Attachment 1C

OMB #: 0925-0405 Expiration Date: xx/xx/20xx

# U.S. Radiologic Technologists Study Fourth Survey

A collaborative effort between the University of Minnesota School of Public Health, National Cancer Institute, and American Registry of Radiologic Technologists

### FLUOROSCOPICALLY-GUIDED INTERVENTIONAL MODULE

## INSTRUCTIONS: • USE BLUE OR BLACK INK • PRINT LEGIBLE NUMBERS AND CAPITAL BLOCK LETTERS IN THE BOXES: 1 2 3 A B C D • MARK CHECK BOXES: RIGHT WRONG PRIVACY ACT NOTIFICATION STATEMENT Collection of this information is authorized by

Collection of this information is authorized by The Public Health Service Act. Section 411 (42 USC 285a). Rights of study participants are protected by The Privacy Act of 1974. Please be assured that all information you provide will be kept private under the Privacy Act and will not be disclosed to anyone but the researchers conducting this study, except as otherwise required by law. Any published results from this survey will be reported in statistical summaries only and will never include a participant's name. Your participation in this study is completely voluntary and failure to answer any particular question or the information collection as a whole will not affect your future contacts with the University of Minnesota, the American Registry of Radiologic Technologists, or the National Institutes of Health.

Please fill out this module if you have ever performed fluoroscopically-guided interventional procedures REGULARLY (that is, <u>at least once a</u> <u>month for a year or more</u>).

- 1. What year did you begin performing fluoroscopically-guided interventional procedures REGULARLY?
- 2. What year did you last performing fluoroscopically-guided interventional procedures REGULARLY?



FIRST

YEAR

YEAR



NOTIFICATION TO RESPONDENT OF ESTIMATED BURDEN

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0405). Do not return the completed form to this address.

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3.	Within each time period shown, how many YEARS did you regularly
	perform FLUOROSCOPICALLY-GUIDED INTERVENTIONAL procedures?

Number of Years										
1965-1979	1980-1989	1990-1999	2000-2009							

4. For the following fluoroscopically-guided interventional procedures, please provide your best estimate of HOW MANY TIMES PER MONTH you performed these procedures during each time period and what PERCENT TIME YOU SCRUBBED to perform these procedures under sterile conditions. Please provide estimates for the overall procedure group (e.g. all cardiac procedures) and also for the selected individual procedures within each group.

NOTE: If you mark "never done" or "less than once in 6 months," leave the rest of the columns blank for that procedure.

		Less than	procedures in this time period and what percentage of the time were v							
FLUOROSCOPICALLY-GUIDED		once		5-1979		0-1989		-1999		-2009
INTERVENTIONAL PROCEDURE	Never done	in 6 months	# times	% time scrubbed	# times	% time scrubbed	# times	% time scrubbed	# times	% time scrubbed
All CARDIAC procedures										
Diagnostic catheterizations										
Percutaneous coronary interventions (PCI)										
Electrophysiology (EP) diagnostic studies										
Electrophysiology (EP) ablations										
Pacemaker or intracardiac defibrillator implantations										
All UROLOGIC procedures										
Percutaneous nephrolithotomy										
Nephrostomy										
All ORTHOPEDIC procedures										
Vertebroplasty										
Orthopedic extremity nailing										
All HEAD AND NECK procedures										
Endovascular therapeutic procedures										

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FLUOROSCOPICALLY-GUIDED INTERVENTIONAL PROCEDURE, cont.		Less than	nrocedures in this time period and what percentage of the time were you scrubbed?							
		once	1965-1979		1980-1989		1990-1999		2000-2009	
		in 6 months	# times	% time scrubbed	# times	% time scrubbed	# times	% time scrubbed	# times	% time scrubbed
All GASTROINTESTINAL procedures										
Biliary tract procedures										
Transjugular intrahepatic portosystemic shunts (TIPS)										
Endoscopic retrograde cholangiopancreatography (ERCP)										
All EMBOLIZATION procedures										
Fibroids										
Liver tumor										
Other tumor										
Bleeding (any site)										
OTHER procedures Port placement										
Peripherally inserted central catheter (PICC) placement										
Inferior Vena Cava (IVC) filter placement										
Aortic stent grafts										
Dialysis interventions										
Peripheral vascular interventions										

4. The following questions are about protective measures that you used when you performed FLUOROSCOPICALLY-GUIDED INTERVENTIONAL procedures.

PROTECTIVE	What PERCENTAGE OF THE TIME did you use these protective measures during each time period?						
MEASURES	1965-1979	1980-1989	1990-1999	2000-2009			
Leaded gloves	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Lead apron	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Thyroid shield	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Lead glasses	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Ceiling suspended shield	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Mobile floor shield	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			
Table mount shield	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>			

5. The following questions are about film or other radiation monitoring badges that you wore when you performed FLUOROSCOPICALLY-GUIDED INTERVENTIONAL procedures. The term *'lead'* refers to lead or lead-equivalent.

MONITORING	How many radiation monitoring badges did you usually wear during each time period?							
BADGES	1965-1979	1980-1989	1990-1999	2000-2009				
Number of badges worn	<ul> <li>Zero</li> <li>1</li> <li>2</li> <li>3</li> </ul>	<ul> <li>Zero</li> <li>1</li> <li>2</li> <li>3</li> </ul>	<ul> <li>Zero</li> <li>1</li> <li>2</li> <li>3</li> </ul>	<ul> <li>Zero</li> <li>1</li> <li>2</li> <li>3</li> </ul>				

TYPE AND PLACEMENT	What PERCENTAGE OF THE TIME did you use this type of radiation monitoring badge during each time period?							
OF BADGE	1965-1979	1980-1989	1990-1999	2000-2009				
Badge at neck	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>				
Did you usually wear the badge under lead?	☐ No ☐ Yes	<ul><li>No</li><li>Yes</li></ul>	☐ No ☐ Yes	<ul><li>No</li><li>Yes</li></ul>				
Badge at waist	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>	<ul> <li>Zero</li> <li>1-25%</li> <li>25-74</li> <li>75-99</li> <li>100</li> </ul>				
Did you usually wear the badge under lead?	No Yes	No Yes	<ul><li>No</li><li>Yes</li></ul>	No Yes				