BTMed
Building Trades National Medical Screening Program
www.btmed.org

Trish Quinn, Program Director
Kim Cranford, Medical Program Manager
Partnering Organizations

BTMed is a service program of CPWR – The Center for Construction Research and Training

• **DOE**: Funding agency

• **CPWR**: Responsible for performance

• **Duke University**: Occupational History, Industrial Hygiene, Statistical Q/A and Epidemiology

• **University of Maryland School of Medicine**: Medical advisors

• **Zenith-American Solutions**: Operations
BTMed Informational Video
Medical Exams Completed

42,500
BTMed Clinic Network

Requires adherence to clinical guidelines
Why screening exams are important

• Identifies work-related health conditions at an early, more treatable stage
  • Screening results
    • 19.2% abnormal chest x-ray findings
    • 22.6% abnormal pulmonary function test findings
    • 2.2% beryllium sensitivity
    • 64.6% hearing loss
• Contribute to workers’ health and well-being
• BTMed has saved lives

"I cannot say enough good things about the BTMed exam, it assures me that I’m healthy and ready to live my life without any worry."

Dennis Schroeder
Former Asbestos Worker
Fernald Plant
BTMed Participant
Early Lung Cancer Detection Program (ELCD)
Stay tuned... working on an Idaho location
# CT Scan Eligibility Criteria

## Annual scans to workers at increased risk

<table>
<thead>
<tr>
<th>Entry Variable</th>
<th>Construct or DOE Work ≥5 Years</th>
<th>Current Age</th>
<th>PFT FEV1 &gt;40% Predicted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking 20 Pk-Yrs and no restriction on time since last smoked*</td>
<td>Yes</td>
<td>50-79</td>
<td>Yes</td>
</tr>
<tr>
<td>Smoking 30 Pk-Yrs and ≤15 years since quit date</td>
<td>No</td>
<td>50-79</td>
<td>Yes</td>
</tr>
<tr>
<td>CXR with pleural scarring or COPD by spirometry LLN criteria, must also meet 20 Pk-Yrs smoking criteria</td>
<td>No</td>
<td>50-79</td>
<td>Yes</td>
</tr>
<tr>
<td>CXR Parenchymal (≥1/0) even if does not meet smoking criteria</td>
<td>No</td>
<td>50-79</td>
<td>Yes</td>
</tr>
</tbody>
</table>
CT Scans Completed
8,068
CT Scan Results

- Stage 1 = 28
- Stage 2 = 4
- Stage 3 = 1
- Stage 4 = 7
- SCLC Limited = 4
- Meso = 1
- SCLC Extensive = 3

![Pie chart showing CT scan results with different stages and tumor types]
OTHER FINDINGS FOUND WITH CT

- Renal (Kidney) Cancer
- Liver Cancer
- Thyroid Nodules/ Thyroid Cancer
- Esophageal Cancer
- Throat Cancer
- Breast Nodules
- Adrenal Tumors
- Emphysema/ COPD
- Aortic Aneurysm

- Emphysema/ COPD
- Interstitial Lung Disease
- Asbestosis
- Pleural Plaques
- Pancreatitis
- Coronary Artery Plaque
- Aorta & Heart Valve Calcification
- Enlarged Lymph Nodes
- Degenerative Bones
- Kidney Stones & Gallstones
BTMed Published Medical Findings

- 18 peer-reviewed journal articles
- Using data collected from medical screenings
- Research has informed how to improve services and strengthen medical recommendations
Can you help spread BTMed information?

www.btmed.org