

AdvaMed Medtech Employment Analysis

Annual Change in Total Medtech Employment: 2010-2015

Year	Total Medtech Jobs	Year-over-Year Change	Year-over-Year Percent Change
2010	400,232		
2011	401,820	1,588	0.4%
2012	401,472	-348	-0.1%
2013	397,058	-4,414	-1.1%
2014	370,036	-27,022	-6.8%
2015	372,638	2,602	0.7%
Medtech Job Losses from 2012 to 2015		-28,834	-7.18%

Methods and Data Sources:

All data for this report were collected from the U.S. Census Bureau Annual Survey of Manufacturers. National data were obtained for each of the eight Medical Technology Industry (MTI) subsectors. This included data about the number of employees (a proxy for jobs).

The Annual Survey of Manufactures (ASM) is a probability-based sample survey of approximately 55,000 establishments. Although Census data is the premier national source of economic data, it is subject to limitations, including both sampling and non-sampling errors. Sampling error is the natural variation in estimates that occurs due to data collection only in a subset of the total population. Sampling error is inherent to all sample surveys. The estimates are also subject to various types of non-sampling error, such as measurement error and processing error. Non-sampling error is inherent to all surveys.

I. Data Sources

Annual Survey of Manufacturers, Statistics for Industry Groups and Industries, 2012. U.S. Census Bureau, Economics and Statistics Administration, U.S. Department of Commerce, April 12, 2016.

Annual Survey of Manufacturers, Statistics for Industry Groups and Industries, 2014. U.S. Census Bureau, Economics and Statistics Administration, U.S. Department of Commerce, January 8, 2016.

Annual Survey of Manufacturers, Statistics for Industry Groups and Industries, 2015. U.S. Census Bureau, Economics and Statistics Administration, U.S. Department of Commerce, January 19, 2017.

II. Industry Definitions and Methodology

The U.S. Census Bureau reports on the Medical Technology Industry (MTI) across a set of its subsectors. Each subsector is defined to include relatively distinct product types and associated manufacturing processes. For this report, eight subsectors comprise the MTI. Within each of those eight subsectors are several different types of products. The subsectors are described in **Exhibit A**.

Exhibit A. Medical Technology Industry Sub-Industry Contents

NAICS Code	Industry Subsector	Examples of Manufactured Items
325413	In vitro diagnostic substance manufacturing	<i>In vitro</i> (i.e. not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances (used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices)
334510	Electro-medical and electrotherapeutic apparatus manufacturing	Magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, electro-medical endoscopic equipment
334517	Irradiation apparatus manufacturing	Irradiation apparatus and tubes for applications such as medical diagnostic, medical therapeutic, industrial, research, and scientific evaluation
339112	Surgical and medical instrument manufacturing	Syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, medical thermometers
339113	Surgical appliance and supplies manufacturing	Orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, personal industrial safety devices (except protective eyewear), hospital beds, operating room tables
339114	Dental equipment and supplies manufacturing	Dental chairs, dental instrument delivery systems, dental hand instruments, dental impression material, dental cements
339115	Ophthalmic goods manufacturing	Prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, reading glasses made to standard powers, protective eyewear
339116	Dental laboratories	Dentures, crowns, bridges, orthodontic appliances (customized for individual application)