

# HEALTHY SAVINGS: MEDICAL TECHNOLOGY & THE ECONOMIC BURDEN OF DISEASE

Study by Milken Institute. **Authors:** Anusuya Chatterjee, Jaque King, Sindhu Kubendran, and Ross DeVol. To view the full study, visit: <http://lifechanginginnovation.org/get-facts>

## IMPACT OF MUSCULOSKELETAL DISEASE

**AFFECTS=** **30%**  
U.S. Population  
in 2006

**COSTS=** **\$950 billion**  
a year<sup>1</sup>

## HEALTH SYSTEM & ECONOMIC SAVINGS

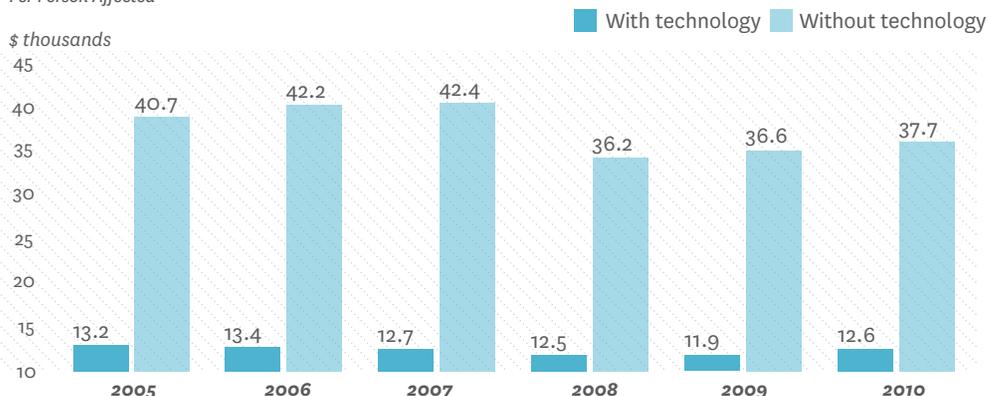
Use of bone scans (MRI) and joint replacement surgery for diagnosis and treatment of people with musculoskeletal disease generates net cost savings.

**\$24,518** ↓  
annual savings /person affected

**\$3.8B** ↑  
increased tax revenue

### ECONOMIC IMPACT OF MUSCULOSKELETAL DISEASE, 2005-2010\*

Per Person Affected



\* Includes treatment expenditures and indirect impacts.

### AVERAGE ANNUAL ECONOMIC BURDEN 2008-2010 (\$)

With technology	\$12,315.0
Without technology	\$36,832.9
<b>Average savings</b>	<b>\$24,517.9</b>

## THE FUTURE

Increased incentives for medical technology investment used to treat musculoskeletal disease will generate even larger net savings over time.



\*Screening of healthy population not included.

Reduced incentives for medical technology used to treat musculoskeletal disease will result in larger net costs.

