Key Informant Debriefing Questions and Interviews

for U.S. Radiologic Technologists Study – 4th Fourth Survey

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U.S. Radiologic Technologists Study – 4th Fourth Survey Key Informant Debriefing Questions: Work History, Birth and Infancy, Medical History, Night Shift Work

Interview date	e://2	2011	Interviewer:		
Study ID:		Start time	e: am/pm	End time:	_ am/pm
General comme	nts about questio	onnaire:			
G.1. Did you ha □Yes □ No → If que		_	estionnaire? eed; otherwise schedule cal	l-back appointment.)	
G.2. Overall, wl Very easy Somewha	to do t easy to do	mpression of th	ne questionnaire? Do	you think it looks	
	cult to do →	Teu me more ave	ou mu		
questions?			change once you start		nd read the
□ No change □ Changed →	In what way did ii	t change?			
IF YES: How	so? ge and question num		y questions that stoods comments. If applicable le	·	t to the question
Page# and Question #'s	R's comments				

Work History Section

[In the interest of time, we've divided the questionnaire up to talk with different participants about different sections of the questionnaire. So we won't be going through the entire questionnaire in detail with each person.]

Now I'd like to ask you about the questions in the Work History section on page 2.

□ No □ Yes →	Comme	nts:																			
	o. What arrange					bou	t the s	size	e of t	he prin	tin	ng (foi	nt) o	r the	e way	y the	e qu	esti	ons	are	<u>,</u>
	Comme	nts:																			
! !	c. Overa □ Very □ Some	easy what	to i	follo sy to	w o fol	low															
	⊐ Some ⊐ Very						low –	→	Te	ll me m	or	e aboi	ut the	at							
.2.a. Look □ No □ Yes	\rightarrow	he In		duc	tion	, do	you f	eel	the	term <u>r</u>	<u>adi</u>	ation	<u>tech</u>	nolo	<u>gist</u>	app	lies	to y	ou?	<u> </u>	
W.2.1	o. In gen									e way t					olog	ists	who	are	e ce	rtif	ied o
	□ No □ Yes						v not? er way		refe	er to thi	is g	roup?	•								
.4.a. Look	_	Ques	tio	n 8,	wou	ld y	ou be	ab	ole to	provi	de y	your l	ifeti	me r	adia	tior	ı do	se?			
□ No □ Yes		Why	(no	t)?																	
*** 4 1	o. How	C.				1	l4 <i>4</i>	l l a a	.4		F	1-not	1 2	2 3	4	5	6	7	8	9	10-ve

		try to make an educated mark the box for unkno	d guess,	answer this question? Would you
		leave blank, or something else? →	Explain:	
	orked as	ease look at Question 10 a radiation technologist	<u>-</u>	le to estimate the # of hours per week you ne periods?
	□ No □ Yes	Why (not)?		
]	Could you tell me how yo Probe: What helps you r time periods?	_	vith these estimates? nd 'how much' you were working in these
	Ехр	olain:		
	If ha	rd to do: W.5.c. What die	d you find most dif	ficult in answering this question?
	Exp	olain:		
	info	Iow confident are you ab mation, on a scale of 1-1 and 10 high)?		1-not 2 3 4 5 6 7 8 9 10-very confident Explain:
W.6.a.	Now loc	oking at Question 11, wo	uld you be able to a	nnswer this question?
	□ No→ □ Yes	Explain:		
	W.6.b. I □ No	Do you have any other co	omments about this	s question?
	□ Yes→	Explain:		

	o→ Why (not)?						
□ Y (es →							
W.7	'.b. Do you hav o	e any other comments about this	question?					
	□ Yes →	Explain:						
		e you able to estimate the # of tir time periods listed?	nes in a <u>typic</u>	al wee	k you d	id eac	ch of t	hese
\square N	$\begin{array}{c} o \rightarrow \\ es \rightarrow \end{array} \begin{array}{c} Why (n) \\ \end{array}$							
W.8	•	ell me how you would come up w t helps you remember what proc n?				ars ar	nd hov	w often
	Explain:							
W.8	s.c. What do yo	u find is the most difficult part of	f coming up v	with th	ese estir	nates	?	
	Explain:							
W O	. 1 TT - 6º 1							
W.8		ent would you be about your scale of 1 -10 (with 1 being low high),?	1-not 2 confident Explain:	3 4	5 6	7	8 9	10-very confiden
	answers, on a and 10 being h	scale of 1 -10 (with 1 being low	confident Explain:	3 4	5 6	7	8 9	
V.9.a. Wo u	answers, on a and 10 being h	scale of 1 -10 (with 1 being low high),?	confident Explain:	3 4	5 6	7	8 9	

Birth, infancy and medical history questions

□ No → □ Yes	Explain (include	Question # with comments):								
		t are you about that n a scale of 1-10 (with 1 being ing high)?	1-not 2 confident Explain:	3	4 5	6 6	7	8		0-very confiden
inform Probe:	ation about you	ut family history of cancer. How ir parents, siblings or children? on the relative?	•	hat y	you w	ould	kno	ow tl	his	
		t are you about that n a scale of 1-10 (with 1 being ing high) ?	1-not 2 confident Explain:	3	4 5	6 6	7	8		0-very confiden
B.2.c	. Is there anyth	ning in the instructions or forma	at that was co	onfus	sing o	r unc	clear	r to	you?	•
	□ No □ Yes →	ain:								
	_	this page, Question 33, asks abo e. Would you be able to answer	_		lical f	acilit	ty oı	· cliı	nic' i	for
□ No → □ Yes	Explain:									
□ Yes	o. Do you think	of these exams (listed) as <u>routin</u> y (not)? Probe: What does 'routin			_	ean to	o yo	u?		

B.3.c. WOMEN ONLY: Women may see the same doctor, or different doctors, for gynecologic

and other physical exams. Could you talk me through how you would answer this question? Probe: Would you report a physical exam that included a gyn exam as one or two exams?
1100c. Would you report a physical exam that included a gyn exam as one of two exams:
B.3.d. MEN AND WOMEN: What helps you remember the number of exams you've had at various ages?
Explain:
B.3.e. How confident would you feel about your estimates for this question, on a scale of 1-10 (with 1 being low and 10 being high)? The confident 2 3 4 5 6 7 8 9 10-very confident
Nightshift Work
The last section I want to ask you about is on Page 12.
N.1. Did you work nights shifts at any job during your life? □ No → Probe re: ALL jobs vs. only RT jobs □ Yes □ IF NO: N.1.b. Do/did you work with others who worked nightshifts? □ No SKIP TO WRAP-UP AND CLOSING □ Yes
N.1.c. How easy or hard would it be to answer these questions about PERMANENT nightshift work? Would you say
 □ Very easy □ Somewhat easy □ Somewhat difficult Tell me more about that?
□ Very difficult →
□ Not applicable
N.1.d. Would that change if you were answering the same questions about ROTATING OR ON-CALL night shifts?
□ Same □ Changed → In what way did it change?
□ Not applicable

Wrap-up and closing

Thank you for reviewing the questions and speaking with me today. Do you have any additional questions? (record in grid on page 1)

We really appreciate your taking time to help us. Good day!

U.S. Radiologic Technologists Study – 4th Fourth Survey Key Informant Questions: Personal Medical Exams

Interview date://2011		Interviewer:		
Study ID:	Start time:	am/pm	End time:	am/pm
General comments about questionnaire	e:			
G.1. Did you have a chance to look over □Yes □ No → If questionnaire is readily available	_		k appointment.)	
G.2. Overall, what is your <u>first impress</u> Uery easy to do Somewhat easy to do	sion of the question	nnaire? Do you	think it looks	
□ A bit difficult to do□ Very difficult to	Tell me more about t	that		
G.3. Did your feelings about the questions? □ No change	onnaire change on	ce you started t	o page through ar	nd read the
□ Changed → In what way did it changed	ze? 			
G.4. When you paged through it, were IF YES: How so? Make note of page and question numbers alo later in the interview.	· -		•	to the question
Page# and R's comments Question #'s				

Personal Diagnostic Radiation Exa	ersonal	d Diagnostic	Radiation	Exam
--	---------	--------------	-----------	------

[In the interest of time, we've divided the questionnaire up to talk with different participants about different sections of the questionnaire. So we won't be going through the entire questionnaire in detail with each person.]

I'd like to talk with you a bit more about some of the questions in this survey. Could you turn to page 5, the section on Personal DIAGNOSTIC Radiation Exams? Did you review this section? (no...give R time to quickly skim)

	Very easy Somewhat easy Somewhat difficult → Very difficult →	Tell me more about that?
•	•	up with these estimates? probe: What helps you remember which years – and how often you had them?
	Tell me more about that?	
	anything about the instr er to provide this inform	uctions or the layout for pages 5-6 that could be improved to make ation?
□ No → □ Yes	Tell me more about that?	
P.4. Looking	ence, how easy or hard v	19 (page 5), for example, exams of the spine. Based on your would it be for you to report the specific type(s) and number of
experi	exam(s) as they are listed	••
experi spine	exam(s) as they are listed Very easy Somewhat easy Very difficult → Very difficult	Tell me more about that?
experi spine o	Very easy Somewhat easy Very difficult → Very difficult →	Γ

□ No □ Yes → Explain:								
P.7. On page 7, question 20 asks about radionuclide THE comments about this question?	RAPY proce	dure	s. Do	o yo	u ha	ve an	ı y	
□ No □ Yes → Explain:								
P.8. In Question 21, what would you say is the hardest parabout x-ray THERAPY procedures that were perfection.						e que	estio	ns
Comments								
P.9. Thinking about any/all of the personal medical	confident	2 3	4	5	6	7 8	9	10-very confider
procedures listed on pages 5-7, how confident would you be about the accuracy of the information you would report on the questionnaire, on a scale of 1-10 (with 1 being low and 10 high)?	Explain:							
would you be about the accuracy of the information you would report on the questionnaire, on a scale of 1-10 (with 1 being low	Explain:							

We really appreciate your taking time to help us. Good day!

Attachment C
U.S. Radiologic Technologists Study – 4th Fourth Survey
Key Informant Questions: Physical Activity, Sleep Patterns, Vitamin Use, Sun Exposure

Interview date:	/	/2011	Int	terviewe	r:		
Study ID:							am/pm
General comment	s about questi	ionnaire	:				
G.1. Did you have □Yes □ No → If question			_		edule call-bac	k appointment.)	
G.2. Overall, wha	o do	impress	sion of the qu	estionnair	e? Do you	think it looks	
□ Somewhat o □ Abit difficu □ Very difficu	lt to do →	Tell me	more about that	•••			
G.3. Did your feel questions? □ No change □ Changed →	lings about th			ge once yo	ou started t	o page through	1 and read the
G.4. When you pa IF YES: How so Make note of page later in the intervio	? and question nu					•	pack to the question
Page# and Question #'s	R's comments						

B.3.e. How confident would you feel about your estimates for this question, on a scale of 1-10 (with 1 being low and 10 being high)?

Physical Activity	
Moving on to page 10	
during the PAST YEAR. W □ Very easy	t be for you to answer questions 34 and 35 on physical activity ould you say
□ Somewhat easy □ Somewhat difficult → Somewhat difficult → Somewhat difficult → Somewhat easy	
PA.2. Were your answers focused o	nly on the PAST YEAR?
☐ Yes If no, tell me more a	bout that?
PA.3. Was the layout of these quest Probe: Would you know how	· · · · · · · · · · · · · · · · · · ·
□ No → □ Yes If no, tell me more a	bout that?
Sleep patterns	
The next questions are about sleep p S.1. Looking through questions 36 t sleep patterns over the PAST Y	through 40, how easy or hard would it be to answer about your
Would you say □ Very easy □ Somewhat easy	Tell me more about that? (include Q# w/comments)
□ Somewhat easy □ Somewhat difficult → □ Very difficult →	
S.2. Do the response categories, in e	each of these questions (36-40) make sense for your sleep patterns?
$\neg N_0 \rightarrow \overline{}$	change them? How would you mark it? (include Q#

On the top of page 11, Question 41, we ask about vitamin use during the PAST YEAR.

-	ou have	any trouble answering this question a	about taking supplements?
□ No □ Yes →	Explai	in	
Have you □ No □ Yes →		multi-vitamins during the PAST YEA	R?
	-	you have any trouble reporting the bra	and name?
□ 1 □ 1	No Yes →	Explain. Probe: How would you answ	ver? Would you guess or leave blank?
Have you □ No □ Yes →		calcium during the PAST YEAR?	
□ 1	No→ ┌	you know the total dosage per day you Explain. Probe: How would you answe	
daily do	osage of	nfident would you be about your f calcium, on a scale of 1-10 (with 1 10 being high)?	1-not 2 3 4 5 6 7 8 9 10-very confident Explain:
Have you □ No □ Yes →		vitamin D during the PAST YEAR?	
		you know the total dosage per day you	ı were taking?
	No → Yes	Explain. Probe: How would you answ	wer? Would you guess or leave blank?

1-not confident

10-very confident

V.4.b. How confident would y daily dosage of Vitamin D, on 1 being low and 10 being high	a scale of 1-10 (with	Explain:							
Sunlamp & tanning Booth									
Now I'd like you to look at the next t	two questions (42 & 43)	on sunlamp	s and	l tanı	ning l	boo	ths.		
T.1. How easy or hard would it be for a Very easy □ Somewhat easy □ Somewhat difficult → Very difficult	Tell me more about that		Woul	d you	ı say	•••			
T.2. Have you ever used a sunlamp o □ No □ Yes →	or tanning booth?								
T.2a. How confident would y answers to these questions (4:1-10 (with 1 being low and 10))	1-not 2 confident Explain:	3	4 5	6	7	8	9	10-very confident	
Sun Exposure									
The last section I want to review with SE.1. How easy or hard would it be f Would you say □ Very easy □ Somewhat easy □ Somewhat difficult → Very difficult		tion 44 for th				-	Ü		
SE.2. Now turn to the top of page 12 question? □ No □ Yes → Tell me more about t		ou have any	troub	ole ar	ıswer	ring	this	s	

Wrap-up and closing

Thank you for reviewing the questions and speaking with me today. Do you have any additional questions? $(record\ in\ grid\ on\ page\ 1)$

We really appreciate your taking time to help us. Good day!

U.S. Radiologic Technologists Study – 4th Fourth Survey Key Informant Interview: NUCLEAR MEDICINE Module

Inte	rview dat	te:	//20	011 Int	erviewer:		
Stud	y ID:		Start	t time:	am/pm	End time:	am/pm
NM1.	☐ Yes ☐ No → I	f questic	onnaire is rea	over the quest adily available t e call-back app	to R, proceed wit	h discussion; if ques	tionnaire has
NM2.	☐ Very eas☐ Somewh	y to do at easy at diffic	to do ult to do →	pression of the	e questionnaire?	Would you say tha	t it looked:
NM3.	Did your fe the questi No chang Changed	ons?	what way di		ange once you st	arted to page throu	gh and read
DIAG	SNOSTIC I	RADIOIS	OTOPE PROC	CEDURES AND	WORK PRACTICE	ES	
		-		stions on <u>diag</u> p of page 2. [p		pe procedures and	work practices
NM5.	-	s for eac	ch of the tim	e periods liste	d?	d DIAGNOSTIC RAD	
	- 1 69	possibi	le)				

Somewhat difficult	take note of first th	ecific procedure category if possible; if many comments, ree and note respondent had many additional; encoura <u>c</u> de additional comments with completed questionnaire):
•	•	with your answers? [pause] Probe: That is, what I, how often you did them, and in which time
Comments	:	
answers to Q	it are you about your uestion 4, on a scale 1 being low and 10	1-not 2 3 4 5 6 7 8 9 10-very confident Explain:
•	time periods? For exa	time to recall number of diagnostic procedures you mple, "how many times per":
		of times per week" you performed a procedure,
		estion read: "number of times per <u>calendar</u> "

	NM11. Does having the radionuclides listed for each type of procedure make it <u>easier or</u> <u>harder</u> to answer this question?									
	□ Easier → □ Harder →	Explain:								
Now turning to p	pages 4 and 5, ar	nd still focusing on di	agnostic ra	dioisot	ope pr	ocedu	res[paus	e]	
		to answer the questi	ons on the	se two	pages?					
	hat easy→	Explain (indicate spe	ecific quest	ion if po	ssible)					
☐ Somew ☐ Very dif	hat difficult → ficult →									
NM13. How conf	ا ident are vou al	oout your answers	1-not	2 2		161	7 6		10-very	
to questions	•	le of 1-10 (with 1	confident	2 3	4 5	6	7 8	3 9	confident	
being low at	id 10 being ingi	ıy:	Explain:							
THERAPEUTIC	C RADIOISOTOP	E PROCEDURES AND	WORK PRA	ACTICIES	S					
Now let's talk ah	out the guestio	ns related to <u>therape</u>	outic radioi	sotone	nroced	ures a	nd w	ork r	ractices	
		o of page 6 with ques					iiia w	OIK P	nactices.	
procedure		e the number of yea e time periods listed		ormed	THERA	PEUTI	C RAI	OIOIS	ОТОРЕ	
□ 1C3	Explain. Probe:	What made it difficu	lt? (indicat	te specij	fic proc	edure	categ	iory ij	f	

NM15. Question 11 lists some protein this question? Would you		ses. How e	asy or	hard w	vas it f	or yo	ou to a	inswer
□ Very easy → □ Somewhat easy → □ Somewhat difficult → □ Very difficu								ble):
NM16. Could you tell me you recall proced Comments:	how you came up v ures you did, how o	-						-
NM17. How confident ar answers to Quest scale of 1-10 (wit and 10 being high	tion 11, on a h 1 being low	1-not confident Explain:	2 3	4	5 6	7	8 9	0 10-very confident
NM18. What do you thin you did in differe day week month other: Spec	nt time periods? Fo				-	-	-	cedures
Now turning to page 7 and flipping procedures)[pause]						radio	oisoto	oe
NM19. How easy or hard was it t ☐ Very easy→ ☐ Somewhat easy→ ☐ Somewhat difficult → ☐ Very difficult →	Explain (indicate							
NM20. How confident are you ab to these questions, on a sca being low and 10 being hig	ale of 1-10 (with 1	1-not confident Explain:	2 3	4	5 6	7	8 9	9 10-very confident

The last few o	questions	are about the ques	stionnaire overall.
NM21. In gen you?	eral, thin	king about the who	ole questionnaire, did the order of the sections make sense to
	(if neede	= -	ler is all DIAGNOSTIC before all THERAPEUTIC n all PROCEDURES before all work PRACTICES).
□ No→ □ Yes	Explain.	What would you o	change?
NM22. Thinki	_	the words and terr	ns used in this questionnaire overall, would you say they
□ Vei □ Sor □ Sor	ry easy to newhat e newhat d	•	Explain:
	d you ma r to do?	ke any changes to t	the instructions or layout of any of the questions to make it
□ No □ Yes		Comments:	
	he question		y questions that were especially difficult or time-consuming
□ No □ Yes	Г	Comments:	
NM25. Do yo	u have ar	ny other suggestion	ns for improvement?
□ No □ Yes	s →	Comments:	

Thank you for completing the questionnaire and speaking with me today. Do you have any additional questions? We really appreciate your taking time to help us. Good day!

U.S. Radiologic Technologists Study – 4th Fourth Survey Key Informant Interview: FLUOROSCOPY-GUIDED Module

Interview date:/	/2011	Interviewer:		
Study ID:Sta	art time:_	am/pm	End time:	am/pm
General comments about quest	ionnaire:			
FG.1. Did you have a chance to fill Yes No -> If questionnaire is read appointment.)			rise schedule call-back	
FG.2. Overall, what was your first i ☐ Very easy to do ☐ Somewhat easy to do ☐ Somewhat difficult to do → ☐ Very difficult to do →	explain:	f the questionnaire?	Would you say that i	t looked:
FG.3. Did your feelings about the c □ No change □ Changed → explain: □ Probe: How so?			·	uestions?
FG.4. Do you have any comments a different time periods? □ No □ Yes → comments: □ Probe: Would you make an		out of the questions,	specifically the section	ons with
FG.5. Did you have any problems under the procedures or questions did □ No □ Yes → comments: □ Probe: Tell me about that.	not apply to	you?	·	stionnaire

_	g to page 2, were you able to estimate the number of years you performed cally-guided interventional procedures for each of the time periods listed? Explain. Probe: What made it difficult? (indicate specific procedure category if possible)									
the variou Very each Somew	us procedures a asy→ hat easy→ hat difficult →	different procedures. and time periods listed Explain (indicate spec	l? Would y	ou say it	was			is qu	estion for	
	•	about your answers, ing low and 10 being	1-not confident Explain:	2 3	4 !	5 6	7	8 9	2 10-very confident	
	•	dures in two ways. Fo and additional lines fo	•			-	edure	es the	re is a line	
FG.9a	☐ ALL proced	f listing procedures wa lures combined → s listed separately→	es easier for Explain:	you to	comple	ete?				
FG.9.l	\square ALL proced	of listing procedures produces produces combined → solutions separately →	rovides bett Explain:	ter infor	mation	ı abou	it you	r wor	k history?	

	:
umber of the mes per "; week month	o you think is the best unit of time (per week, per month, other) to estimate the se procedures you performed in different time periods? For example, the number of the second s
erformed the	have any trouble estimating the percentage of time you were "scrubbed" when you see procedures?
G.13. Did the □ No→ □ Yes	names of the procedures make sense to you? explain/suggest better terminology (specify procedure category)

FG.15. Do you have any other comments on this qu	estion (#4)	?								
□ No										
☐ Yes→explain:										
	_									
FG.16. Turning to the back page (page 4), Question !										
measures used during different time periods when	you were p	erto	rmi	ng ti	uord	sco	pica	lly-g	uid	ed
interventional procedures?										
□ No→explain:										
□ Yes										
	_		_							
FG.17. Did you have any trouble with the instructio	ns or know	ing	how	/ to ı	marl	you	ır ar	iswe	ers t	to this
question?										
□No										
☐ Yes→explain:										
FG.18. How confident are you about your	1-not	2	3	4	5	6	7	8	9	10-very
answers, on a scale of 1-10 (with 1 being low and	confident									confident
10 being high)?	Explain:									
	Lxpiaiii.									
FC 10 Milest about Quarties Counties and Manage				1	4		. 	• I		
FG.19. What about Question 6 on this page Were										
used during different time periods when you perfor	mea fluoro	sco	pica	ııy-g	uiae	a in	terv	enti	ona	1
procedures?										
□ No→explain:										
□ Yes										

10/18/2011

FG.20. Did you have any trouble with the instructio ☐ No ☐ Yes→explain:				•		swe	rs to	this	qu	estion?
FG.21. How confident are you about your answers, on a scale of 1-10 (with 1 being low and 10 being high)?	1-not confident Explain:	2	3	4	5	6	7	8	9	10-very confident
FG.22. Did the questionnaire contain any questions consuming for you to answer? Comments:	-				·	ecia	lly d	lifficu	ult (or time-
FG.23. Do you have any other suggestions for improvement? Comments										
Thank you for completing the questionnaire and spe	eaking with	n me	e too	lay.	Do y	ou f	nave	any	qu	estions?
We really appreciate your taking time to help us. Go	ood day!									