



Former Worker Medical Screening Program



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FWP Background



History:

- Established following the issuance of the FY 1993 Defense Authorization Act (P.L. 102-484), authorizing DOE to:

“...establish and carry out a program for the identification and on-going medical evaluation of...former DOE employees who are subject to significant health risks as a result of the exposure of such employees to hazardous or radioactive substances during such employment....”

- First former worker projects initiated in 1996.
- Program now serves **all** former workers from **all** DOE sites in locations close to their residences.



FWP Background (cont.)



FWP Mission:

- Identify and notify former workers at risk for occupational disease.
- Offer them medical screening that can lead to treatment.
 - Rescreening exams offered every 3 years.
- Provide information and assistance about medical follow-up and compensation.
- Use findings to strengthen safety and health protection for current and future workers.



FWP Projects



DOE funds 6 groups to provide medical screening to its former workers:

- **Building Trades National Medical Screening Program** – conducted by CPWR – The Center for Construction Research and Training in partnership with Stoneturn Consulting and Zenith-American Solutions
- **Drexel University**, School of Public Health
- **Johns Hopkins University**, Bloomberg School of Public Health
- **National Supplemental Screening Program** – conducted by Oak Ridge Associated Universities in partnership with Comprehensive Health Services, National Jewish Health, the University of Colorado Denver, and Axion Health
- **Worker Health Protection Program** – conducted by Queens College of the City University of New York, United Steelworkers, the Atomic Trades and Labor Council in Oak Ridge, and the former Fernald Atomic Trades and Labor Council
- **University of Iowa**, College of Public Health



FWP Current Initiatives



- Each group focuses on a distinct subset of the former worker population to:
 - Obtain rosters of former workers and their updated addresses;
 - Advertise the program through union and DOE newsletters, TV and newspaper, public meetings, and individual mailings;
 - Provide medical screening to interested individuals
 - Projects follow standardized medical screening protocol
 - Customize screening according to individual's self-reported work history and exposures
 - Refer individuals with suspicious findings for follow-up medical testing and, if applicable, to the Department of Labor-run Energy Employees Occupational Illness Compensation Program (EEOICP)



FWP Medical Exams



- The medical screening exam includes a physical examination and may include the following based on the individual's occupational exposure history:
 - Chest X-ray with B-reading (interpretation for occupational lung disease)
 - Spirometry
 - Low-dose chest CT scan
 - **BeLPT**
 - Blood chemistry
 - Urinalysis
 - Audiometry



Number of Screenings



- **128,589** Former Worker Medical Screenings (to date)
 - **86,252** Initial Exams
 - **42,337** Rescreening Exams
- 14,840 former workers participated in CT screening programs (to date) for a total of 48,794 CTs (baseline, follow-up, and two annual scans)



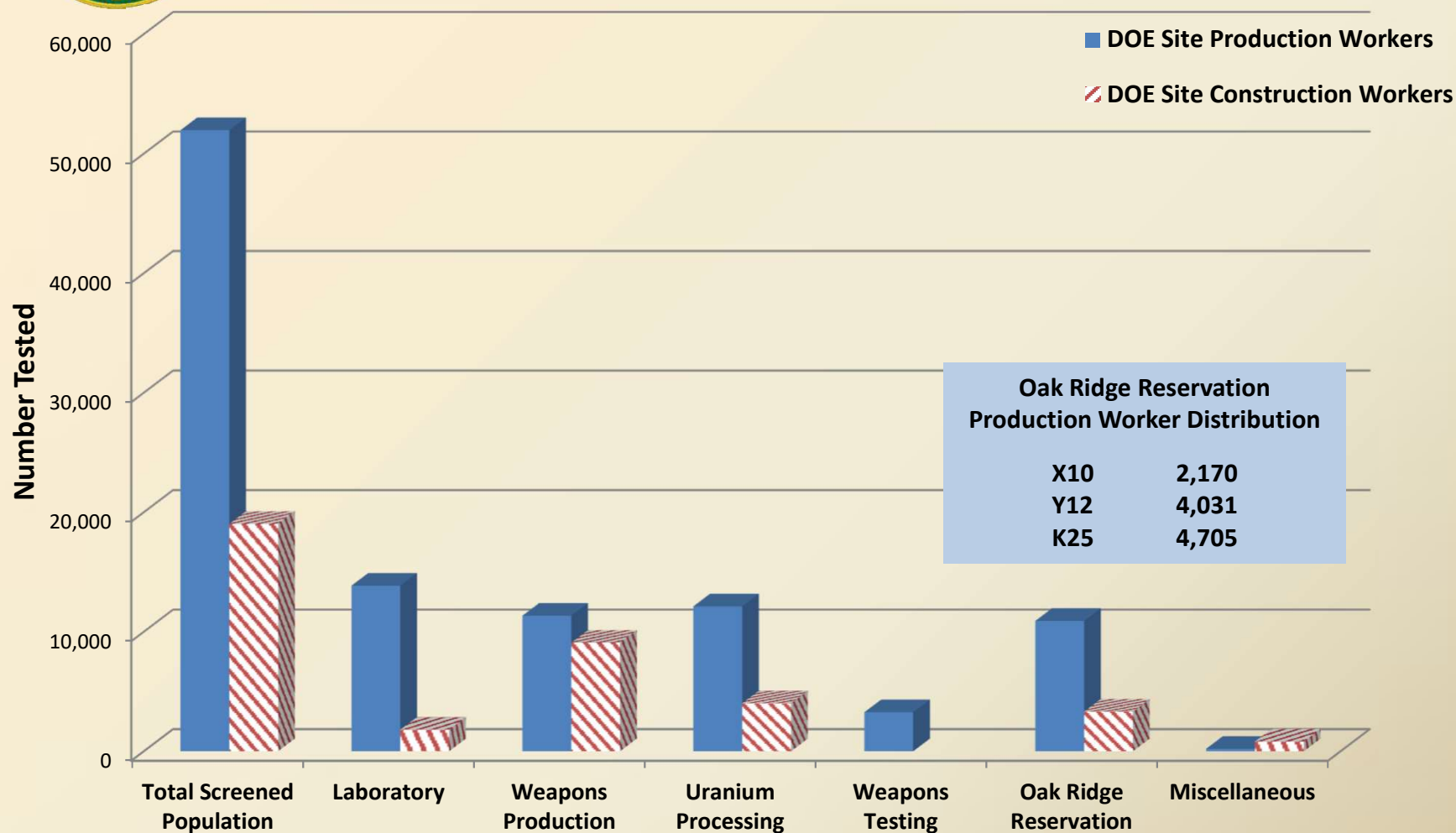
BeLPT Screenings/Results



- **70,711** Former Workers (BeLPT Initial Screening):
 - Production Workers Abnormal - **2.8%**
- 1,452/51,961
 - Construction Workers Abnormal - **2.0%**
- 373/19,020
- CBD status for the most part is unknown, as clinical exams are completed through the EEOICP



FWP Workers Screened





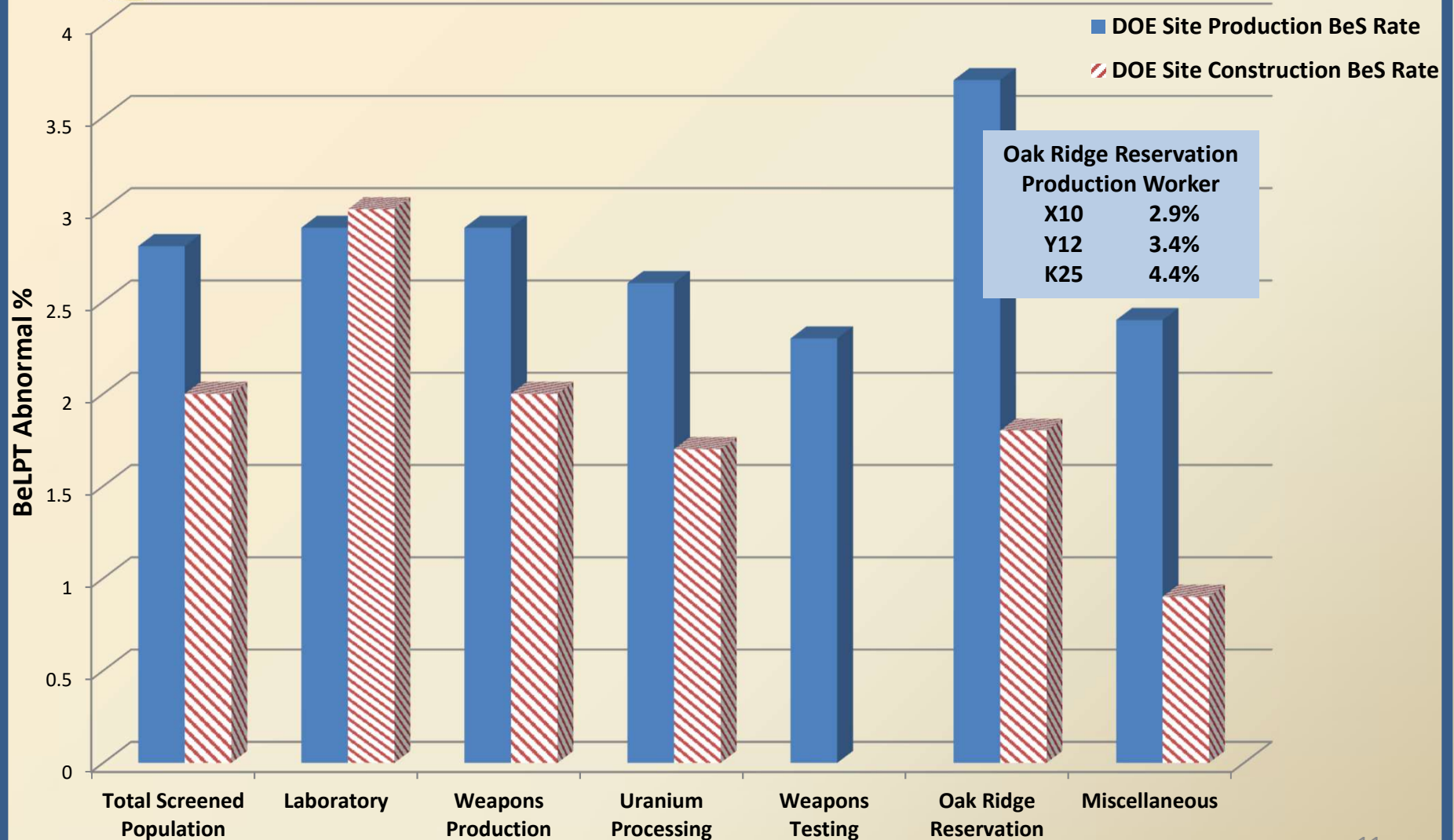
FWP Workers Screened



DOE Population	Total Workers Tested	DOE Site Production Workers Tested	DOE Site Construction Workers Tested
Sites Combined	70,711	51,691	19,020
Laboratory	15,658	13,852	1,806
Weapons Production	20,409	11,339	9,070
Uranium Processing	16,135	12,124	4,011
Weapons Testing	3,262	3,262	n/a
Oak Ridge Reservation	14,220	10,906	3,314
Miscellaneous	1,027	208	819

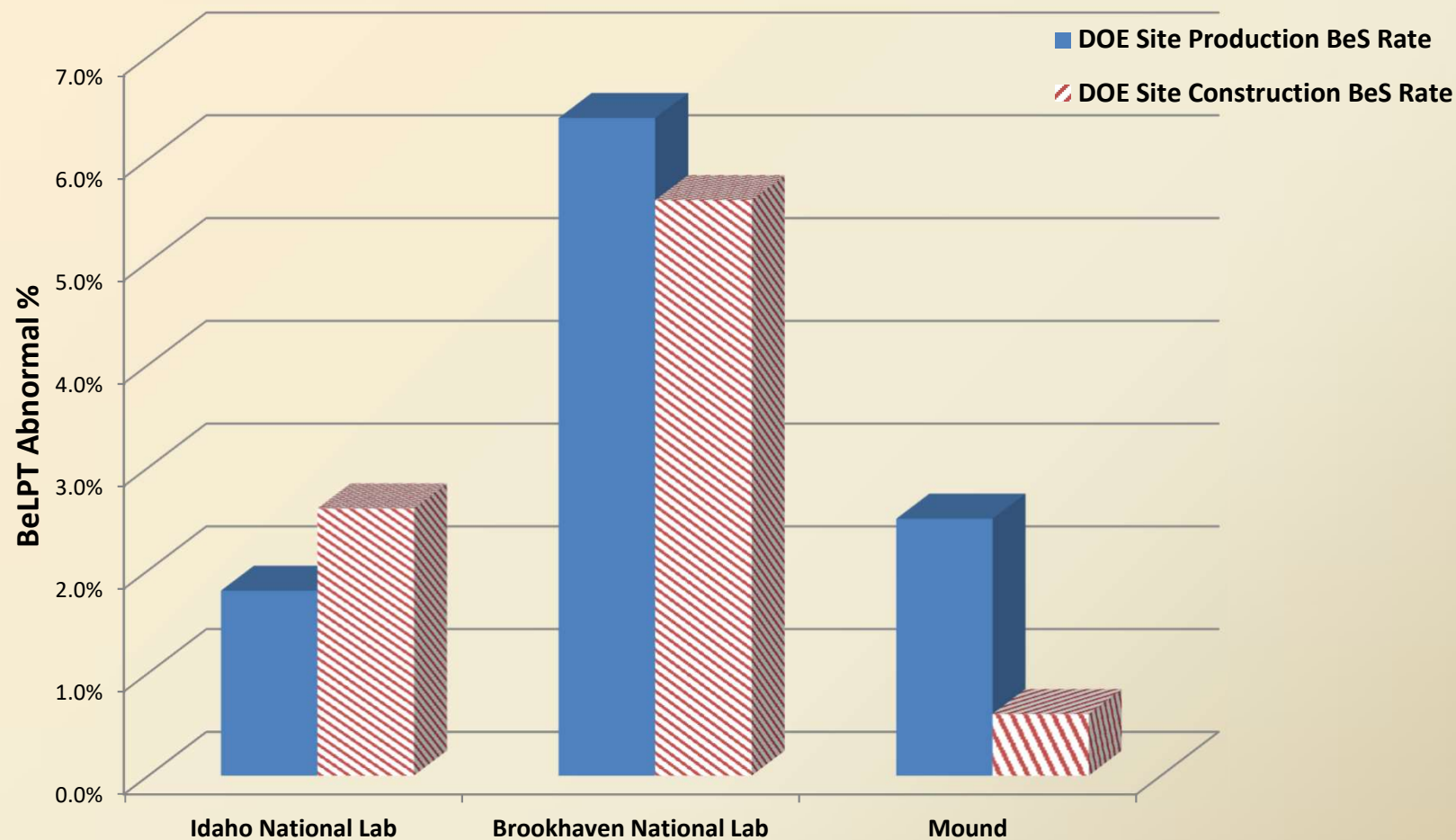


Beryllium Sensitization



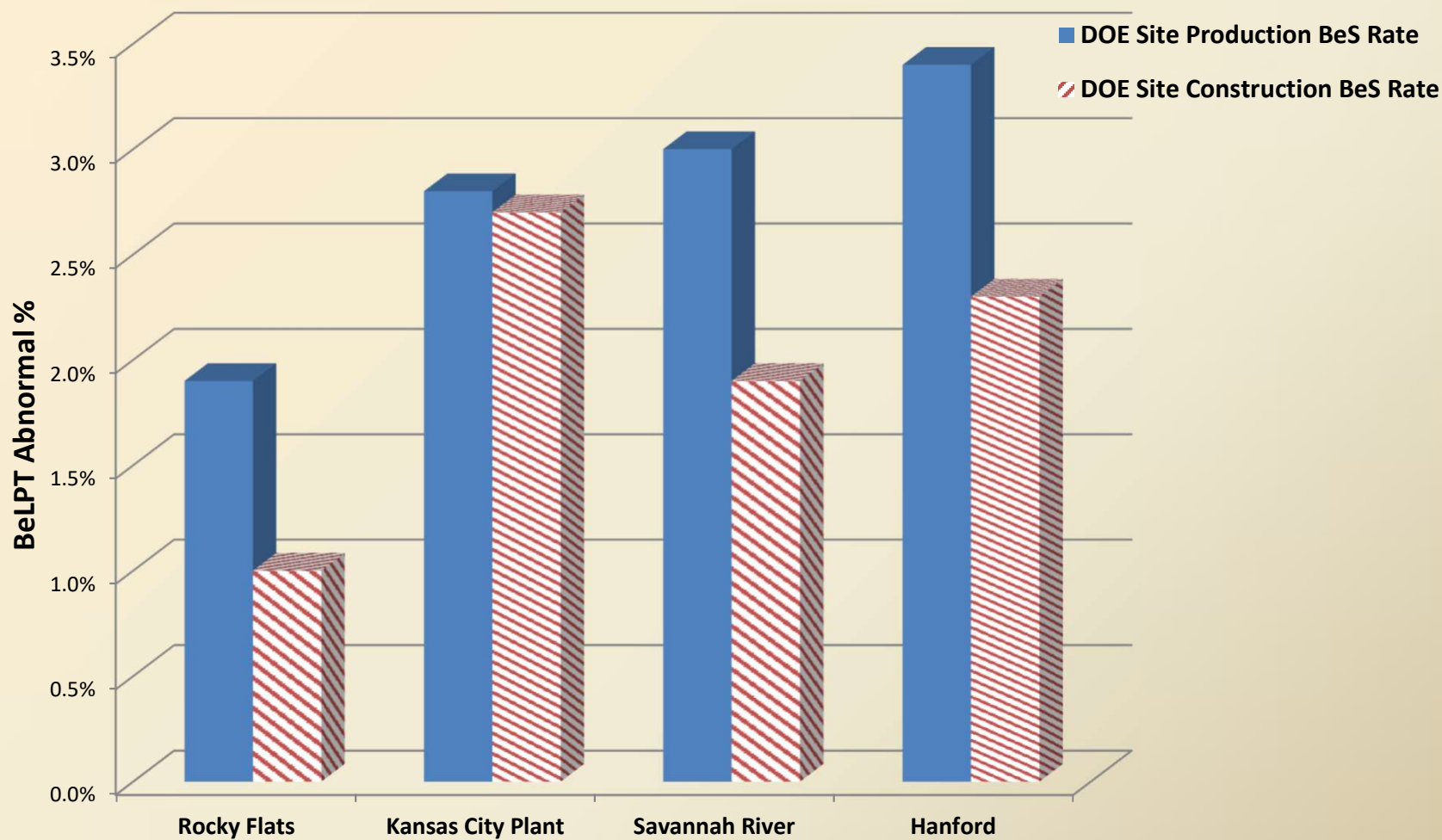


Beryllium Sensitization Laboratories



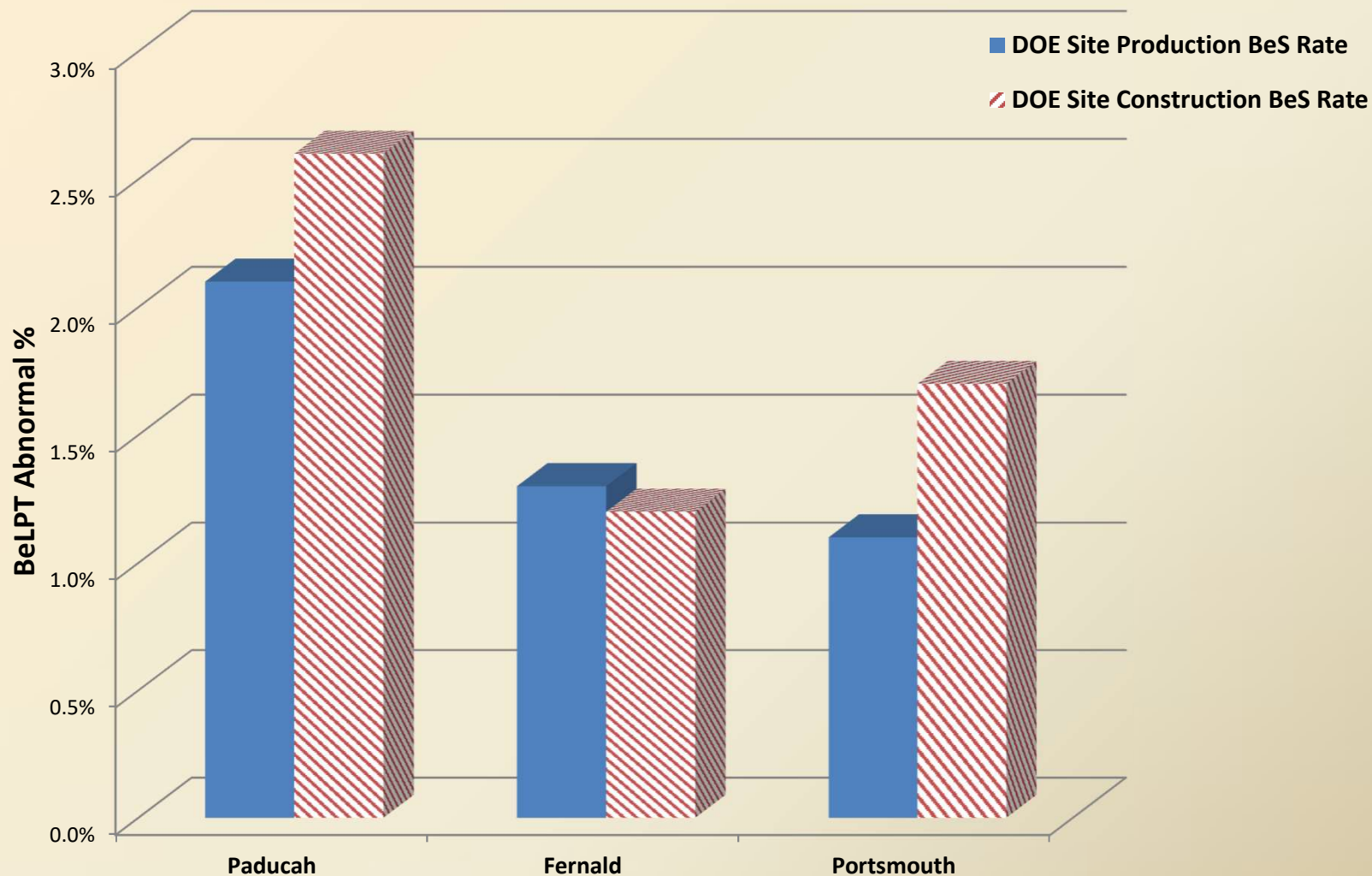


Beryllium Sensitization Weapons Production





Beryllium Sensitization Uranium Processing





BeLPT Screenings/Results



■ DOE Sites with highest percentage of abnormal BeLPTs *(minimum 250 former workers tested)*

1. Brookhaven Nat'l Lab (PW) - 6.4% (30/470)
2. Brookhaven Nat'l Lab (CW) - 5.6% (28/497)
3. Pinellas (PW) - 5.2% (33/634)
4. Sandia Nat'l Lab-NM - 4.5% (17/381)
5. Oak Ridge K-25 (PW) - 4.4% (206/4,705)

PW – Production Worker

CW – Construction Worker



Resources for FWP Information



- **FWP Website:**
<http://energy.gov/ehss/services/worker-health-and-safety/former-worker-medical-screening-program>
- **FWP Brochure:**
<http://energy.gov/ehss/downloads/former-worker-medical-screening-program-brochure>
- **FWP 2016 Annual Report:**
<https://energy.gov/sites/prod/files/2017/06/f34/2016-FWP-Annual-Report.pdf>

