

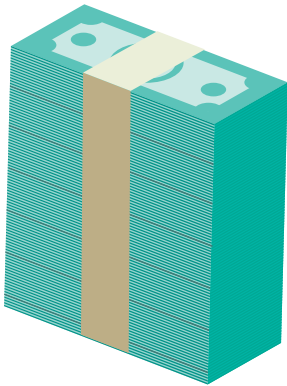
PHARMACEUTICAL & MEDICAL DEVICE MARKET TRENDS

PMMI, The Association for Packaging and Processing Technologies, examined the latest trends impacting the pharmaceutical and medical device markets.

The 2016 Pharmaceutical & Medical Devices report offers insights from 60 industry experts—describing market trends, product innovations, future equipment needs, and operational and regulatory challenges.



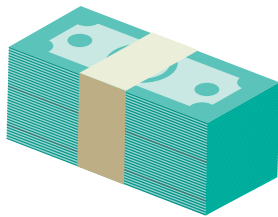
INDUSTRY OVERVIEW



PHARMACEUTICALS

\$1.1 TRILLION

GLOBAL SALES
IN 2015



MEDICAL DEVICES

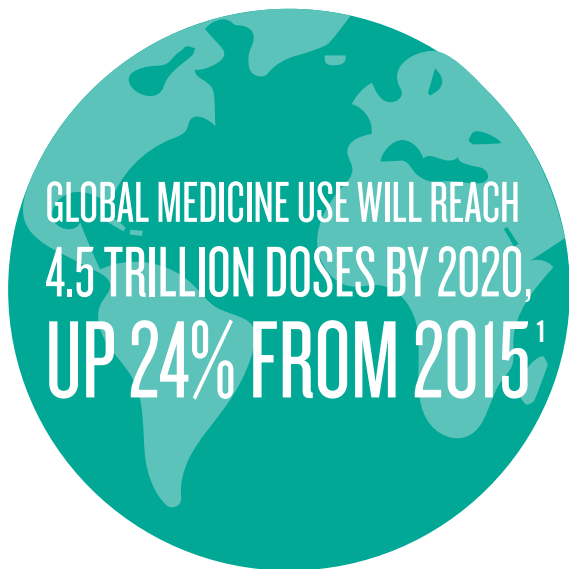
\$350 BILLION

PHARMACEUTICALS MAKE UP 70% OF U.S. SHIPMENTS



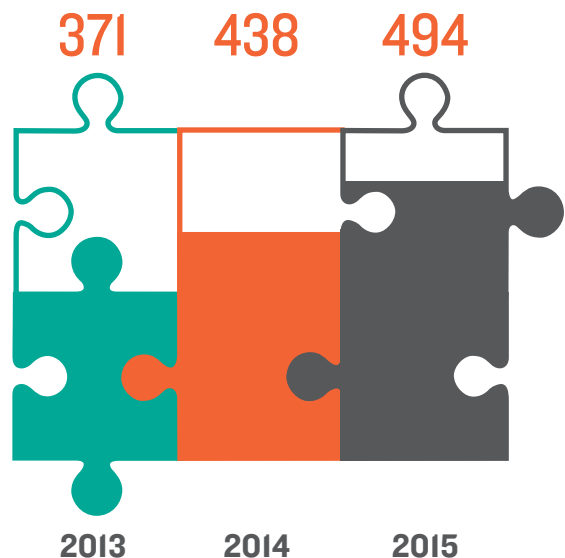
WHILE MEDICAL DEVICES ACCOUNT FOR 30%

MARKET GROWTH AND INDUSTRY CONSOLIDATION



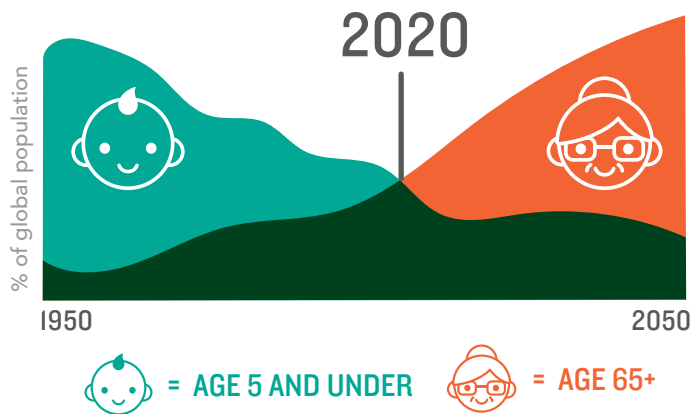
MERGERS AND ACQUISITIONS HAVE SEEN DOUBLE-DIGIT GROWTH OVER THE PAST 3 YEARS

NUMBER OF MERGERS & ACQUISITIONS GLOBALLY

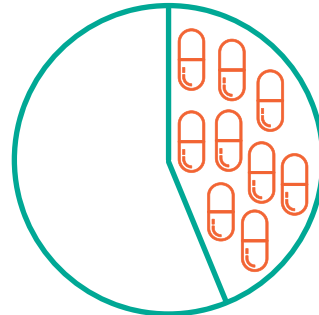


WHAT'S DRIVING GROWTH?

Increased life expectancy is leading to an aging population. Globally, individuals age 65 years and older will increase 8.5% by 2020, surpassing the number of children under age five for the first time in human history.



IN DEVELOPED MARKETS, BRANDED AND SPECIALTY DRUGS AND INNOVATIVE MEDICAL DEVICES WILL DRIVE GROWTH



40%

OF MARKET GROWTH IN THE U.S. IS ATTRIBUTED TO SPECIALTY DRUGS

EMERGING MARKETS WILL SEE GROWTH DUE TO A BURGEONING MIDDLE CLASS AND AN OVERALL INCREASE IN THE USE OF PHARMACEUTICALS AND MEDICAL DEVICES

OVER HALF OF THE WORLD'S POPULATION

WILL CONSUME MORE THAN ONE DOSE PER PERSON PER DAY OF MEDICINE, UP FROM ONE THIRD OF THE WORLD IN 2005, DRIVEN BY INDIA, CHINA, BRAZIL AND INDONESIA.¹

MEETING DEMAND

Two out of three companies predict increasing capital spending on equipment in the next 12-24 months in order to meet expectations for growth and address industry trends such as serialization, smaller batch runs and an increasing number of SKUs.



TOP 5

IMPROVEMENTS DRIVING NEW EQUIPMENT PURCHASES



- 1 EXPANDING AUTOMATION AND INTEGRATION
- 2 INCREASING THROUGHPUT
- 3 MEASURING OEE
- 4 ENHANCING VERSATILITY DURING CHANGEOVER
- 5 GREATER UTILIZATION OF ROBOTICS

¹ Global Medicines Use in 2020: Outlook and Implications



February 27–March 1, 2017
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A RESOURCE FOR SUCCESS

Go to pmmi.org/research to access PMMI's 2016 Pharmaceutical & Medical Devices: Trends and Opportunities in Packaging Operations report. Healthcare professionals can find the latest solutions at PACK EXPO East 2017 (Feb 27–Mar 1; Philadelphia, PA).

To register, visit: packexpoeast.com

They can also look forward to Healthcare Packaging EXPO, co-located with PACK EXPO Las Vegas 2017 (September 25–27; Las Vegas).

To learn more, visit: hcpelasev.com