IMPROVISED NUCLEAR DEVICE (IND): COMMUNITY RECEPTION CENTER (CRC) QUESTIONNAIRE BANK

Health Studies Branch

Centers for Disease Control and Prevention

Atlanta, GA

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Acronyms

CPM:	counts per minute
CPS:	counts per second
REM:	roentgen equivalent, man
Sv	Sievert
μREM/hr:	micro rem per hour
mREM/hr:	milli rem per hour
μSv/hr:	micro Sievert per hour
nSV/hr:	Nano Sievert per hour
GM Pancake:	Geiger-Muller Pancake

Definitions

REM (roentgen equivalent, man): a unit of equivalent dose. Not all radiation has the same biological effect, even for the same amount of absorbed dose. REM relates the absorbed dose in human tissue to the effective biological damage of the radiation. It is determined by multiplying the number of rads by the quality factor, a number reflecting the potential damage caused by the particular type of radiation. The rem is the traditional unit of equivalent dose, but it is being replaced by the Sievert (Sv), which is equal to 100 rem. For more information, see "Primer on Radiation Measurement" at the end of this document.

Sievert (Sv): a unit used to derive a quantity called dose equivalent. This relates the absorbed dose in human tissue to the effective biological damage of the radiation. Not all radiation has the same biological effect, even for the same amount of absorbed dose. Dose equivalent is often expressed as millionths of a Sievert, or micro-Sieverts (μ Sv). One Sievert is equivalent to 100 rem.

Introduction

Following a radiation incident such as an improvised nuclear device (IND) detonation, state and local response authorities will need to establish one or more population monitoring and decontamination facilities to assess people for radioactive exposure, contamination, and the need for decontamination or other medical follow-up. These facilities are known as community reception centers (CRCs). The basic services offered at a CRC include the following: screening people for radioactive contamination, assisting people with washing or decontamination, registering people for subsequent follow-up, and prioritizing people for further care.

Data collected at CRCs will be crucial for many public health response activities and will enable:

- 1. Characterization of the affected population including vulnerable/special populations for situational awareness.
- 2. Provision of accurate epidemiological data that can be integrated into long-term registries for follow up of latent health effects after radiation exposure.
- 3. Identification of risk factors associated with particular environments or activities (proximity, being outdoors, etc.) for effective public health messaging.
- 4. Prioritization of limited medical resources such as countermeasures or bioassays to population groups that have a higher risk of exposure or internal contamination based on susceptibility factors.
- 5. Improvement of the accuracy of dose reconstructions by collecting personal variables needed in dose calculations.

Population monitoring data will be collected in parallel at each station of the CRC (Figure 1) to optimize throughput. Based on the amount and complexity of the data, an ideal platform for data collection is an electronic database tool such as Epi Info 7. An electronic data collection tool such as Epi Info 7 can be implemented using a local area network to include laptops, tablets and cell phones, and paper as an alternative backup option. Additionally, data analysis, visualization, transfer and exchange processes are also much more efficient once the data are collected electronically.

This guide describes the function of each station of a CRC and provides a question bank and other information to guide data collection at each station. A question bank format was chosen to provide the user the ability to tailor the data collection tool to fit a particular incident and/or locality. The CRC data collection tool is designed for CRC staff to fill out the information collected from the individual being assessed. All information collection, as well as procedures performed at the CRC, are voluntary and the individual may accept or refuse any activity. However, some services in the CRC are provided in a "clean zone." People who refuse contamination screening or decontamination services will not be permitted to continue into the clean zone.

NOTE: SEE ATTACHEMENT FOR THE EXAMPLE FORM AND CRC FLOW DIAGRAM POSTER





Staff at this station greet people and direct them where to go next in the CRC. Staff may direct incoming people that have urgent medical needs to the First Aid Station or highly contaminated individuals (several magnitudes above the screening criteria) to the Wash Station. Unaccompanied minors, children and infants and people with disabilities or access and functional needs or pets will be accommodated. Staff will assign ID numbers for tracking and record keeping purposes and begin data collection. The initial sorting station should also be staffed with "runners" who will accompany individuals to the next station, as needed.

Section-specific instructions:

- Provide a <u>unique</u> barcode or ID number to EVERY individual.
- If recording information for a family, use suffix A, B, C etc. for each family member ID e.g., 1001A, 1001B.
- For infants (less than one year of age), record age in months.
- All italicized questions will be answered by the individual.

Questions:

A1. Date (MM/DD/YYYY): _____

- A2. Time (Military time): _____
- A3. Barcode or ID Number: _____
- A4. What is your preferred spoken language?
 English
 Spanish
 Other: _____
 non-verbal

A5a. Are you here \Box alone or with \Box family? A5b. Check here in case of \Box Unaccompanied minor.

A6. If the individual is present with family, total number of family members (including individual): _____

A7a. Last Name: ______ A7b. First Name: _____ A7c. Middle Initial: ____

A8. Age: _____ □Years □Months

- A9. *Do you or the family have a pet with you?* \Box Yes \Box No \Box Don't know
- A10. *Did you receive radiation contamination screening before arriving at this facility*? □Yes □No □Don't know □Refuse to answer
- A11a. Did radiation contamination detected on the individual today exceed the Initial Sorting criteria*? (*Initial Sorting criteria set by the CRC manager) □Yes □No □Don't know

A11b. If yes, specify the highest contamination measurement detected: _________ A11c. Measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

Post-sorting Instructions: Please ask Runner to accompany individual to the next station according to condition below:

- If they need urgent medical attention, send them to the First Aid Station (Section D).
- If individual is highly contaminated (i.e., answered **YES** to **A11a**), then send them to the Wash Station (Section C).
- If individual does not need first aid, send them to the Radiation Contamination Screening section (Section B).
- If individual decides to leave CRC, send them to the Unregistered Individuals station (Section X) to collect basic information.
- A12. Individual was sent next to:

First Aid Station
 Wash Station
 Radiation contamination Station
 Unregistered Individuals Station as Individual decided to leave CRC

Section B. RADIATION CONTAMINATION SCREENING STATION



People will undergo screening for radioactive contamination at this station. Instruments used for screening may include a portal monitor or handheld detector. A portal monitor provides an alarm when a measurement exceeds a predetermined threshold (also known as the screening criteria). A handheld detector is used for detailed screening and measurement; it can also detect and localize areas of contamination on the body. Similarly, a radioisotope identifier may also be used which will provide information on the radionuclides involved (i.e. cesium 137). Data collected in this station will include type of detector used for screening, the measurement and identity of any radionuclides, and where in the body the contamination was detected.

Section-specific instructions:

- If the individual has measurement that is **below** the Screening criteria, complete questions **B1 to B5 ONLY** and send individual to Registration Station (section E) using the Express Lane.
- If individual's contamination measurement result is **above** the Screening criteria, continue answering **ALL** questions in this section.
- All italicized questions will be answered by the individual.

Questions:

B1. Do you □accept OR □refuse contamination screening?
(In case of minor (under the age of 18), obtain consent from a parent or a guardian)
(If refused, collect name and contact information in Section X: Contact Information of Unregistered Individuals. This will end their visit to this CRC.)

B2a. Screening criteria used: ______ B2b. Screening criteria units: □CPM □CPS □μREM/hr □mREM/hr □μSv/hr □nSV/hr B3a. Detector type:
Portal Monitor
Handheld

B3b. If handheld, specify type: □GM Pancake □Other:____

B4a. Specify background count used: _____

B4b. Background count units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

B5. Contamination measurement result:

□Below Screening Criteria

□Above Screening Criteria/Positive for contamination

(If Individual is "Below Screening Criteria" then no further screening is needed, do not answer remaining questions (B6a to B9d))

B6a. Specify highest contamination measurement detected: ______ B6b. Measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

B7. Was contamination detected in the breathing zone (face and/or shoulders)?

Yes
No

B8a. If contamination was detected in the breathing zone, what was the measurement? _____ B8b. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

B9a. Was radioisotope identifier used?

Yes
No

B9b. If yes, specify type and model used: ____

B9c. If yes, which radionuclide had the highest activity detected: ______

B9d. Which second highest activity radionuclide was detected: _____

Decontamination procedures will be performed at this station followed by re-screening to make sure that any external contamination has been removed. If a person still screens positive for contamination despite a second decontamination attempt, the contamination may have already been internalized into the body. This is known as internal contamination and it will be important to identify these people for later follow-up. Data collected at this station are related to these activities. The maximum number of washes is 2, at which point, any remaining contamination will be considered to be as low as reasonably achievable or the individual may have internal radiation contamination.

Section-specific instructions:

- If individual accepts wash (i.e. decontamination), complete ALL questions in this section.
- After first wash, rescreen individual and record measurements.
- Individual may receive up to **two washes**. If the individual's contamination level is still above the Screening Criteria, then internal contamination is suspected.
- After all washes are completed, instruct individual to visit the Registration Station (Section E).
- All italicized questions will be answered by the individual.

Questions:

C1. Do you \Box accept OR \Box refuse wash?

(In case of minor (under the age of 18), -obtain consent from a parent or a guardian)

(If a contaminated individual refuses wash, collect name and contact information in Section X: Contact

Information of Unregistered Individuals. This will end their visit to this CRC.)

Instructions:

• Complete the following information **AFTER** the first wash.

C2. Is the individual still contaminated?

Yes
No
Refused further screening

(If individual is not contaminated after first wash, send them to **Registration Station**) **Note:** Individual who refused re-screening after first wash **cannot** be sent to the Clean Zone. Collect name and contact information in **Section X: Contact Information of Unregistered Individuals**. This will end their visit to this CRC.

C3a. If yes, contamination measurement: _____ C3b. Measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

C4. Specify the type of handheld detector used for measurement:
GM Pancake
Other:

C5a. Specify background measurement used: ______ C5b. C5b. Background measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

C6. Did individual receive second wash? \Box Yes \Box No \Box Refused second wash

C7. Is the individual still contaminated after the second wash?
Second

C8a. If yes, contamination measurement: _____ C8b. Measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

SECTION D. FIRST AID



People with urgent medical needs (related or unrelated to radiation exposure or radioactive contamination) or open wounds, burns, etc. will be taken by Runner to the First Aid Station. At this station, contamination screening and limited decontamination may be performed after urgent medical issues have been dealt with.

Section-specific instructions:

- Please address ALL urgent medical needs first. .
- After all urgent medical needs have been addressed; perform necessary whole body contamination • screening and decontamination procedures.
- If contamination screening and decontamination were needed and person accepts, complete ALL • questions in the section below.
- After all procedures are completed, unless transferred to a medical facility, send all individuals to • Registration Station (Section E).
- All italicized questions will be answered by the individual.

Questions:

- D1. The individual was referred to the First Aid Station for: (ask Initial Sorting Runner AND check all that apply)
 - number of wounds: _____ Specify wound site(s) _____ □Open wound

⊔Burn number of burns: _____ Specify burn site(s) ____

□Other injury or medical condition

Specify, other injury or medical condition

D2. Is individual being treated in the First Aid Section?
Section Press
No, a companion is being treated
Transported to a medical facility

□Refused treatment

D3. Do you \Box accept OR \Box refuse contamination screening? (In case of minor (under the age of 18), receive consent from a parent or a guardian) (If refused, collect name and contact information in Section X: Contact Information of Unregistered Individuals. This will end their visit to this CRC.)

D4a. Detector type: □Portal Monitor □Handheld D4b. If handheld, specify type: □GM Pancake Other:______

D5a. Specify background measurement used: _____ D5b. Background measurement units: □CPM □CPS □µREM/hr □mREM/hr □µSv/hr □nSV/hr

- D6. If referred for open wound, was radiation contamination detected in the open wound? _Yes _No _Wound radiation contamination screening was not performed or refused
- D7. If referred for burn(s), was radiation contamination detected in the burn?□Yes □No □Burn radiation contamination screening was not performed or refused

Instructions:

• If answered **Yes** in **D6** or **D7**, please answer the following questions for body location of open wounds, burns or other reason (injuries).

D8a. Head/neck: □ Open wound □ burn □ other, specify: ____ □ none

D8b. What was the measurement? _____

D8c. Measurement units: \Box CPM \Box CPS $\Box\mu$ REM/hr \Box mREM/hr $\Box\mu$ Sv/hr \Box nSV/hr

D8d. Was decontamination performed?

Performed Preside Presid

D8e. What was the measurement after decontamination? _____

D8f. Measurement units: DCPM DCPS DµREM/hr DmREM/hr DµSv/hr DnSV/hr

D9a. Chest/abdomen:
Open wound
burn
other, specify: ____ none

D9b. What was the measurement? _____

D9c. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

D9d. Was decontamination performed?

Performed Preside Presid

D9e. What was the measurement after decontamination?

D9f. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

D10a. Back:
Open wound
burn
other, specify:
one

D10b. What was the measurement? _____

D10c. Measurement units: DCPM DCPS DµREM/hr DmREM/hr DµSv/hr DnSV/hr

D10d. Was decontamination performed?

Yes
No
Decontamination was not performed or refused

D10e. What was the measurement after decontamination?

D10f. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

D11a. Left upper extremity:
Open wound
burn
other, specify:
one

D11b. What was the measurement? _____

D11c. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

D11d. Was decontamination performed?

Yes
No
Decontamination was not performed or refused

D11e. What was the measurement after decontamination?

D11f. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

4
to

(If refused decontamination, then collect name and contact information in **Section X: Contact Information of Unregistered Individuals**.)

Instructions:

• Complete the following information **AFTER** the first wash.

D21. Is the individual still contaminated?
□Yes
□No
□Refused further screening

(If individual is not contaminated after first wash, send them to Registration Station)

Note: Individual who refused re-screening after first wash **cannot** be sent to the Clean Zone. Collect name and contact information in **Section X: Contact Information of Unregistered Individuals**. This will end their visit to this CRC.

D22a. If yes, contamination measurement: _____ D22b. Measurement units: \Box CPM \Box CPS \Box μ REM/hr \Box mREM/hr \Box μ Sv/hr \Box nSV/hr

D23. Specify the type of handheld detector used for measurement:
GM Pancake
Other:_____

D24a. Specify background measurement used: ______ D24b. Background measurement units: CPM CPS uREM/hr mREM/hr uSv/hr onSV/hr

D25. Did individual receive second wash? \Box Yes \Box No \Box Refused second wash

D26. Is the individual still contaminated after the second wash?
□Yes
□ No
□Refused further screening

D27a. If yes, contamination measurement: ____

D27b. Measurement units: CPM CPS uREM/hr mREM/hr SV/hr SV/hr

SECTION E. REGISTRATION STATION



This station will collect information on demographics, contact information, and epidemiological information. Due to the large amount of information collected during registration, this station will need additional staffing. This information will be used for integration into a long term registry or if the individual needs additional follow up such as a medical referral or dose assessments. After registration is complete, staff will direct individuals to the Radiation Dose Assessment Station, if necessary.

Section-specific instructions:

- 1. All italicized questions will be answered by the individual.
- 2. If individual refuses registration, send them to Discharge Station. If individual accepts registration, it is mandatory to complete questions **E4**, **E5**, **E6**, **E7**, **E8**, **E9a**, **E9b**, **E9c**, **E9e**, **E16**, **E22** and **E23**. These question numbers have been bolded.
- 3. For infants (less than one year of age), record age in months.
- 4. For question **E11**, if the individual answers **No**, **Don't know**, or **Refuse to answer**, please **SKIP** to question **E15a**. If individual answers **yes**, complete remaining information in the section.
- 5. For questions **E16–E18**, show individual the <u>map</u> with the <u>location</u> of the explosion and the <u>marked area</u> around this location.
- 6. For questions **E21a_1–E21e_1**, if individual remembers **all** or **some of the locations** they visited from [time and date] before visiting the CRC, please enter location information.
- **NOTE**: Send the individuals to Radiation Dose Assessment Station, if they are in any of these categories:
 - Individuals who have radiation contamination detected during radiation screening (questions C2, C7, D6, D7, D17, D21, D26)
 - OR
 - Individuals who were in a high dose rate zone (see question E16)
 OR
 - 3. Individuals who have prodromal signs and symptoms (vomiting more than once) due to possible acute radiation syndrome (see questions **E22–E23**)

NOTE: Incidents involving large numbers of contaminated individuals may overwhelm existing radiation dose assessment resources. In these instances, consider modifying the criteria for referral to Radiation Dose Assessment Station such as indicated in #4.

- 4. Individuals who had an initial screening result above screening criteria (see questions **B5, D15**) <u>AND</u> answered **Yes** to **ANY** of the following questions:
 - **B7, D17.** Was contamination detected in the breathing zone (face and/or shoulders)?
 - **C2, D15.** Is the individual still contaminated after the wash/decontamination has been completed?
 - **D6**. If referred for open wound(s), did the individual have radiation contamination detected in open wound(s)?
 - D7. If referred for burn(s), did the individual have radiation contamination detected in burn(s)?
 - E6. Individuals who are <18 years of age
 - **E8a**. Individuals who answer Yes or Don't know for pregnancy
 - **E8b**. Individuals who answer Yes to breastfeeding
 - E16. Were you within the high dose rate area (shown on the map) after [time] on [date]?

- **E18.** Were you within the area (shown on the map) after [time] on [date]?
- **E22**. Since the incident, has registrant experienced any of the following symptoms? Domiting once Domiting more than once Diarrhea Fever
- **E23.** Since the incident, has registrant experienced any of the following symptoms? wore than once Diarrhea Fever

Questions:

E1. Due to large number of individuals and limited resources, ONLY basic information (see questions in BOLD) about the individual was collected: \Box Yes \Box No

E2. Do you: □accept OR □refuse registration? (In case of minor (under the age of 18), obtain consent from a parent or a guardian) (If refused, please send them to Discharge Station)

E3. Who is providing information for this section?
Registrant (Individual)
Family member
Translator
Don't know
Other: _____

E4. Name (Last, First, Middle Initial): ______

E5. Date of birth (MM/DD/YYYY): _ _ / _ _ / _ _ _ /

E6. *Age*: _____ Gentreform Years Gentreform Months

E7. Sex: Dale Defemble Refuse to answer

E8a. Are you currently pregnant? (For females **ONLY**) \Box Yes \Box No \Box Don't know \Box Refuse to answer E8b. Are you currently breastfeeding? (For females **ONLY**) \Box Yes \Box No \Box Don't know \Box Refuse to answer

What is registrant's?:

E10. *How many people live at this address (including yourself)*? __ Don't Know DRefuse to Answer

E11. In case of emergency, can you provide the contact information for a person who does not live with you and can always reach you? \Box Yes \Box No \Box Don't know \Box Refuse to answer

E12. What is that person's?: E12a. Name (Last, First, Middle Initial): __________ None Don't know Refuse to answer E12b. Home phone number: (_____) _____ None Don't know Refuse to answer E12c. Work phone number: (_____) _____ None Don't know Refuse to answer E12d. Cell/other phone number: (_____) _____ None Don't know Refuse to answer E12e. Email address: ______ None Don't know Refuse to answer E12f. Mailing address: Street _____ City ____ State __Zip ____ Don't know Refuse to answer

E13. Is there a second person who does not live with you and can always reach you?

□Yes □No □Don't know □Refuse to answer

E14. What is that person's?: E14a. Name (Last, First, Middle Initial): _________ = ______ = None Don't know Refuse to answer E14b. Home phone number: (_____) _____ = _____ = None Don't know Refuse to answer E14c. Work phone number: (_____) _____ = _____ = None Don't know Refuse to answer E14d. Cell/other phone number: (_____) _____ = _____ = None Don't know Refuse to answer E14e. Email address: ______ = None Don't know Refuse to answer E14f. Mailing address: Street ______ City ______ State ___Zip_____ = Don't know Refuse to answer

- E15a. Before the incident, did you have any of the following conditions? (Check all that apply) Chronic illness
 Physical disability
 Other disability
 None
 Don't know
 Refuse to answer
- E15b. *Please describe your condition(s)*: _____ □Does not apply

Instructions:

- The following questions are related to the incident
- **E16.** Were you within the area (shown on the map) after [time] on [date]? □Yes □No □Don't know □Refuse to answer
- E17. At the time [time and date] of the incident, were you:

□Inside a single-story building or structure but not in basement

□Inside a multi-story building or structure but not in basement; specify floor location

(where ground floor= 0):____ □Basement or underground facility

□Inside a car or other vehicle

□Outside

□Don't know

□Refuse to answer

E18. *Were you present at the time and place of the incident as* (Check all that apply):

Resident
Passerby
Responder or rescue worker
Deployed government official
Clean-up worker
Non-governmental organization/site volunteer
Don't know
Refuse to answer

E19. Who is your current employer/volunteer organization? (For First Responders, Rescue Worker, Deployed government official, Clean-up worker or Volunteers ONLY)

Instructions:

- Starting with the time of the incident, please work forward, listing all locations from the incident until now.
- If individual remembers all or some of the locations, please record the following information.
- By default, three locations are provided on the CRC Tool. If more locations are needed, a maximum of 10 locations are provided.

E20. How many locations have you been to since the incident?

Location 1:

- E21a_1. Do you know your exact location at the time of the incident? □Yes □No □Don't know the exact location □Refuse to answer
- E21b_1. If you do remember, please provide the address: _
- E21c_1. If you do not know the exact location or refuses to answer, please name the nearest building, intersection, or landmark: _____ Don't know Refuse to answer
- E21d_1. *Did you take shelter in place at this location?* _Yes _No _Don't know _Refuse to answer
- E21e_1. How long did you stay at this location? Start date (MM/DD/YYYY) at this location: __/ __/ ____ Start time (Military time): __: __ End date (MM/DD/YYYY) at this location: __/ __/ ____ End time (Military time): __: __ Don't Know □Refuse to Answer
- **E22.** Since the incident, have you experienced any of the following symptoms?
 - Vomiting once
 Vomiting more than once
 Diarrhea
 Fever
 None
 Don't know
 Refuse to answer
- E23. If you vomited, when did it start after incident [date and time]?
 - less than 1 hour
 1-2 hours
 3-6 hours
 more than 6hrs
 - □Don't know

□Refuse to answer

□Unknown □N/A



This station is staffed by medical professionals and health physicists to assess the risk and magnitude of radiation exposure and/or internal contamination of persons being screened. Further activities such as collection of blood or urine samples, decisions for urgent referral for medical care or treatment, or internal contamination screening may also take place at this station. Data collected in this section will allow risk stratification based on the person's exposure or intake.

Section-specific instructions:

In this section please make the following assessments:

- Individual is at risk for possible acute radiation syndrome (ARS), if they meet the following conditions:

 Individual was in a high dose rate zone (see questions E16).
 - OR
- 2. Individual has potential prodromal signs and symptoms due to acute radiation syndrome (see questions E22–E23)
- 3. Individual is at risk for possible internal contamination if they meet the following conditions:
 - Individuals who had an initial screening result above screening criteria (see question **B5, D15**) **AND**
 - Answered **Yes** to **ANY** of the following questions:
 - **B7, D17.** Was contamination detected in the breathing zone (face and/or shoulders)?
 - **C2**, **D15**. Is the individual still contaminated after the wash/decontamination has been completed?
 - **D6**. If referred for open wound(s), did the individual have radiation contamination detected in open wound(s)?
 - **D7**. If referred for burn(s), did the individual have radiation contamination detected in burn(s)?
 - E6. Individuals who are <18 years of age
 - E8a. Individuals who answer Yes or Don't know for pregnancy
 - E8b. Individuals who answer Yes to breastfeeding
 - E16. Were you within the high dose rate area (shown on the map) after [time] on [date]?
 - E22. Since the incident, has registrant experienced any of the following symptoms?
 □Vomiting once □Vomiting more than once □Diarrhea □Fever
- Also, consider collection of urine and/or blood sample and/or referral to a medical facility as indicated.
- If the individual responds with **No** or **Refused to provide a urine and/or blood** sample for question **F3a and/or F4a**, send them to the Discharge Station (Section G).
- All italicized questions will be answered by the individual.

Questions:

F1. *Did you receive nuclear medicine or radiation therapy procedures during the last 30 days?* Examples include cardiac stress test, lung scan, PET scan, bone scan, thyroid uptake or ablation, external radiation beam therapy, and implanted radioactive seeds (brachytherapy).

□Yes □No □Don't know □Refuse to answer

F2.	ased on previous instructions (see above), is individual at risk for:
[Acute Radiation Syndrome

Internal contamination

□Both

 \Box Neither

□Risk cannot be determined

F3a. Was urine sample collected? \Box Yes \Box No \Box Refused to provide urine sample F3b. If yes, date of urine sample (MM/DD/YYYY):__/__/___ F3c. If yes, time of urine sample (Military Time):__:__

F3d. Record laboratory barcode label for urine sample here: ______

F4a. Was blood sample collected? □Yes □No □Refused to provide blood sample F4b. If yes, date of blood sample (MM/DD/YYYY):__/__/___ F4c. If yes, time of blood sample (Military Time): __: __ F4d. Record laboratory barcode label for blood sample here: _____

F5. What is your height? _____ Feet _____ Inches Don't know

F6. What is your weight? _____ (Pounds) □Don't know



Staff at discharge station may arrange referrals to medical facilities, shelters or other sites. Mental health counseling may also be provided by professionals. Data collected at this station reflects where people are going after they leave the CRC.

Section-specific instructions:

- If individual needs counseling information, refer them to mental health professional.
- If individual needs further care, provide referral.
- All italicized questions will be answered by the individual.

Questions:

- G1a. Where will you be going after leaving the CRC?
- □Home (as listed in E9e) □Healthcare facility □Shelter □Other
- G1b. If healthcare facility, provide name and address: _____
- G1c. If shelter, provide name and address: _____
- G1d. If other, provide name and address: _____

G2. Do you need/want mental health counseling?
_Yes
_No
_Don't know

- G3. Do you need health care facility referral?

 Yes
 No
 Don't know
- G4. Do you need family reunification desk information?

 Yes
 No
 Don't know
- G5. *Do you have any additional questions?* \Box Yes \Box No

G6. If registrant has additional questions, please specify: ______

SECTION X. CONTACT INFORMATION OF UNREGISTERED INDIVIDUALS

Staff will collect contact information of unregistered individuals as necessary throughout the flow of the CRC. NOTE: This is NOT an official station of a CRC; hence not shown in Figure 1.

Section-specific instructions:

- Collect contact information of those who were NOT registered at the Registration Station.
- All italicized questions will be answered by the individual.

Questions:

X1a. Last Name:	X1b. First Name:	X1c. <i>Mid</i>	X1c. Middle Initial:	
X2. Age: □Ye	ars DMonths			
X3. Home phone number: ()	□None □Don't l	know □Refuse to answer	
X4. Work phone number: ()	□None □Don't k	now □Refuse to answer	
X5. Cell/other phone number	: ()	None □Do	n't know □Refuse to answer	
X6. Email address:	□None □Don't kr	now □Refuse to answ	er	
X7. Mailing address: Street _	City	State Zip	□Don't know □Refuse to answe	