

# Beryllium exposure and disease among Construction Workers

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# Program began 1996 with 3 DOE Facilities

	<b>Hanford</b>	<b>Savannah River</b>	<b>Oak Ridge</b>
<b>Date site opened</b>	<b>1943</b>	<b>1949</b>	<b>1943</b>
<b>Workers ever employed</b>	<b>109,000</b>	<b>67,000</b>	<b>55,000</b>
<b>Available for screening</b>	<b>30,000</b>	<b>37,000</b>	<b>8,000</b>
<b>Workers screened with BeLPT</b>	<b>2930</b>	<b>4137</b>	<b>3269</b>

# Update 2011 BTMed

- ◆ Now includes 27 DOE facilities
- ◆ 16,500 initial exams
- ◆ 4900 rescreenings

# Top Occupations

Trade	Mean Age	DOE yrs (mean) at initial exam
Electrician	59.5	8.7
Laborer	56.7	8.1
Plumber/ Pipefitter	60	8.7
Carpenter	59.6	8.6
Operating Engineer	58.8	7.5
Sheet Metal	60.4	8.2

# BeS rates all sites Dec 2010

Site	Total with BeLPT	Number with BeS	% with BeS
Savannah River	4137	54	1.3%
Oak Ridge	3269	41	1.25%
Hanford	2930	35	1.2%
Brookhaven	558	27	4.8%
Kansas City	606	17	2.9%
Fernald	1716	16	0.9%
Paducah	961	15	1.6%
INEL	788	8	1%
Portsmouth	1161	3	0.25%
Rocky Flats	648	3	0.46%
Mound	339	2	0.58%
Misc sites	530	2	0.38%
Amchitka	76	0	-

# 2011 Follow-back

- ◆ 168 with BeS and known to be alive  
(BeS = 2 abnl or 1 abnl + 1 borderline)
- ◆ Interviewed 136 (80%)
  - 29 LTFU
  - 3 refused or too ill to complete survey

# 2011 Follow-back, continued

- ◆ 8 had never filed claim with EEOICPA
- ◆ 128 had filed:
  - 8 had claim denied/did not get medical card
    - ◆ 4 Brookhaven, 2 Kansas City, 1 Oak Ridge, 1 Fernald
- ◆ 35 of those with claim accepted did not seek additional medical testing
- ◆ Of 83 with further testing, 77% went to a designated CBD eval center

# Why did 35 BeS individuals not seek additional testing?

- ◆ 11 – didn't know they needed it
- ◆ 10 – didn't feel sick
- ◆ 3 – PMD recommended against it
- ◆ 2 – no specialized center nearby
- ◆ 2 – expected to hear from DOL
- ◆ 1 – frustrated with DOL, gave up
- ◆ 6 - just got card/planning to go

# CBD

- ◆ 25 participants had a claim accepted for CBD
  - CBD/BeS = 37.5% of those seen at specialized center
  - CBD/BeS = 30% of those with any additional testing
- ◆ 6/25 reported accepted claim based on medical report without BAL/biopsy, or reported that specialized center did not make diagnosis of CBD