☐ Religio	us Leade	er e	
☐ Govt. H	lospital		
☐ Govt. H	lealth Ce	entre Center or Clinic	
☐ Private	Hospita	I	
Commi	unity-bas	sed Practitioner Associated with Health System	
☐ Tradition	onal Birtl	h Attendant	
☐ Private Physician			
☐ Pharmacy, Drug Seller, Store, Market			
Relatives, Friend (outside household)			
☐ Refused to answer			
☐ Don't know			
6.3	Red	cord the name and address of the hospital, health center or clinic where the	
	car	e was sought	
Touching the spo	ace prov	ided will bring up a keyboard. Record the name and address of the health	
6.4	Did a he	ealth care worker tell you the cause of death?	

"Health care worker" means any projessional who has formal medical training to work legally as par
of the health workforce in the country. Examples include MBBS doctors, nurses and paramedical
staff.
O Yes
O No
O Refused to answer
O Don't Know
If "No" or "Don't know" or "Refused to answer", tablet will skip to question 6.6.
6.5 What did the health care worker say?
Touching the space provided will bring up a keyboard. Record the response.
Do you have any health records that belonged to the deceased?
It is important to know whether the deceased had health records, as more information concerning her/his illness can be extracted from the documents. O Yes
O No
O Refused to answer
O Don't Know
If "No" or "Don't know" or "Refused to answer", tablet will skip to question 6.11.
6.7 Can I see the health records?
O Yes O No
O Refused to answer
O Don't Know

<i>c</i> 0	Record the dates of the two most recent visits from the health record.
6.8	
	If not listed, mark 9999
☐ Most recent	visit date available
☐ Second mos	t recent visit date available
☐ Date of the	ast note available
☐ Don't know	
Please read the reco	rds and mark all boxes that apply. Pages with space for entering the informatio
from the records wil	be appear sequentially.
Year:	Enter four digit years. Enter 9999 if unknown
Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month: _	Enter Day between 1 and 31. Enter 99 if unknown
Second most recent	visit
Year:	Enter four digit years. Enter 9999 if unknown
Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month: _	Enter Day between 1 and 31. Enter 99 if unknown
If you indicate that t and transcribe the n	he date of last note is known, a page and keyboard will appear. Enter the date ote.
6.9	Record the date of the last note.
	Enter 9999 if unknown
The date of the last	note
Year:	Enter four digit years. Enter 9999 if unknown

If "No" or "Don't know" or "Refused to answer", tablet will skip to question 6.11.

Month:	Enter Month (January = 1). Enter 99 if unknown
Day of the month:	Enter Day between 1 and 31. Enter 99 if unknown
6.10	Transcribe the note
Record the main diagi	nosis
6.11	Was a death certificate issued?
It is important to learn	whether a death certificate was issued, because we can extract the cause of
O Yes	
O No	
O Refused to an	swer
O Don't Know	
response.	
6.12	Can I see the death certificate?
It is important that you	u see the document if you are to extract the right information.
O Yes	
O No	
O Refused to ans	swer
If "No" or "Refused to	answer", tablet will skip Section 7: Open-ended response.
If answer to question 6	5.12 is "Yes", a screen will appear with the following:
☐ Immediate cau	use of death
☐ First underlyin	g cause of death
☐ Second underl	lying cause of death

☐ Third underlying cause of death
☐ Contributing cause of death
☐ Don't know

Please read the death certificate and mark all the boxes that apply (multiple responses). For each check box ticked, space to enter the corresponding cause of death will be provided on subsequent pages. If there is only one cause of death on the certificate, just check the first box and write the cause of death as appropriate. If the order of the causes of death is not clear, or there are multiple causes of death on one line, then enter one cause of death on each line.

6.13	Record the immediate cause of death from the certificate

This is the first in the list of causes of death on the certificate. Enter the first cause of death in the corresponding space provided. If there is only one cause of death, then check the first box and enter the cause of death there.

6.14	Record the first underlying cause of death
6.14	from the certificate

This follows the immediate cause of death in the list of causes of death on the certificate. Enter the first underlying cause of death in the corresponding space provided.

6.15	Record the second underlying cause of death from the certificate	

This follows the first underlying cause of death in the list of causes of death on the certificate. Enter the second underlying cause of death in the corresponding space provided.

6.16	Record the third underlying cause of death from the certificate	

This follows the second underlying cause of death in the list of causes of death on the certificate. Enter the third underlying cause of death in the corresponding space provided.

6.17	Record the contributing cause(s) of death from the certificate
------	--

This follows the all the underlying causes of death in the list of causes of death on the certificate and recorded under part II. Enter the contributing cause, separating each with a coma in the corresponding space provided.

END OF HEALTH RECORDS SECTION GO TO SECTION 7

Section 7: Open-ended response and interviewer comments/observations

Section 7 is for recording open narrative and adding additional information. This information contributes to the process of diagnosing a most likely cause of death. As the tasks of writing and translation of narratives on the tablet are time-consuming, SmartVA includes a checklist of 11 keywords (such as "chronic kidney disease" and "dialysis") to use in open narrative, rather than having interviewers record an entire conversion. This checklist comprises a list of words. Any of these words mentioned by the respondent in describing the circumstances surrounding the death should be selected by the interviewer. There is no need to record the whole narrative. Instruction is given below on how to ask for additional information and how to endorse the keywords before starting the open narrative section.

Instructions to the interviewer: Say to the respondent: "Thank you for your responses to this set of questions. Could you please summarize, or tell me in your own words, any additional information about the illness and/or death of your loved one?"

To the interviewer: Listen to what the respondent tells you in his/her own words. <u>Do not prompt</u>, except for asking whether there was anything else after the respondent finishes. If the respondent mentions any of the following words (local terms also apply), check the box next to the word. Ask the respondent to stop and start again if they mention a word of interest, so you have time to mark it down. MARK ALL CHECK BOXES THAT APPLY (multiple selections possible).

Key words	Mentioned
Key words	Mentioned

	Chronic Kidney Disease	
	Dialysis	
	Fever	
	Heart Attack (AMI)	
7.1	Heart Problems	
	Jaundice	
	Liver Failure	
	Malaria	
	Pneumonia	
	Renal (Kidney) Failure	
	Suicide	

7.2 Confirm that no words of interest were used during the open respo	nse
---	-----

If no box has been checked, a screen will appear to confirm that no word was mentioned. Mark the box as appropriate.

- O No word was mentioned
- O Don't know

END OF INTERVIEW THANK PARTICIPANT FOR THEIR PARTICIPATION

Appendix 1: Glossary

Assignment area (AA)	This is your assigned area. An AA usually represents the average workload for one VA interviewer; an interviewer should be able to
	complete VA interviews with minimum travel from area to area.
Callback	A "callback" is a second or third interview attempt by the
	interviewer to a household in order to conduct a VA interview with
	an appropriate respondent.
Confidentiality	"Confidentiality" is a guarantee that the information respondents
•	provide to the staff /interviewer will not be revealed to others.
Duration	For all signs or symptoms that were not associated with a
	previously-diagnosed condition, nor related to an injury, "duration"
	is defined as the period starting from the appearance of that
	sign/symptom to the <i>cessation</i> of that symptom, regardless of the
	presence of that sign/symptom at the time of death, and
	irrespective of whether the sign/symptom appeared intermittently.
	intespective of whether the sign/symptom appeared intermittently.
	For example, if a woman began to have fever 10 days before death,
	but she ceased having fever two days before death, the <i>duration</i> of
	•
	her fever would be eight days, even if she did not have fever for
Hawaah ald	every one of those eight days.
Household	A "household" is any arrangement in which one or more persons
	make common provisions for their own food or other essentials for
	living. The persons may have a common budget, be related or
	unrelated, or a combination. There may be more than one
	household in a housing unit.
Informed consent	This refers to agreeing to participate in the VA Interview after
	achieving a full understanding of the purpose of the questionnaire,
	and receiving an explanation of the activities involved in the
	interview, the expected duration of the interview, and a
	description of the procedures to be followed.
Verbal autopsy (VA)	Verbal autopsy is a process used to collect information (using a
	specially-designed form) from relatives/caregivers of a deceased
	person. The process involves interviewing relatives or caregivers of
	the deceased regarding their knowledge of the symptoms, signs,
	and circumstances leading to death. The information that is
	collected is used to assign a probable cause of death for each
	reported death.
VA interviewer	This is the person responsible for conducting VA interviews with
	the bereaved family members in the household. He or she should
	be knowledgeable about the area to which he or she is assigned.
	The VA interviewer must be accepted by the community in which
	he or she will be working. Although requirements may be site-
	specific, some requirements of VA interviewer include: having at
	least 12 years education in the national education system, and the
	ability to speak the dialect of the area to which he or she is
	assigned.
	assigneu.
	There is a range of opinion about whether medical training should
	be preferred as a qualification for a VA interviewer, or whether

	educated but non-medically trained persons are more suitable. Local experience will determine the optimal solution.	
VA Interviewer Manual	Contains information about how the VA interviewer should go about his/her job.	
VA respondent	This is the adult being interviewed, who is typically a resident in the household. The respondent must be able to give reliable and accurate information regarding the members of the household. In the case of a death in the family, the respondent will be able to give information about the circumstances leading to the death. Ideally, the VA respondent for the VA interview would be the one who cared for the deceased during the period of illness.	
VA shortened questionnaire	This is a form that is used to collect information on the history of illness of the deceased and the presence of signs and symptoms. The form is to be completed by the interviewer during VA interviews. There are four modules used in the PHMRC (SmartVA) questionnaire.	







The program partners on this initiative include: The University of Melbourne, Australia; CDC Foundation, USA; Vital Strategies, USA; Johns Hopkins Bloomberg School of Public Health, USA; World Health Organization, Switzerland.

Civil Registration and Vital Statistics partners:







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