

University of Washington
Former Hanford Worker Medical Monitoring Program

Summary of
Occupational History and Exposure Data
Phase II Year 8
Quarter 3, 2006

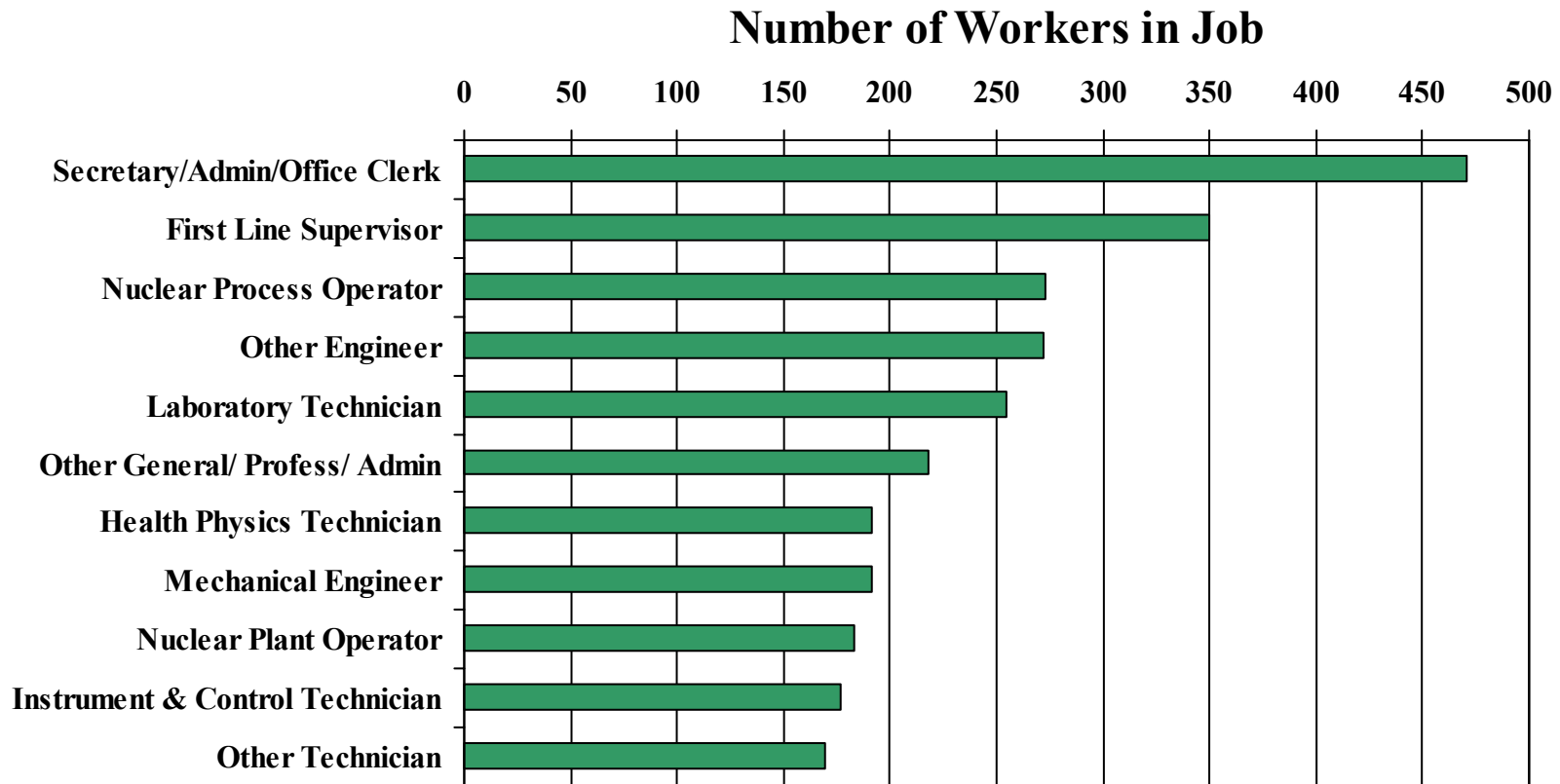
Contacts and Responses

	Number	Percent
Initial Contact Forms Mailed	52,817	
Outdated, Undeliverable Addresses \cong	4,019	7.6%
Responses	21,907	41.5%
Interested Respondents	8,180	15.5%
Eligible Respondents	5,852	10.7%
Willing to Participate	5,306	10.0%
Occupational History Survey Respondents	3,150	6.0%

Occupational History Survey

Most Common Job Titles

(N=6800 jobs)



Occupational History Survey

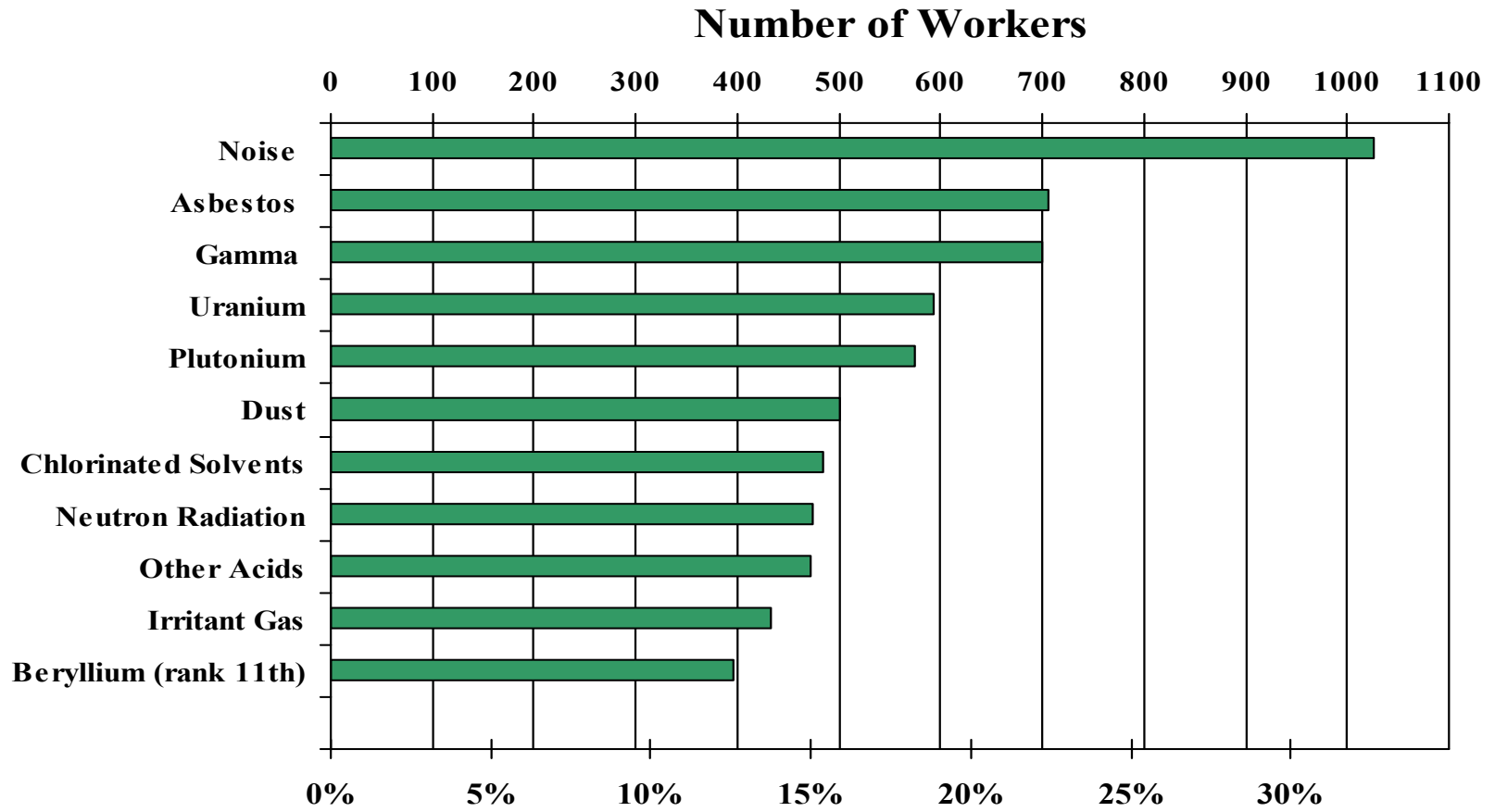
Most Common Job Titles

(N=6800 jobs)

Job Title	Number of Workers in Job
Secretary/Admin/Office Clerk	471
First Line Supervisor	350
Nuclear Process Operator	273
Other Engineer	272
Laboratory Technician	255
Other General/Prof/Admin	218
Health Physics Technician	191
Mechanical Engineer	191
Nuclear Plant Operator	183
Instrument/Control Technician	177
Other Technician	169
Engineering Technician	163
General Manager/Executive	154
Utilities Operator	145
Chemist	144
Chemical Engineer	134
Electrical Engineer	131
Electrician	130
Project & Program Manager	128
Plumber/Pipefitter	128

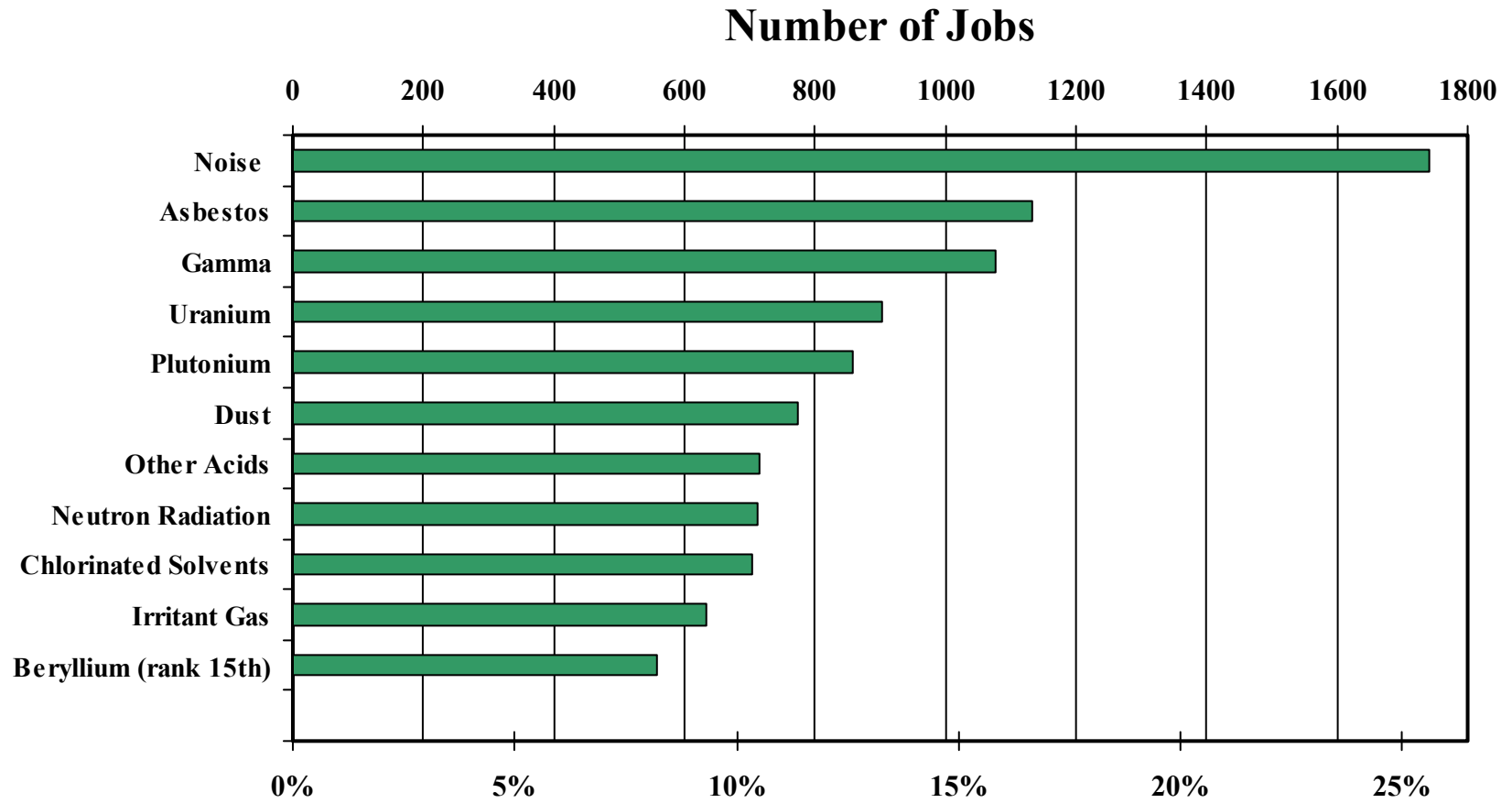
Top 10 Hazard Concern

(N=3150 workers)



Top 10 Hazard Concerns

(N=6800 jobs)

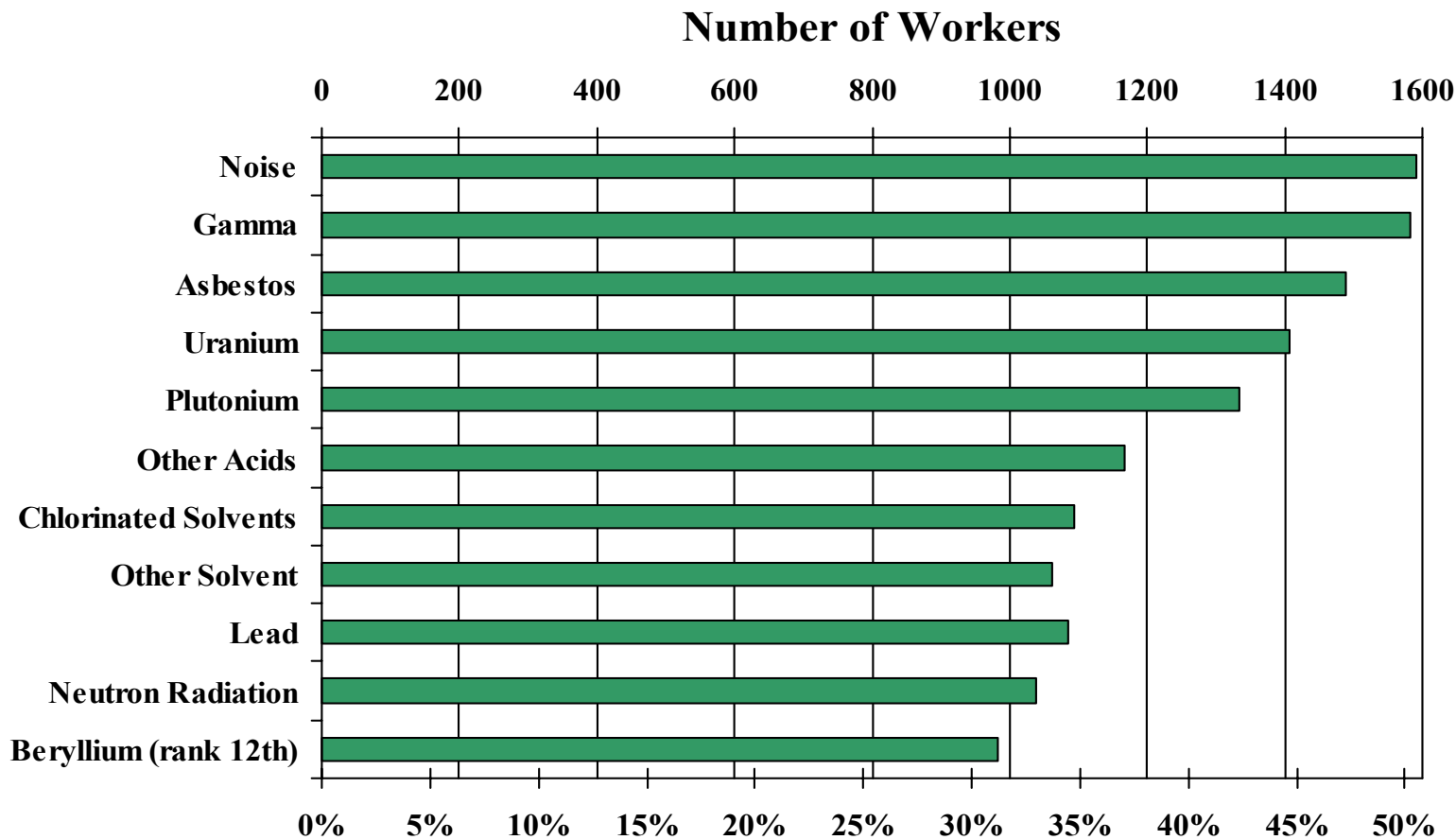


UW Former Hanford Worker Top 20 Hazard Concerns

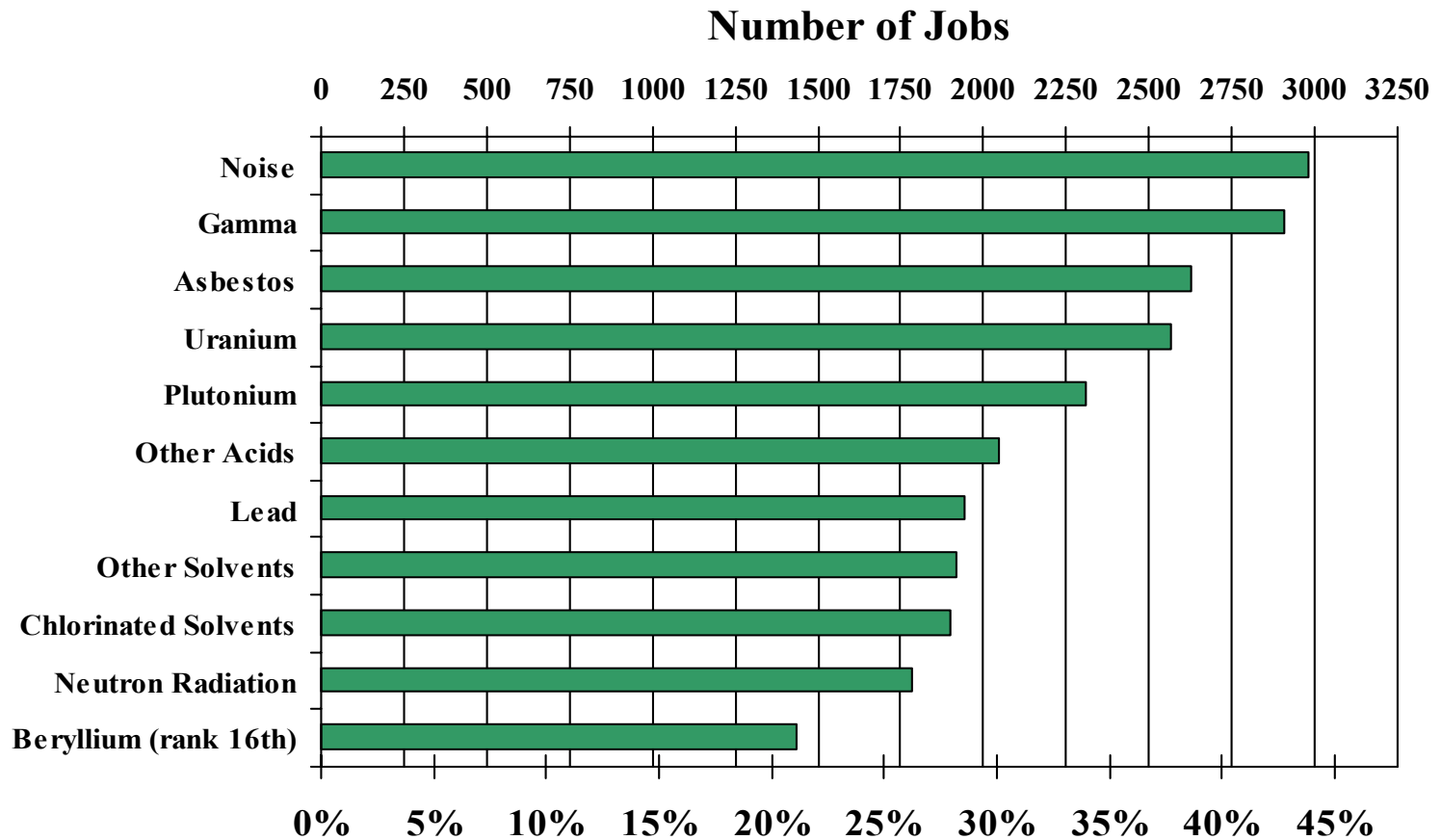
Hazard	Percent of Workers (N=3150)	Percent of Jobs (N=6800)
Noise	32.6%	25.6%
Asbestos	22.4%	16.7%
Gamma Radiation	22.2%	15.8%
Uranium	18.8%	13.3%
Plutonium	18.3%	12.6%
Dust	15.9%	11.4%
Chlorinated Solvents	15.4%	10.4%
Neutron Radiation	15.0%	10.3%
Other Acids	15.0%	10.5%
Irritant Gases	13.8%	9.3%
Silica	12.8%	8.8%
Beryllium	12.6%	8.2%
Lead	11.8%	8.4%
Vibrations	11.8%	8.7%
Other Solvents	11.7%	8.4%
Cesium	11.7%	7.9%
Welding Fumes	10.8%	7.6%
Strontium	10.5%	7.3%
Toluenes and Ketones	9.4%	6.7%
Stack Gas	8.0%	5.6%

Top 10 Hazards Worked With or Near

(N=3150 workers)



Top 10 Hazards Worked With or Near (N=6800 jobs)



UW Former Hanford Worker Top 20 Hazards: Worked with or Near

Hazard	Percent of Workers (N=3150)	Percent of Jobs (N=6800)
Noise	50.8%	43.8%
Gamma Radiation	50.6%	42.8%
Asbestos	47.6%	38.6%
Uranium	45.0%	37.8%
Plutonium	42.6%	33.9%
Other Acids	37.3%	30.1%
Chlorinated Solvents	34.9%	27.9%
Lead	34.7%	28.5%
Other Solvents	33.9%	28.2%
Dust	33.8%	27.3%
Neutron Radiation	33.2%	26.2%
Beryllium	31.4%	21.1%
Irritant Gases	31.0%	24.4%
Welding Fumes	29.4%	23.7%
Fuels, Greases, and Oils	28.5%	22.8%
Cesium	27.1%	20.2%
Toluenes and Ketones	25.9%	20.9%
Zirconium / Zircalloy	25.5%	18.3%
Vibrations	25.3%	20.0%
Paint/Thinners	21.6%	17.5%

Workers with Work-Related Injury or Illness

(N=3150 workers)

While you were in this job, have you ever:	Yes	Don't know
Had a work-related injury or illness?	22%	9%
Been diagnosed with a work-related illness by a doctor?	12%	7%
Missed more than three days of work because of a work-related illness or injury?	11%	6%

Involved in spills or accidents?

(N=3150 workers)

Yes responses to the question-

- 35% While in this job, were you ever involved in work-related accidents, spills, or other incidents?
- 79% Do you feel you may have been exposed to work hazards?

Worker Report of Risk* vs. Program Risk Evaluation**

- 54% of workers possibly exposed** to beryllium did not report* exposure.
- 29% of workers possibly exposed** to asbestos did not report* exposure.
- 27% of workers possibly exposed** to noise did not report* exposure.

*Worker reported risk through occupational history survey.

**Program evaluated risk through Job Exposure Matrix (JEM) and Industrial Hygienist (IH) review of job history.

IMPORTANT PHONE NUMBERS FOR UW PROGRAM

- Richland office (general information)
1-800-419-9691
946-4716
- Seattle office (clinical questions)
1-888-277-6886
- Energy Employees Compensation Resource Center
(federal compensation program questions)
1-888-654-0014

UW-Hanford Former Worker Examination Sites

Licensed and highly qualified providers used currently at nine sites:

- Kennewick, WA - WorkCare
- Kennewick, WA - Bi-State Occupational Safety & Health
- Spokane, WA - Occupational Medicine Associates
- Portland, OR - Northwest Occupational Health Associates
- Seattle, WA - Harborview Medical Center/ University of Washington
- Denver, CO - National Jewish Medical and Research Center
- Oak Ridge, TN – Park Med Ambulatory Care
- Outside service area - National Supplemental Screening Program