

HPMC OCCUPATIONAL
MEDICAL SERVICES

Beryllium Statistics for Hanford Employees

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TOTAL BERYLLIUM - AFFECTED WORKERS

The total number of affected workers diagnosed while employed at Hanford:

◆ Beryllium sensitization	131
◆ Chronic beryllium disease	37
◆ Sarcoidosis	25

NEW CASES BY DIAGNOSIS / FISCAL YEAR

	<u>BeS</u>	<u>CBD</u>	<u>Sarcoidosis</u>
FY 2011	11	2	2
FY 2012	10	1	8
FY 2013 (to 5/9/13)	4	4	1

Demographics of sensitized workers:

- ◆ 84% male (74% of Hanford site male)
 - ◆ Age range of BeS 30-66 years (mean 54)
 - ◆ Occupation Rad con techs, NCOs
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Years since hire date/exposure and BeS diagnosis:

<u>Years</u>	<u># employees</u>
<1	3 (all upon hire)
2-10	6
11-20	5
21-36+	11

Less than one year exposure:

- ◆ Patient 1: Fire Safety Officer.
 - Diagnosed 12/08/10. New hire exam 10/11/10.
- ◆ Patient 2: Engineer.
 - Diagnosed 10/12/10. New hire exam 8/23/10.
- ◆ Patient 3: Crane Operator.
 - Diagnosed 12/29/10. New hire exam 11/2/10.

Beryllium Lymphocyte Proliferation Tests

	<u># of BeLPTs done</u>	<u>#Borderline</u>	<u>#Positive</u>
2010	4247	51	22
2011	6240	76	19
2012	3400	19	7