

DOSSIER

# Medical technology industry

Medical technology industry

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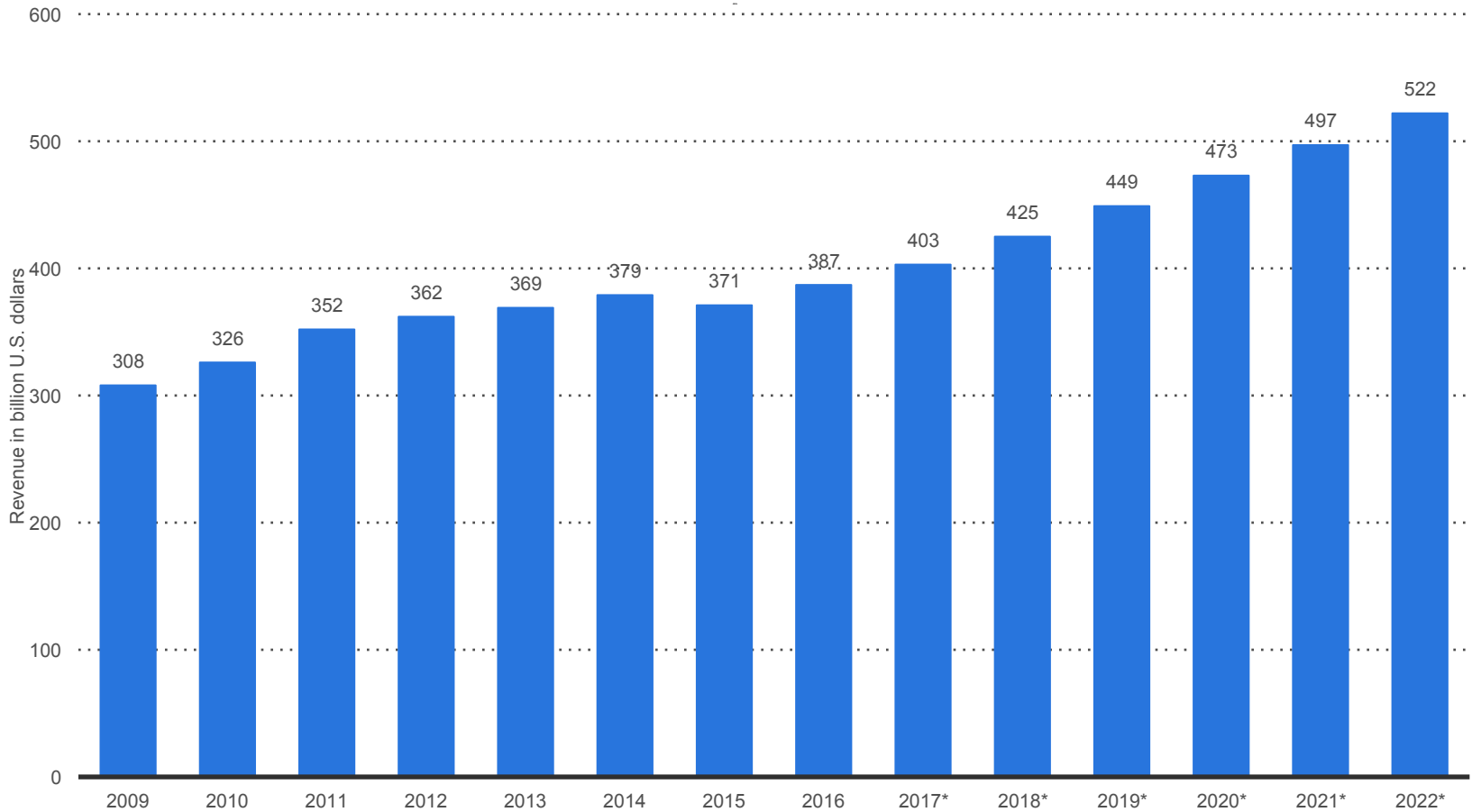
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Medical technology industry

# ◆ Overview

Total medtech revenue worldwide 2009-2022

## Total global medical technology revenue from 2009 to 2022 (in billion U.S. dollars)



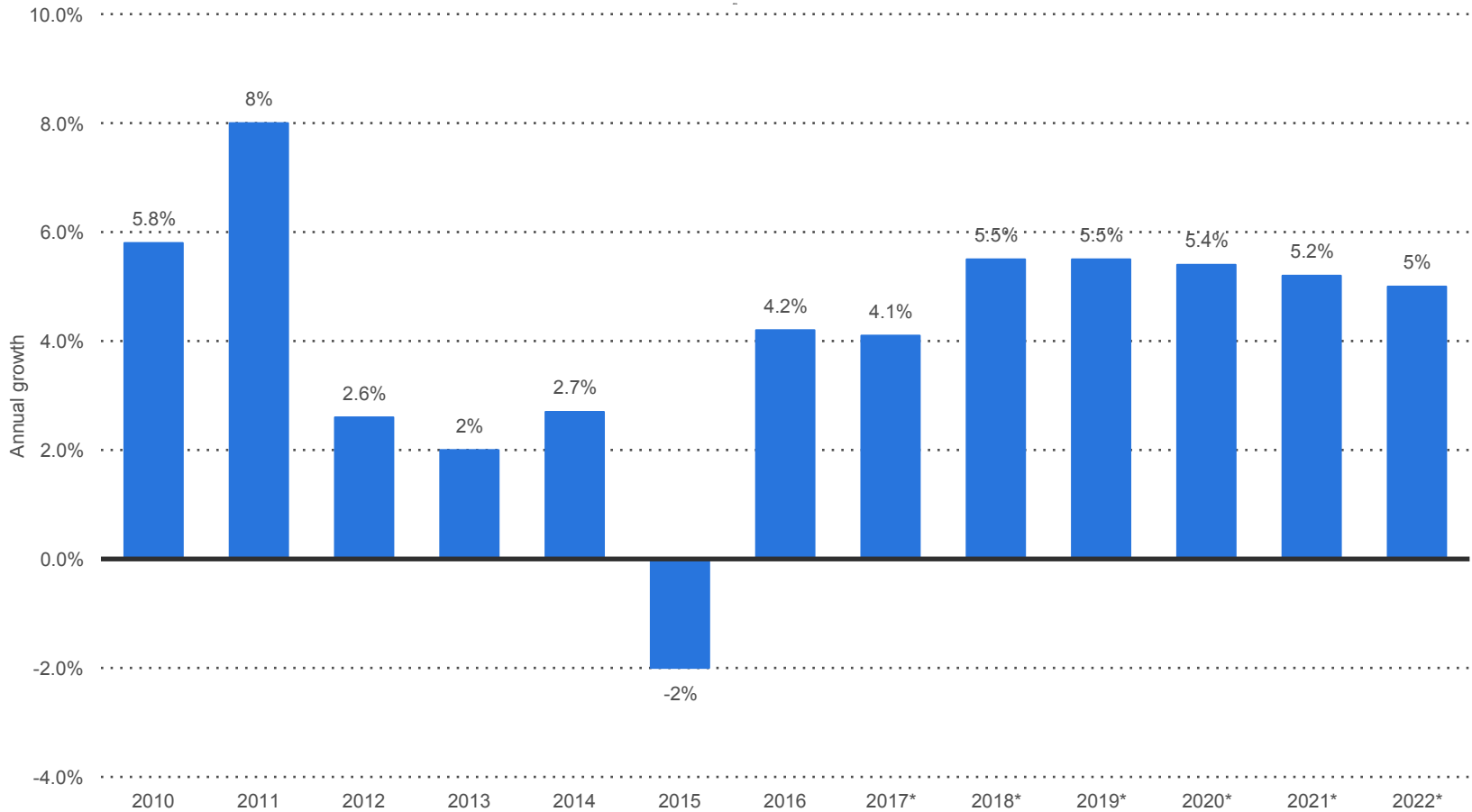
Note: Worldwide; 2009 to 2017

Further information regarding this statistic can be found on [page 48](#).

Source: Evaluate [ID 325809](#)

Total medtech growth per year worldwide 2010-2022

## Total global medical technology growth per year from 2010 to 2022



Note: Worldwide; 2010 to 2017

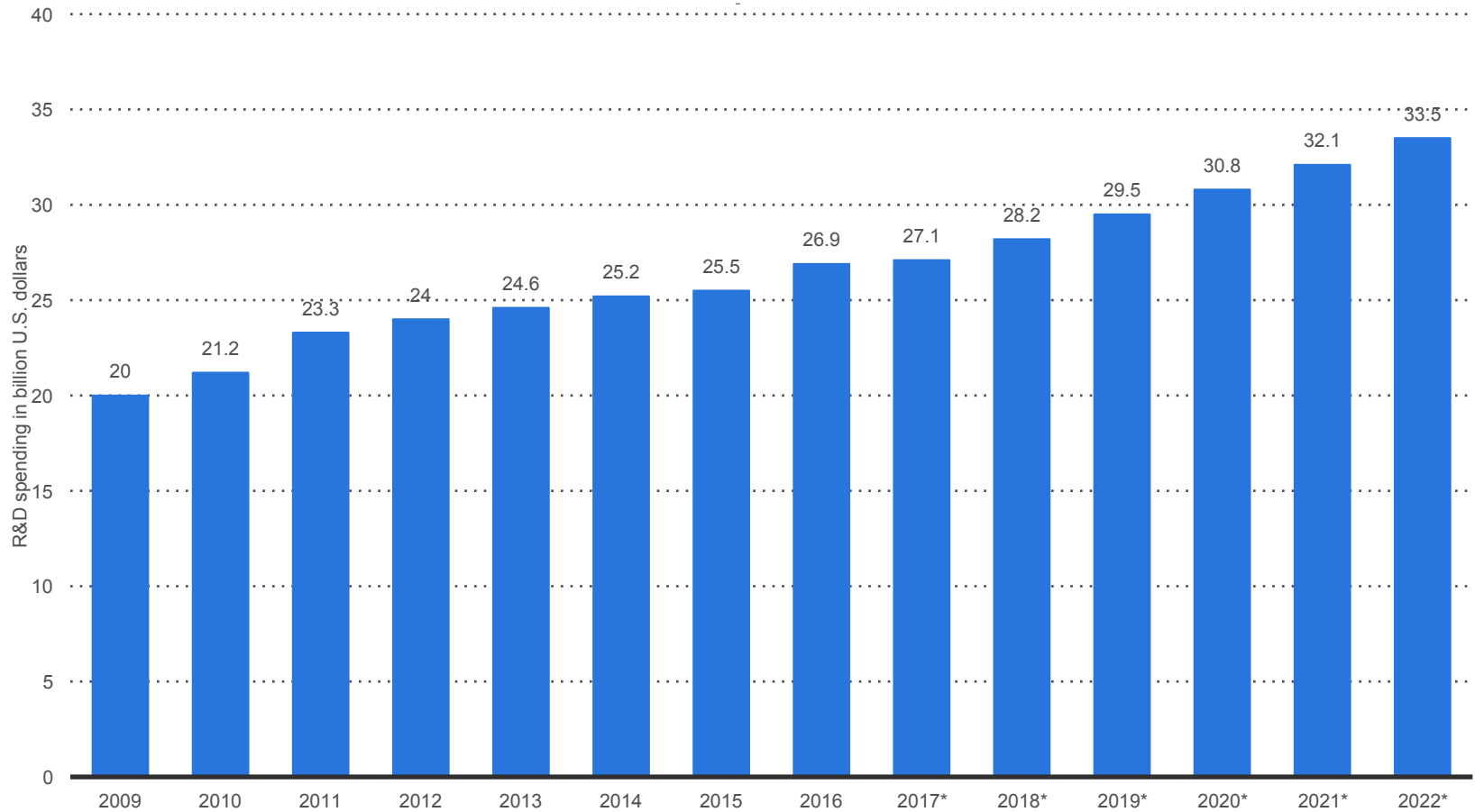
Further information regarding this statistic can be found on [page 49](#).

Source: Evaluate [ID 329048](#)



Expenditure on research and development in global medtech 2009-2022

## Worldwide research and development spending in medical technology from 2009 to 2022 (in billion U.S. dollars)



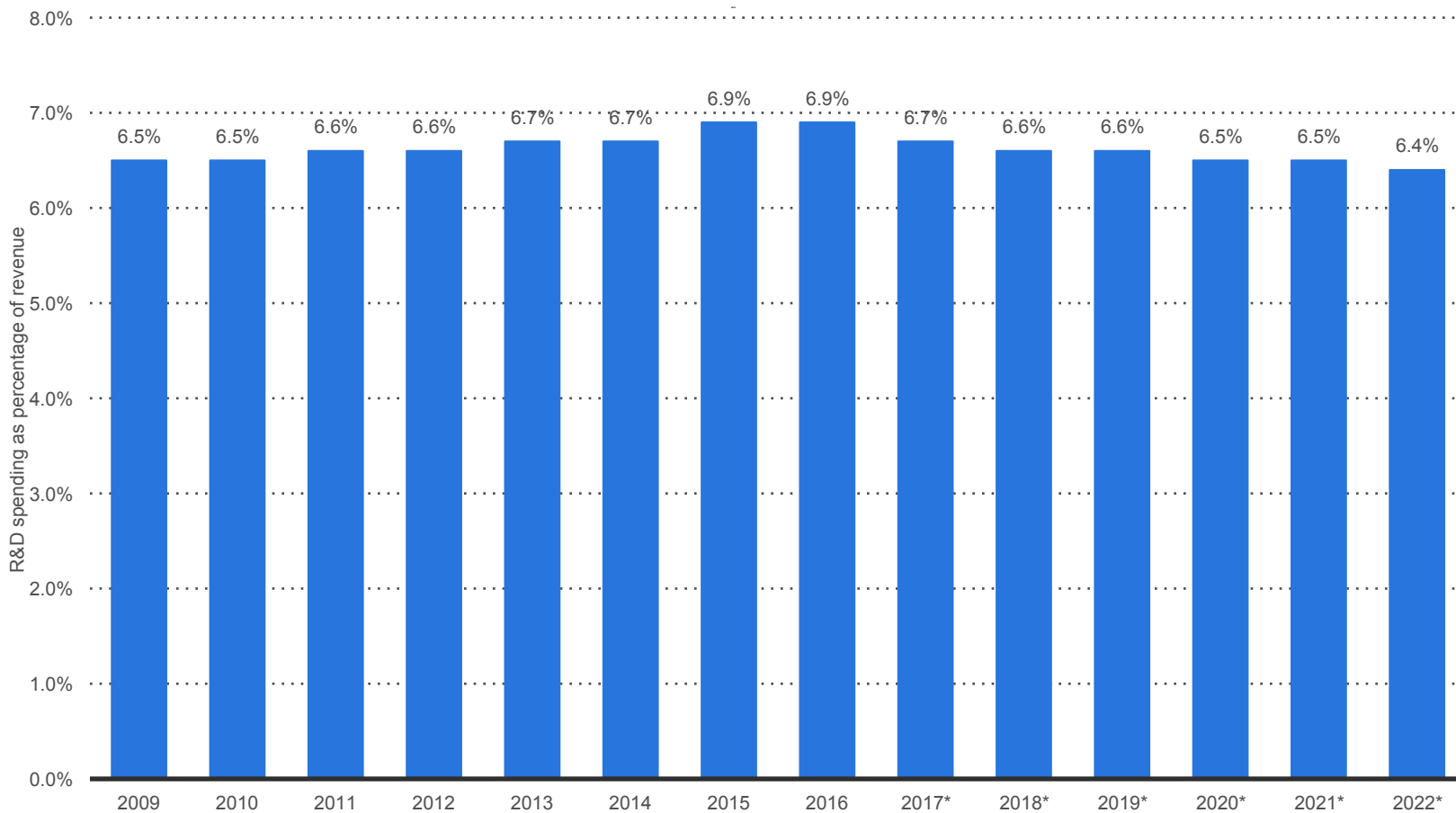
Note: Worldwide; 2009 to 2017

Further information regarding this statistic can be found on [page 50](#).

Source: Evaluate [ID 309297](#)

R&D spending as percent of medtech revenue worldwide 2009-2022

## Worldwide medtech research and development spending as percent of medtech revenue from 2009 to 2022



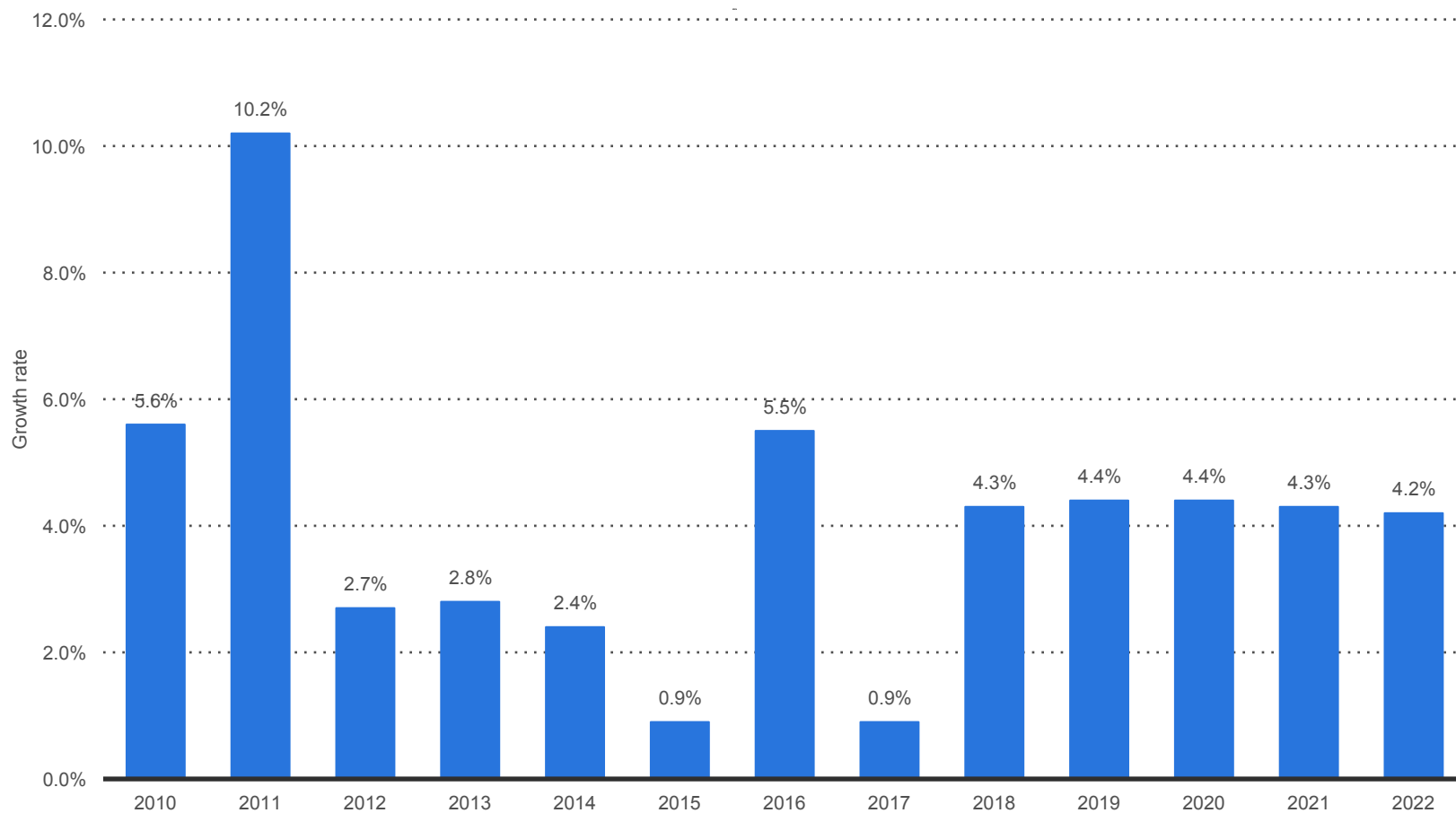
Note: Worldwide; 2009 to 2017

Further information regarding this statistic can be found on [page 51](#).

Source: Evaluate [ID 309305](#)

Growth rate in research and development spending in global medtech 2010-2022

## Worldwide research and development spending growth rate in medical technology from 2010 to 2022



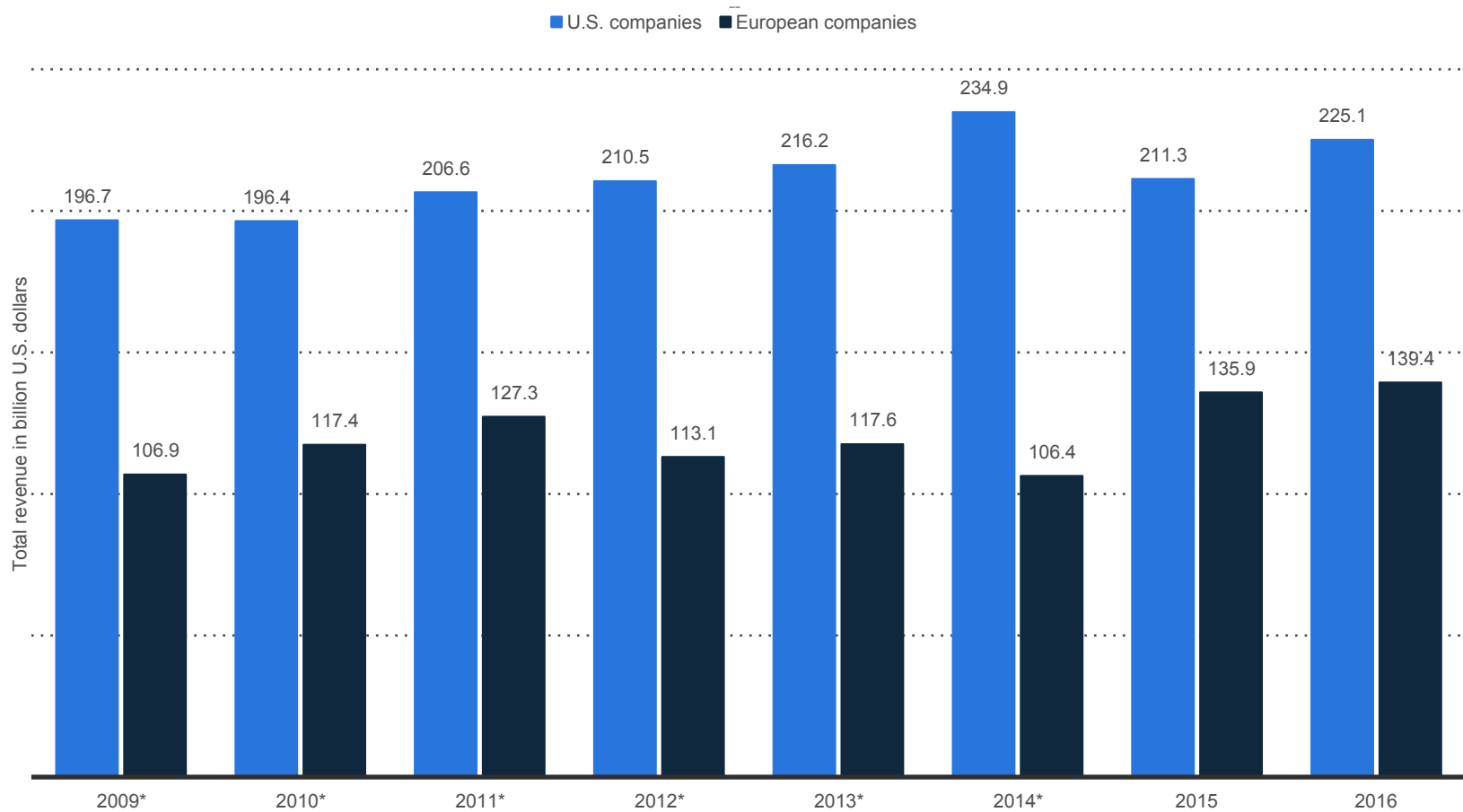
Note: Worldwide; 2010 to 2017

Further information regarding this statistic can be found on [page 52](#).

Source: Evaluate [ID 329054](#)

U.S. and European medical technology companies - total revenues 2009-2016

## Total revenues of U.S. and European medical technology companies from 2009 to 2016 (in billion U.S. dollars)



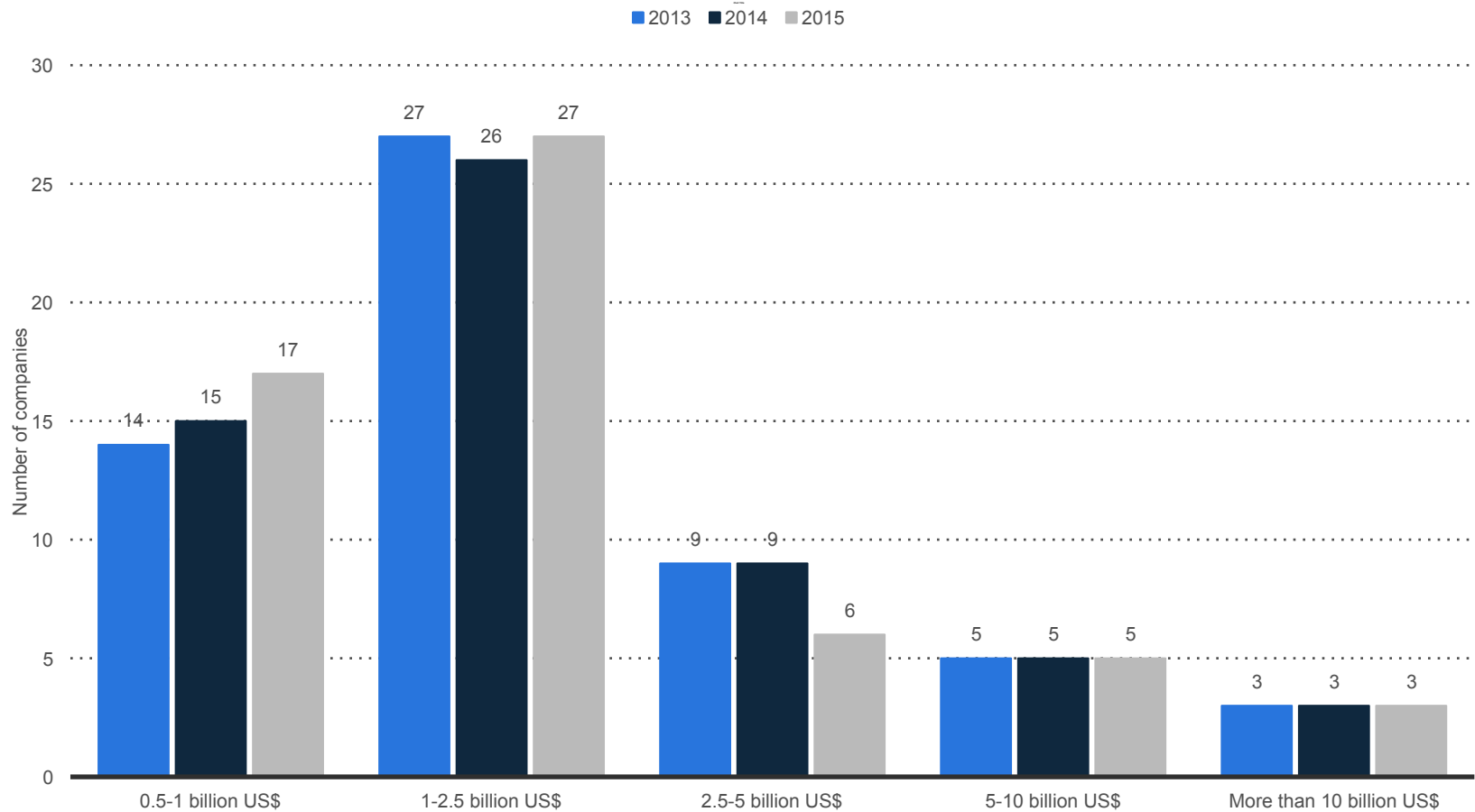
Note: Europe; United States

Further information regarding this statistic can be found on [page 53](#).

Source: EY; Various sources (Company data); Capital IQ [ID 276293](#)

Number of medtech companies worldwide 2013-2015, by revenue range

## Number of top medtech companies worldwide from 2013 to 2015, by revenue size\*



Note: Worldwide

Further information regarding this statistic can be found on [page 54](#).

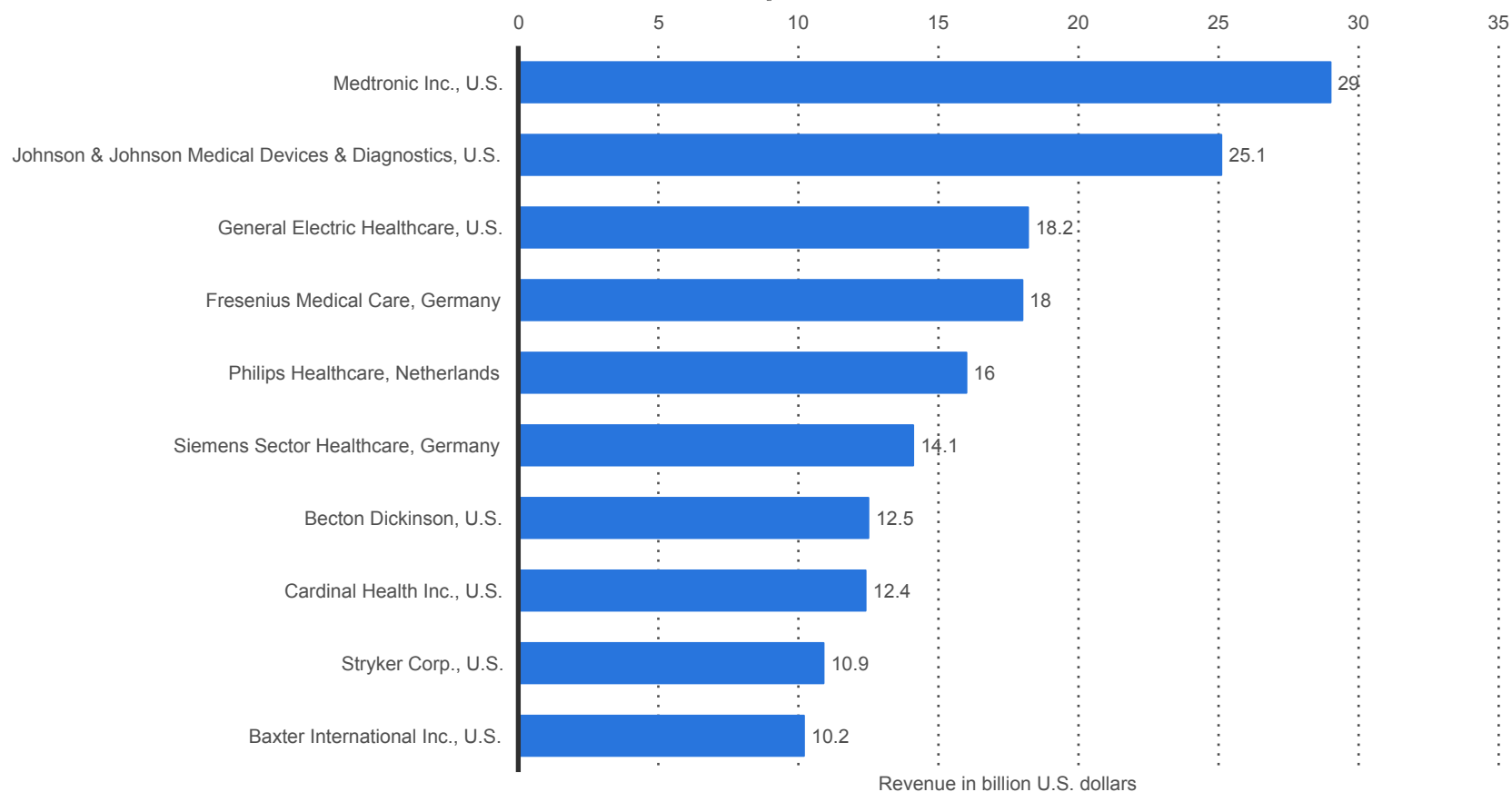
Source: EY; Various sources (Company data); Capital IQ [ID 277618](#)

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◆ **Companies**

Medical technology - top 10 companies based on revenue 2016

## Top 10 medical technology companies worldwide based on revenue in 2016 (in billion U.S. dollars)



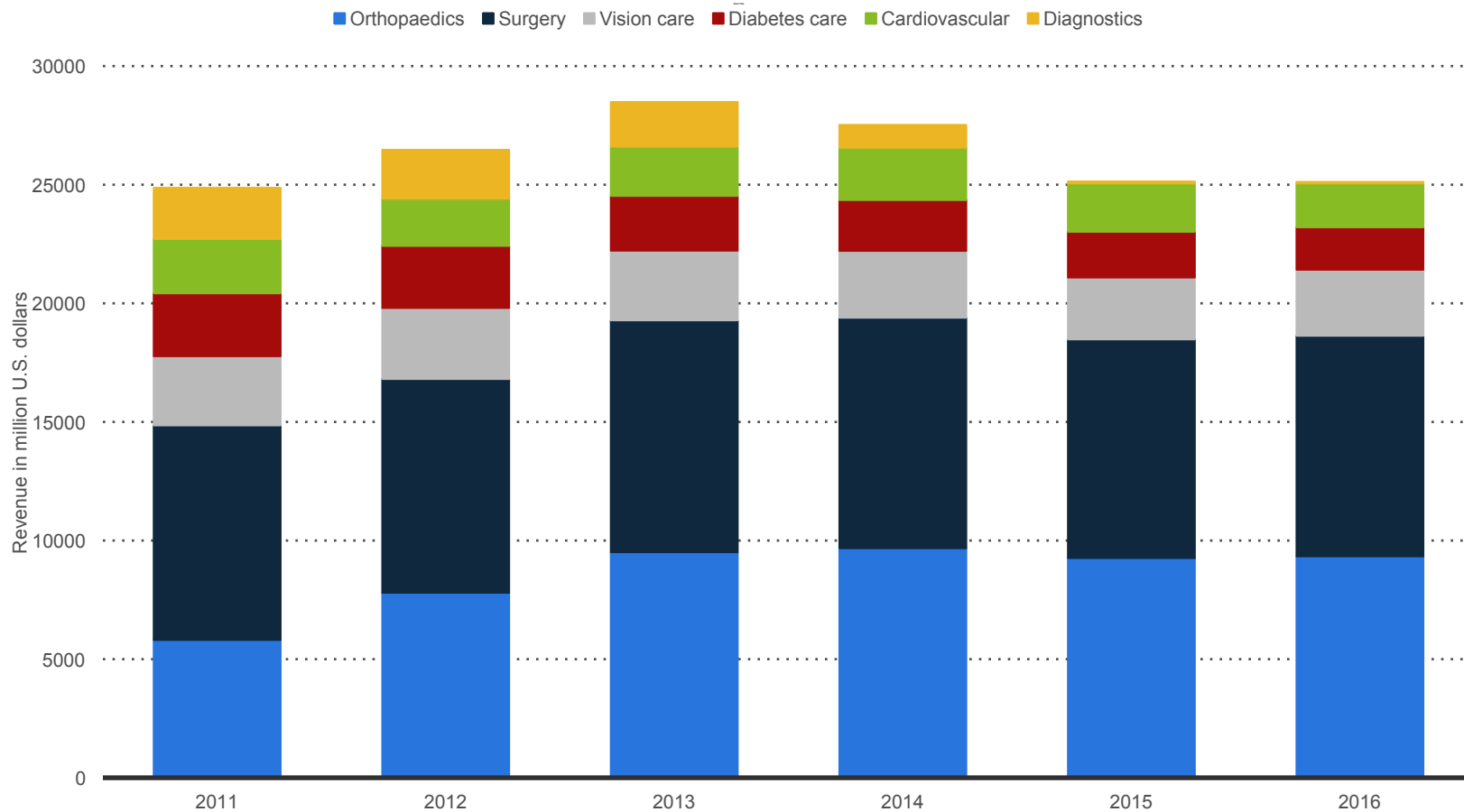
Note: Worldwide

Further information regarding this statistic can be found on [page 55](#).

Source: ProClinical [ID 281544](#)

Revenue of Johnson & Johnson's medical devices and diagnostics by franchise 2011-2016

## Revenue of Johnson & Johnson's medical devices and diagnostics segment from 2011 to 2016, by franchise (in million U.S. dollars)



Note: Worldwide; 2011 to 2016

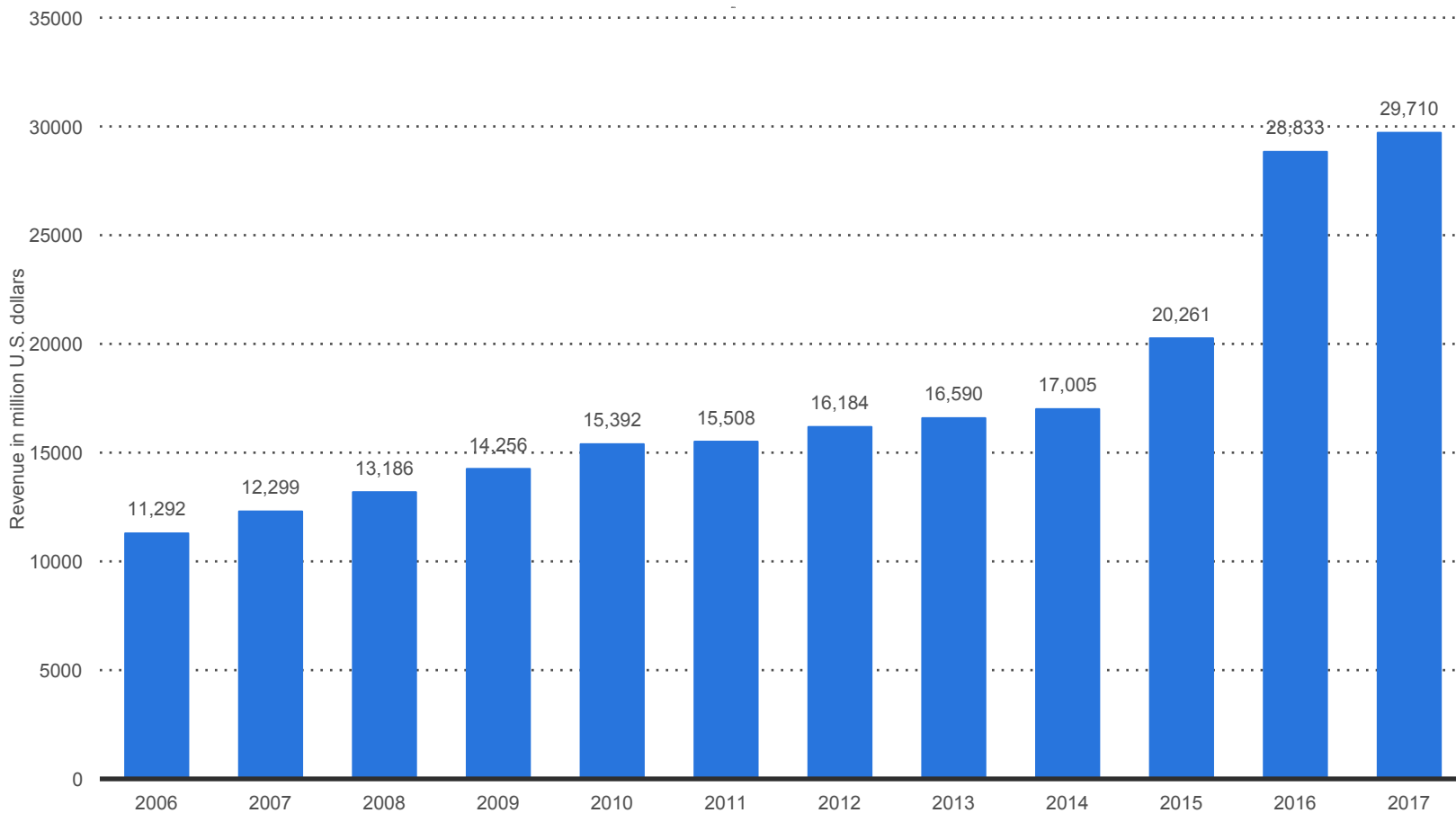
Further information regarding this statistic can be found on [page 56](#).

Source: Johnson & Johnson [ID 266406](#)



Medtronic's total revenue 2006-2017

## Medtronic's total revenue from 2006 to 2017 (in million U.S. dollars)



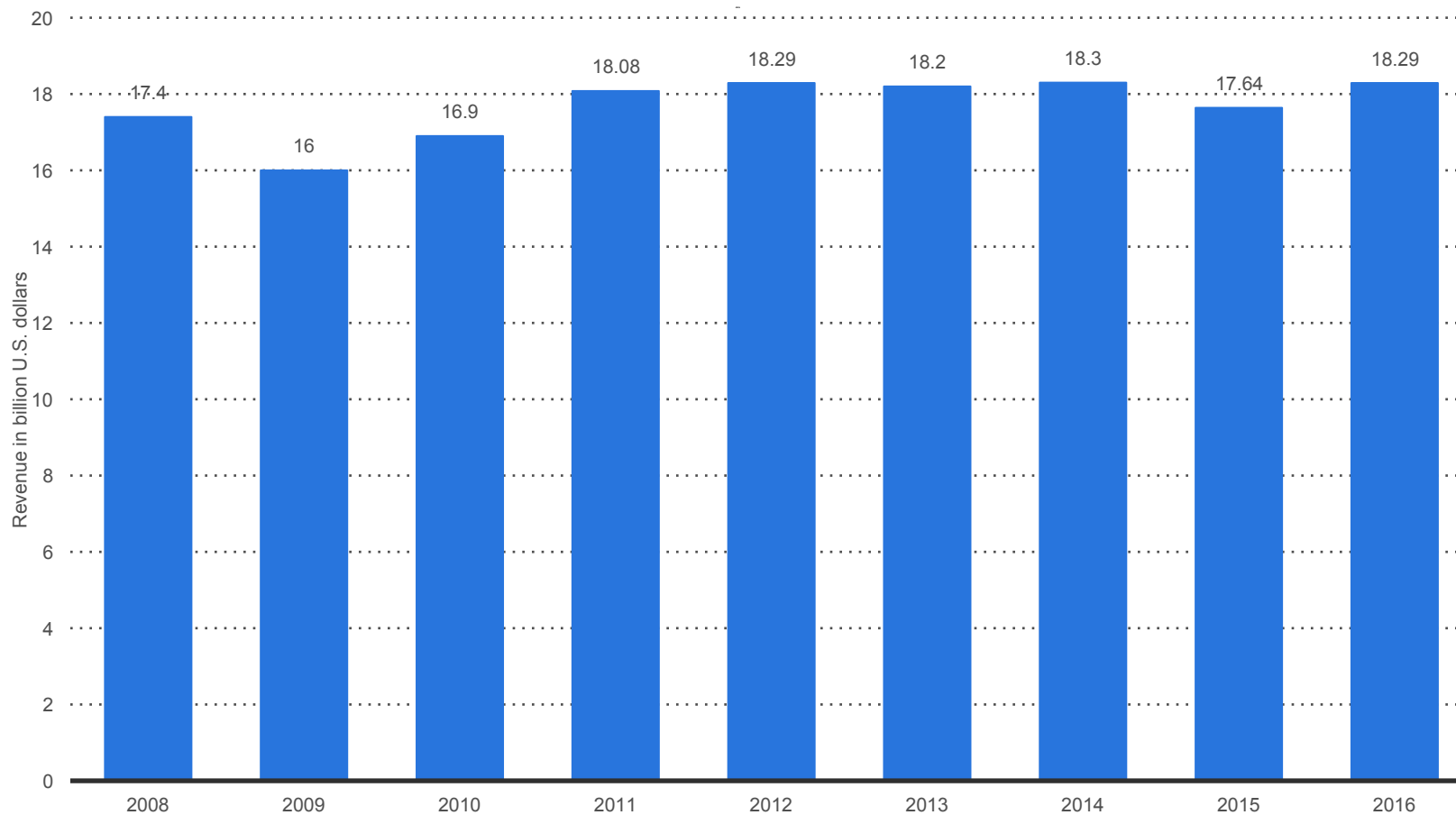
Note: Worldwide

Further information regarding this statistic can be found on [page 57](#).

Source: Medtronic [ID 241515](#)

General Electric revenue in the Healthcare segment 2008-2016

## Revenue of General Electric Healthcare from 2008 to 2016 (in billion U.S. dollars)



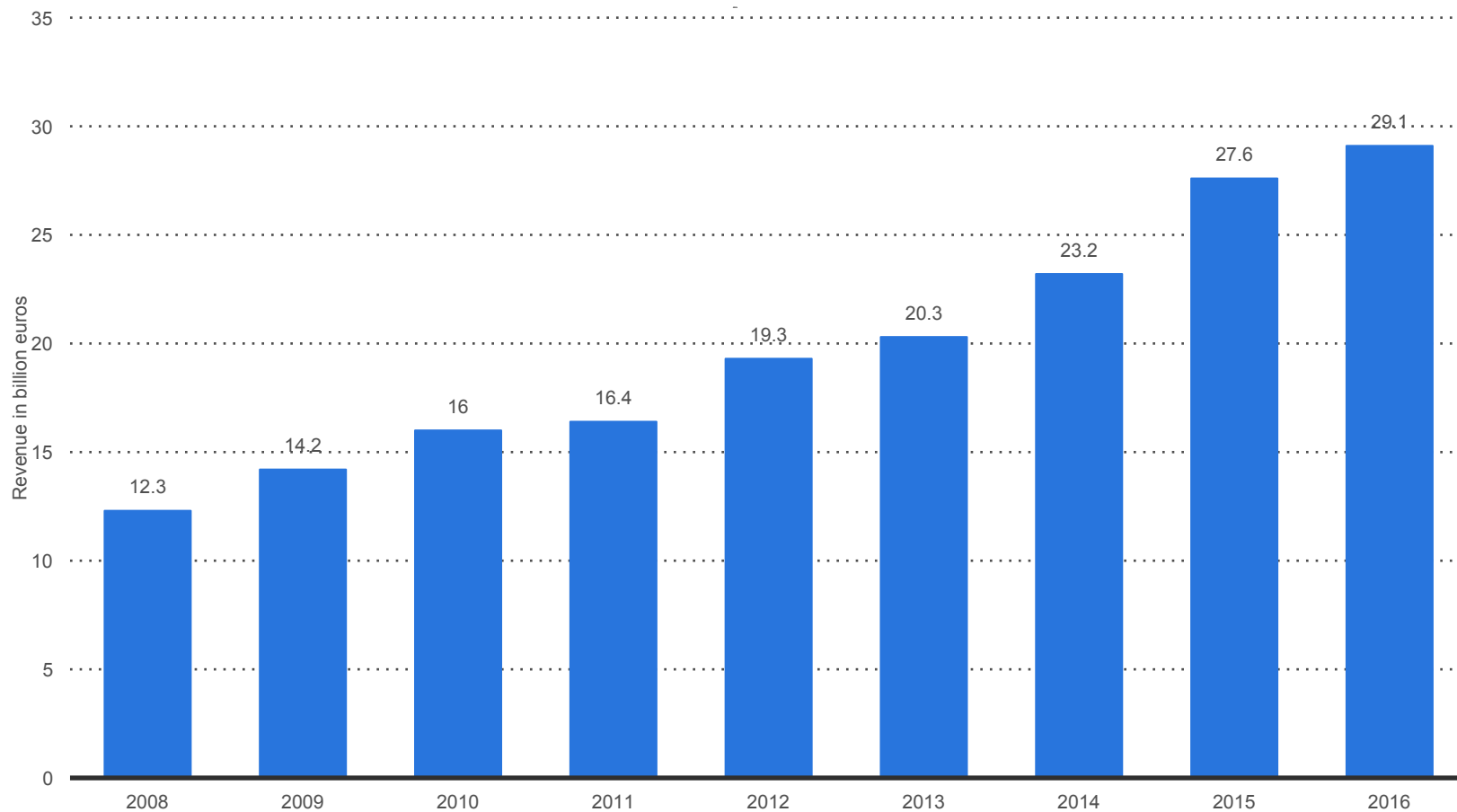
Note: Worldwide

Further information regarding this statistic can be found on [page 58](#).

Source: General Electric [ID 277734](#)

Revenue of Fresenius 2008-2016

## Revenue of the Fresenius Group from 2008 to 2016 (in billion euros)



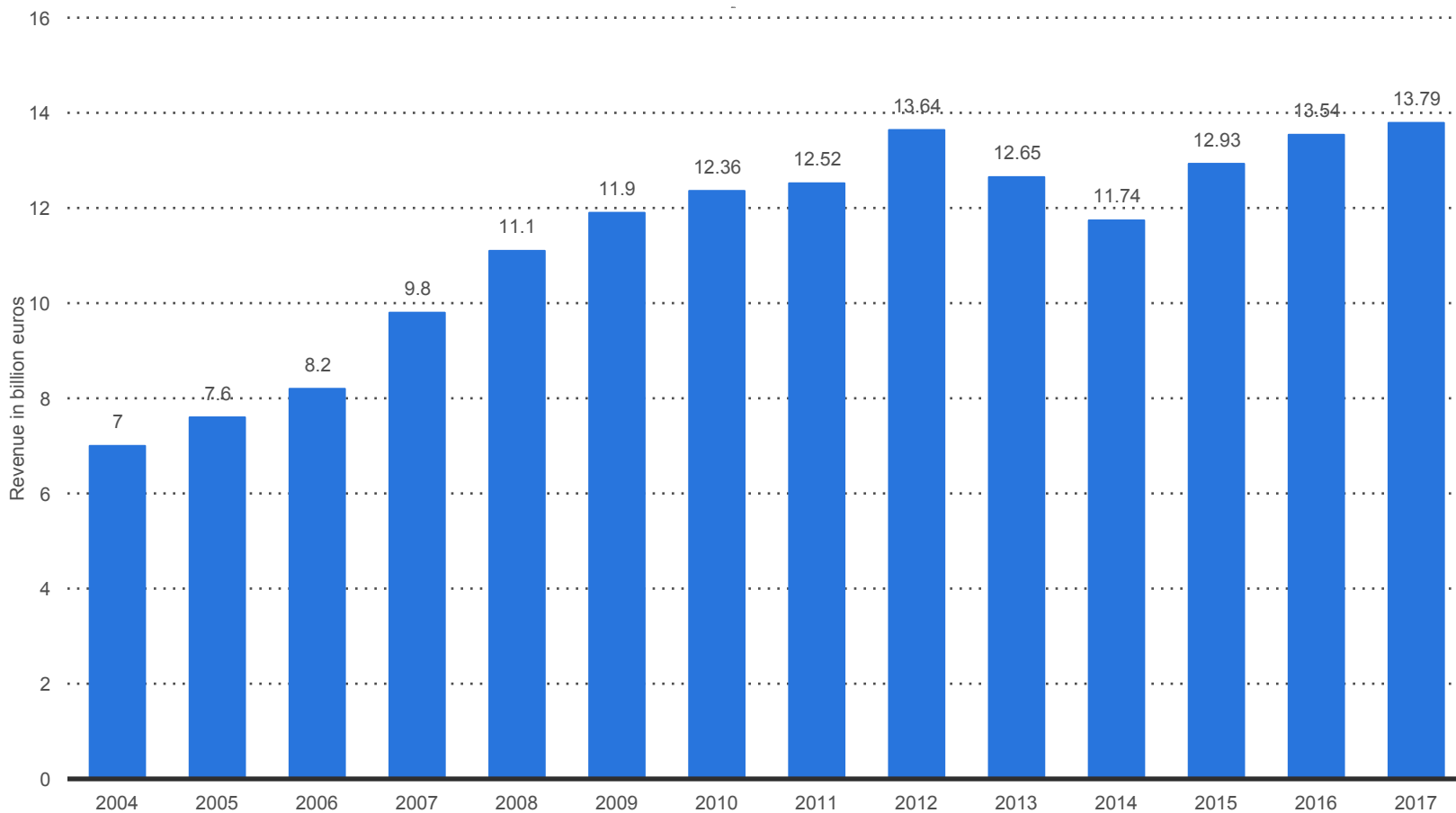
Note: Worldwide

Further information regarding this statistic can be found on [page 59](#).

Source: Fresenius [ID 280205](#)

Medical technology revenue of Siemens 2004-2017

## Medical technology revenue of Siemens AG from 2004 to 2017 (in billion euros)\*



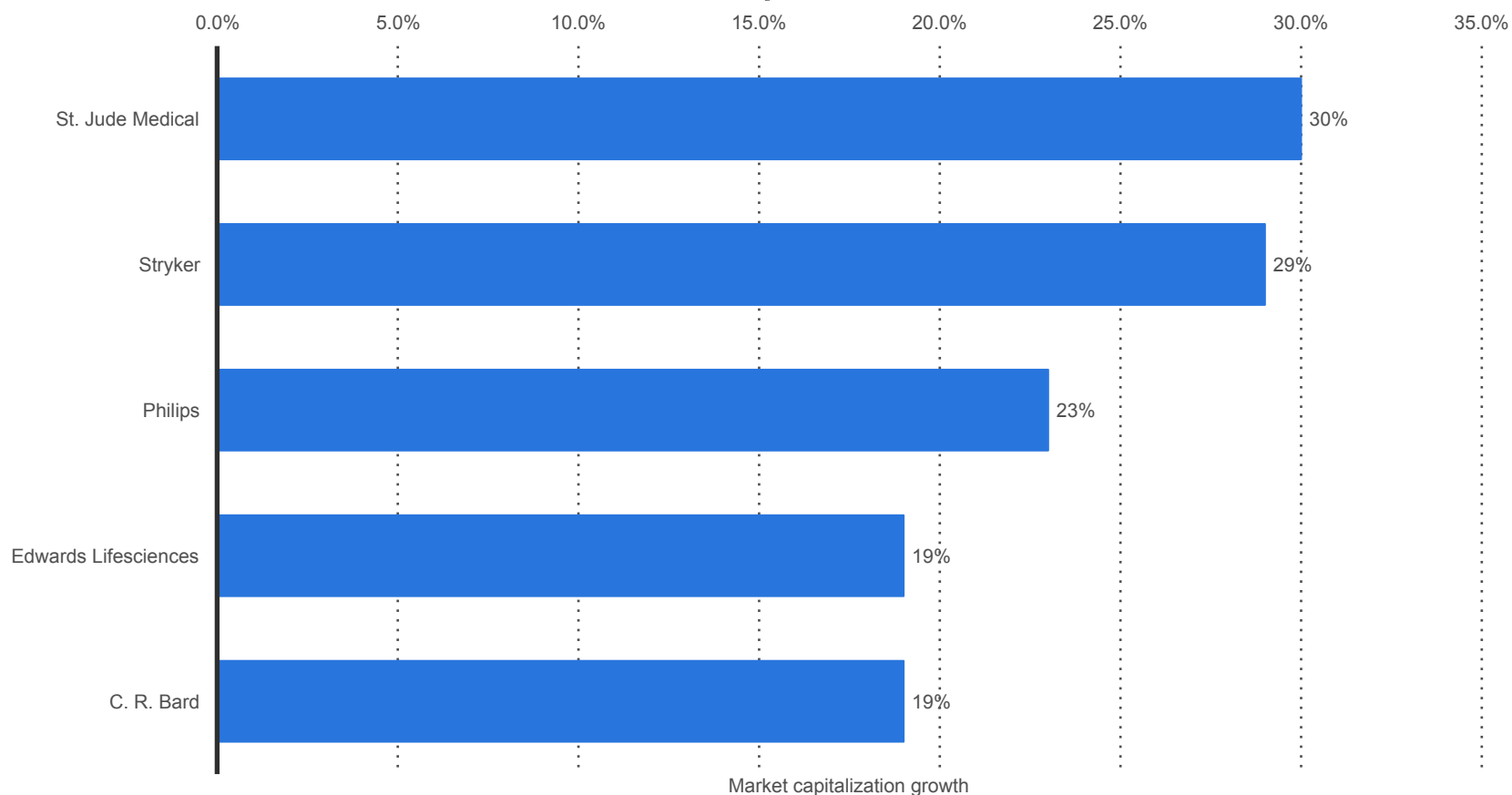
Note: Worldwide

Further information regarding this statistic can be found on [page 60](#).

Source: Siemens [ID 267010](#)

Market capitalization growth of top large medtech companies worldwide 2016

## Top large medical technology companies based on market capitalization growth in 2016 (in billion U.S. dollars)\*



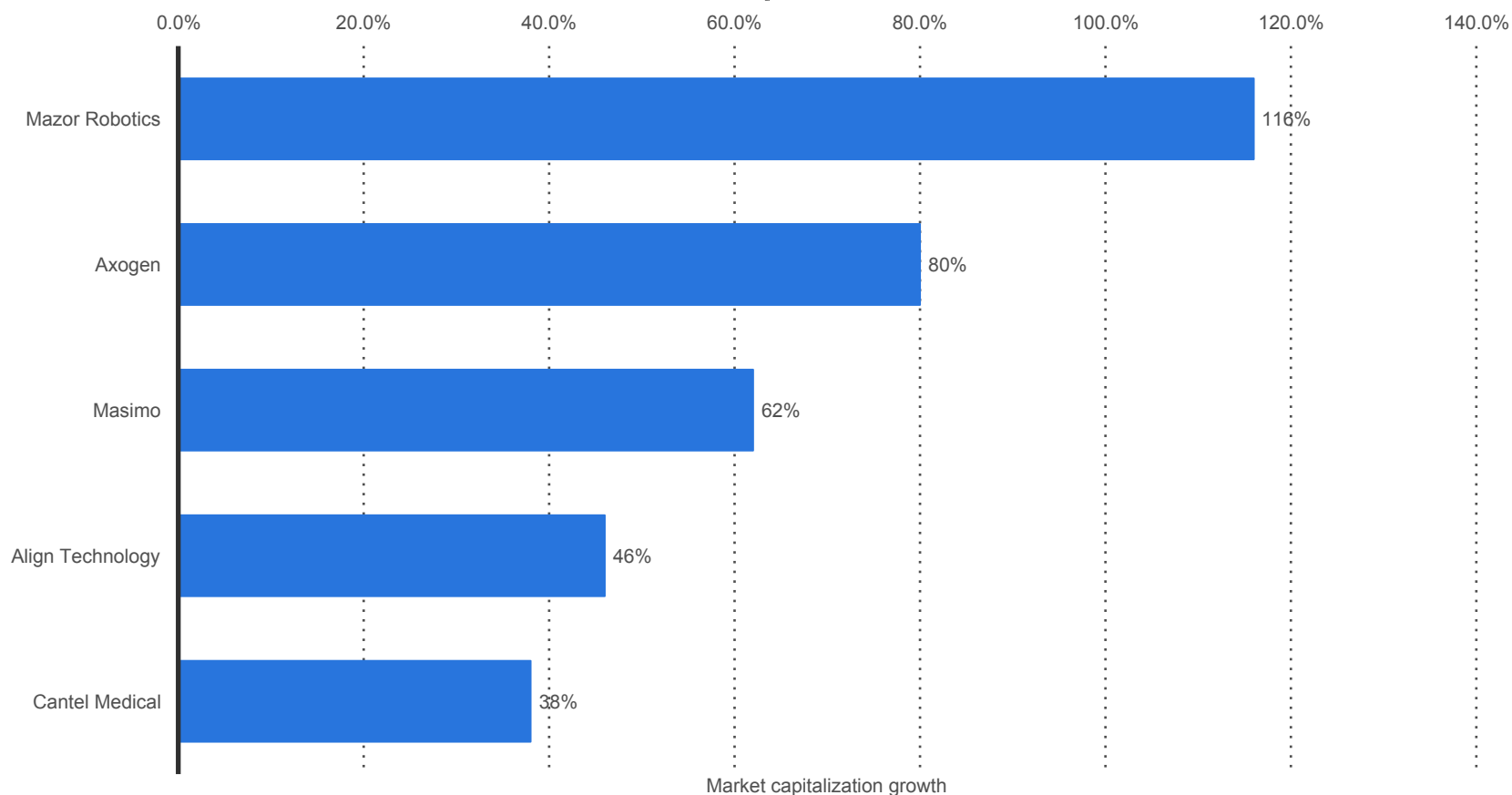
Note: Worldwide

Further information regarding this statistic can be found on [page 61](#).

Source: Evaluate [ID 440554](#)

Market capitalization growth of small medtech companies worldwide 2016

## Top smaller medical technology companies worldwide based on market capitalization growth in 2016\*



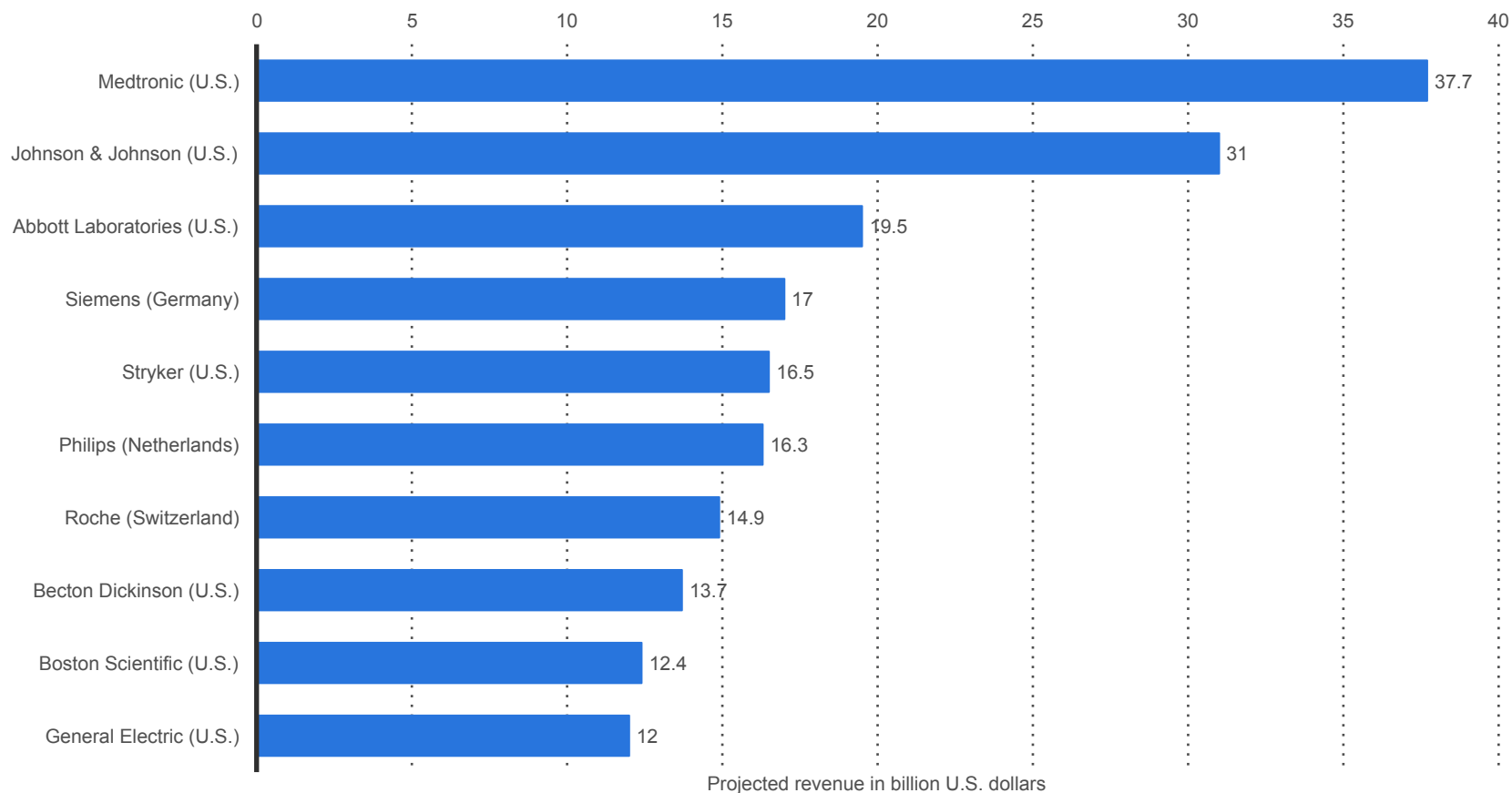
Note: Worldwide

Further information regarding this statistic can be found on [page 62](#).

Source: Evaluate [ID 440567](#)

Predicted top medical technology companies by revenue 2022

## Projected top 10 companies by medical technology revenue in 2022 (in billion U.S. dollars)



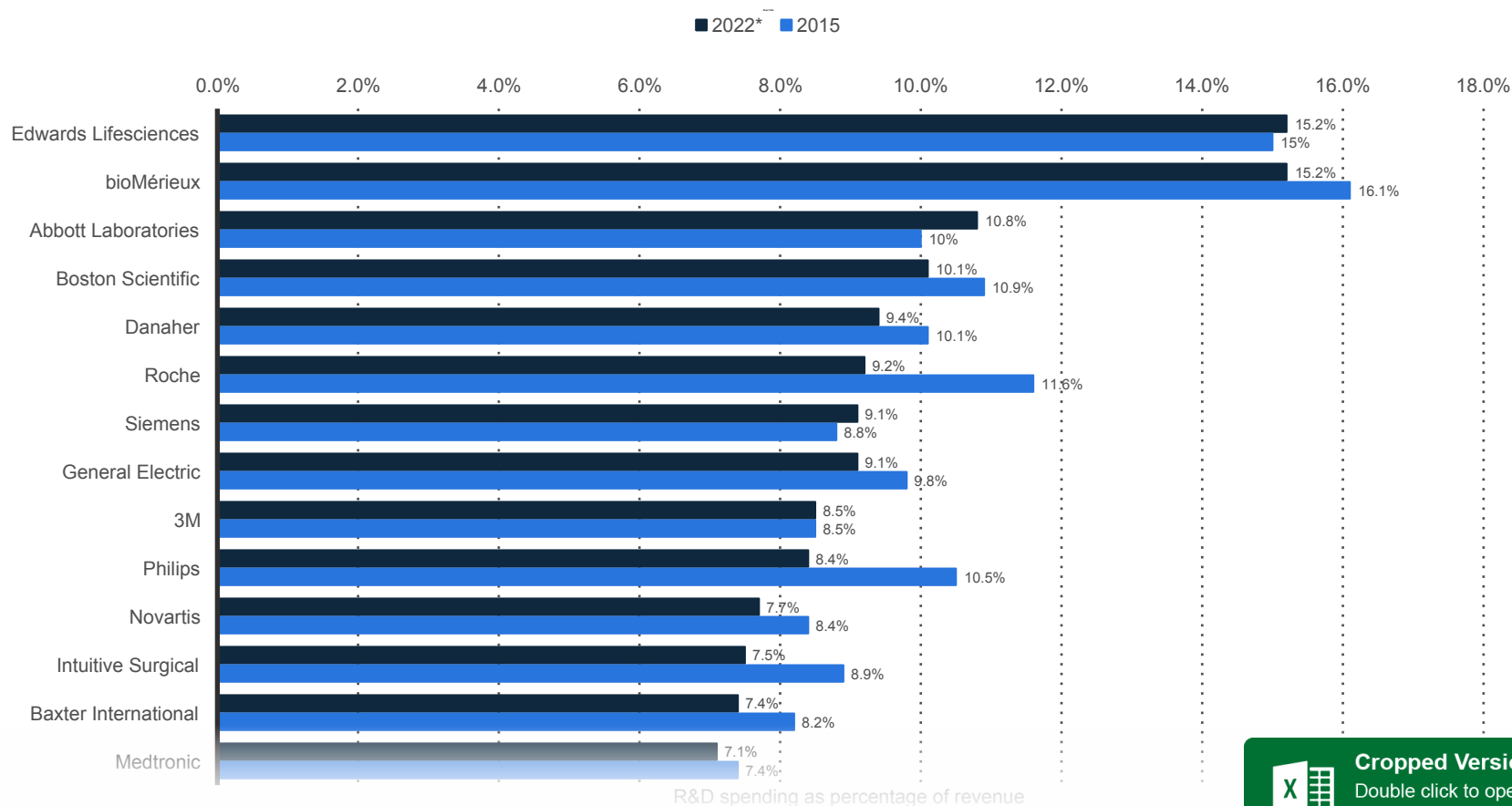
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 63](#).

Source: Evaluate [ID 309291](#)

Global medical technology R&D spending share in top companies 2016 and 2022

## Leading global medtech companies by R&D spending as a percentage of revenue in 2016 and 2022



**Cropped Version**

Double click to open excel file with complete data

Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 64](#).

Source: Evaluate [ID 329075](#)

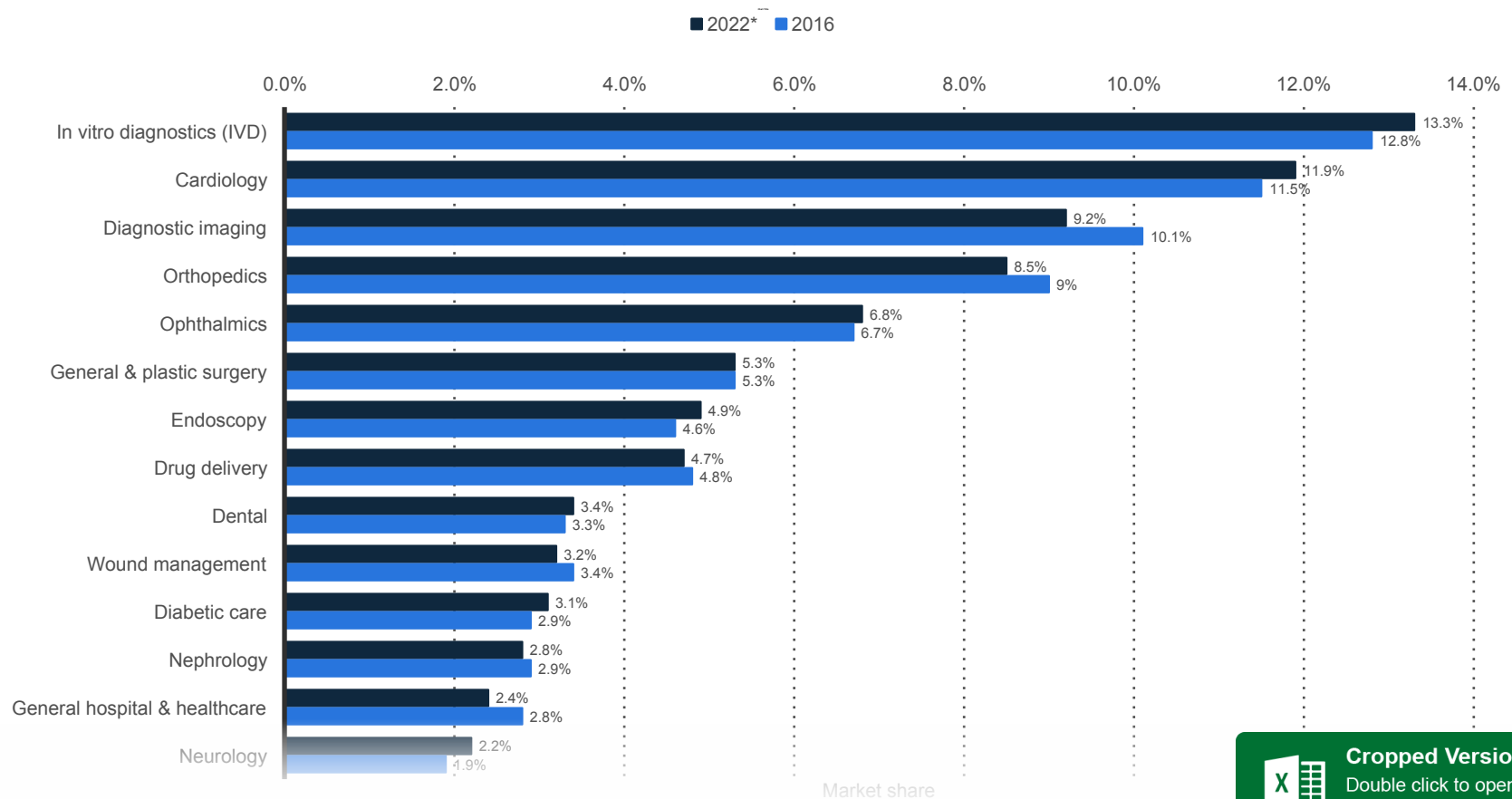


Medical technology industry

◆ **Segments**

Global medtech market share by segment 2016 and 2022

## Top global medical technology segments by market share in 2016 and 2022



**Cropped Version**

Double click to open excel file with complete data

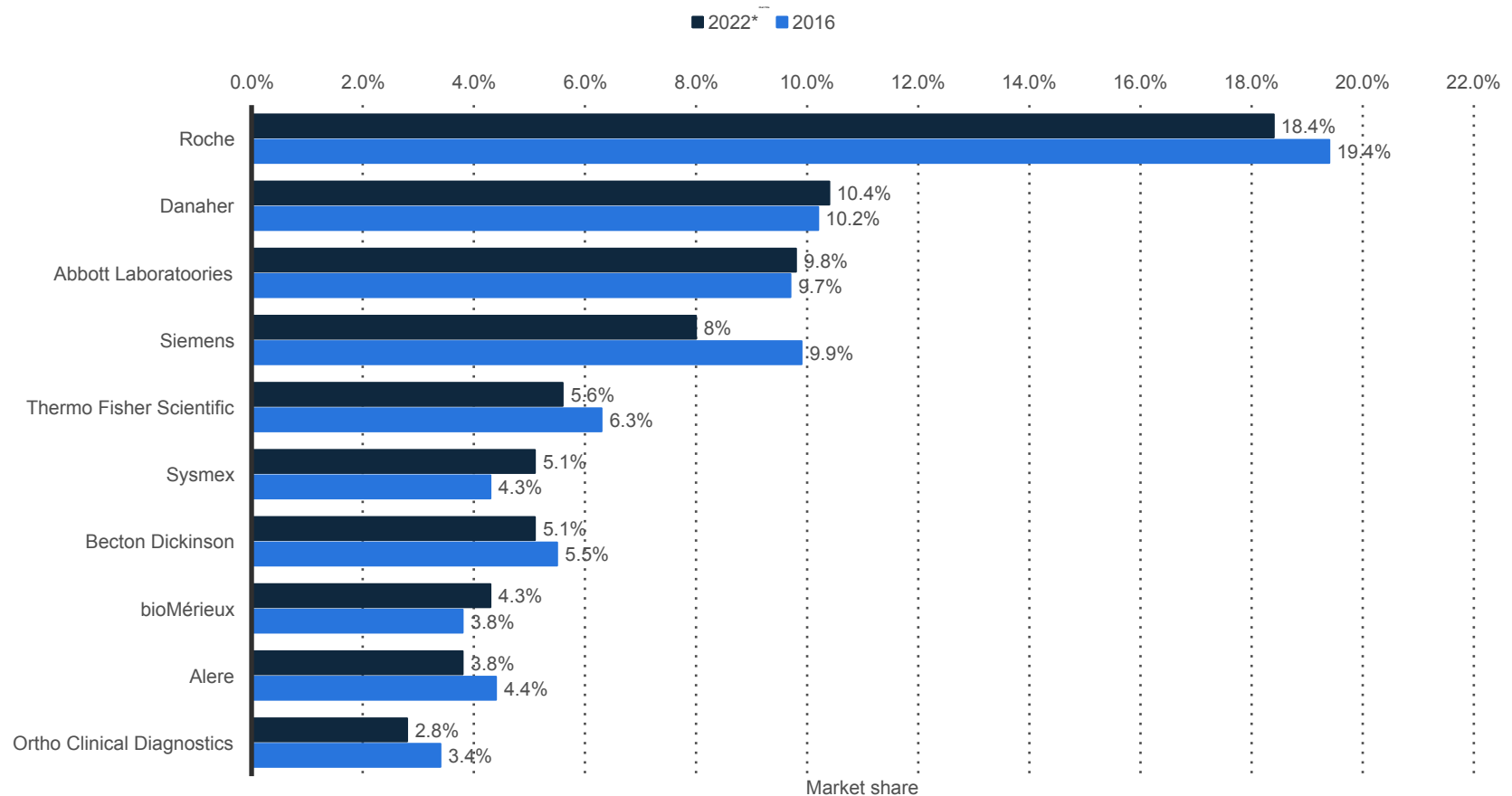
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 65](#).

Source: Evaluate [ID 309273](#)

Global in vitro diagnostics market share by top medtech companies 2016 and 2022

## Global top 10 companies based on in vitro diagnostics market share in 2016 and 2022



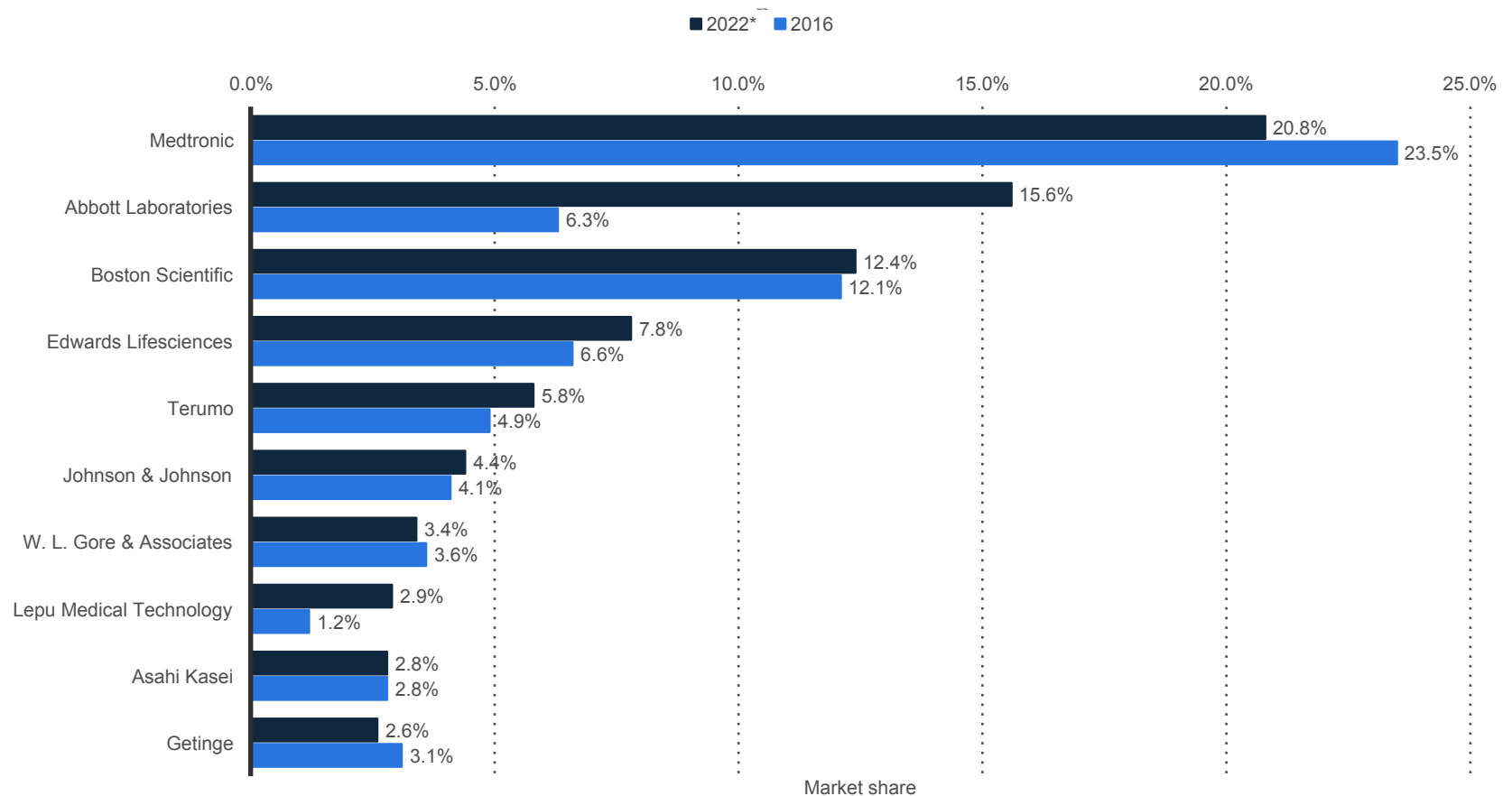
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 66](#).

Source: Evaluate [ID 331722](#)

Global cardiology market share by top 10 medtech companies 2016 and 2022

## Global top 10 companies based on cardiologic medical technology market share in 2016 and 2022



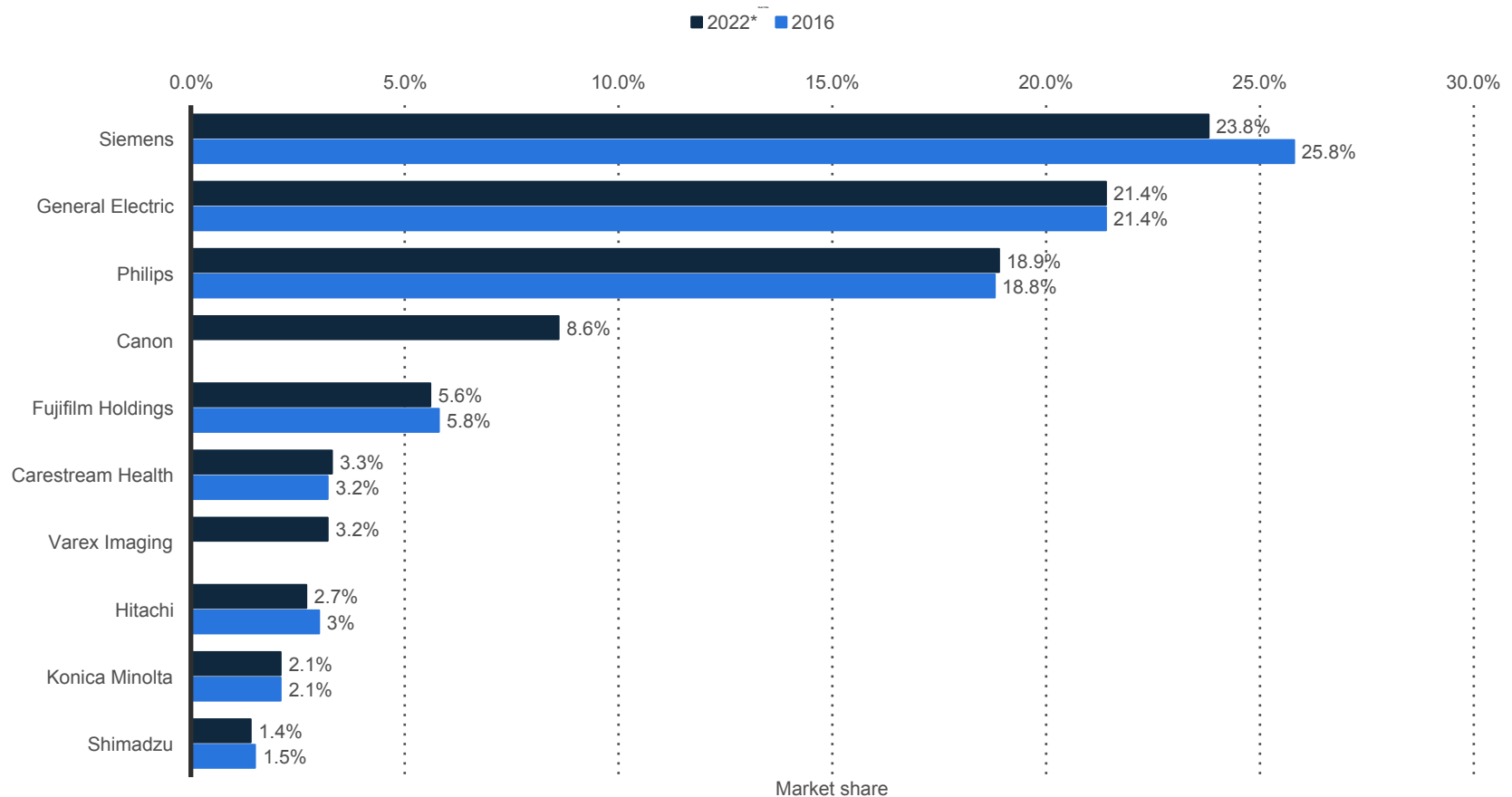
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 67](#).

Source: Evaluate [ID 331725](#)

Global diagnostic imaging market shares of top medtech companies 2016 and 2022

## Global top 10 companies based on diagnostic imaging market share in 2016 and 2022



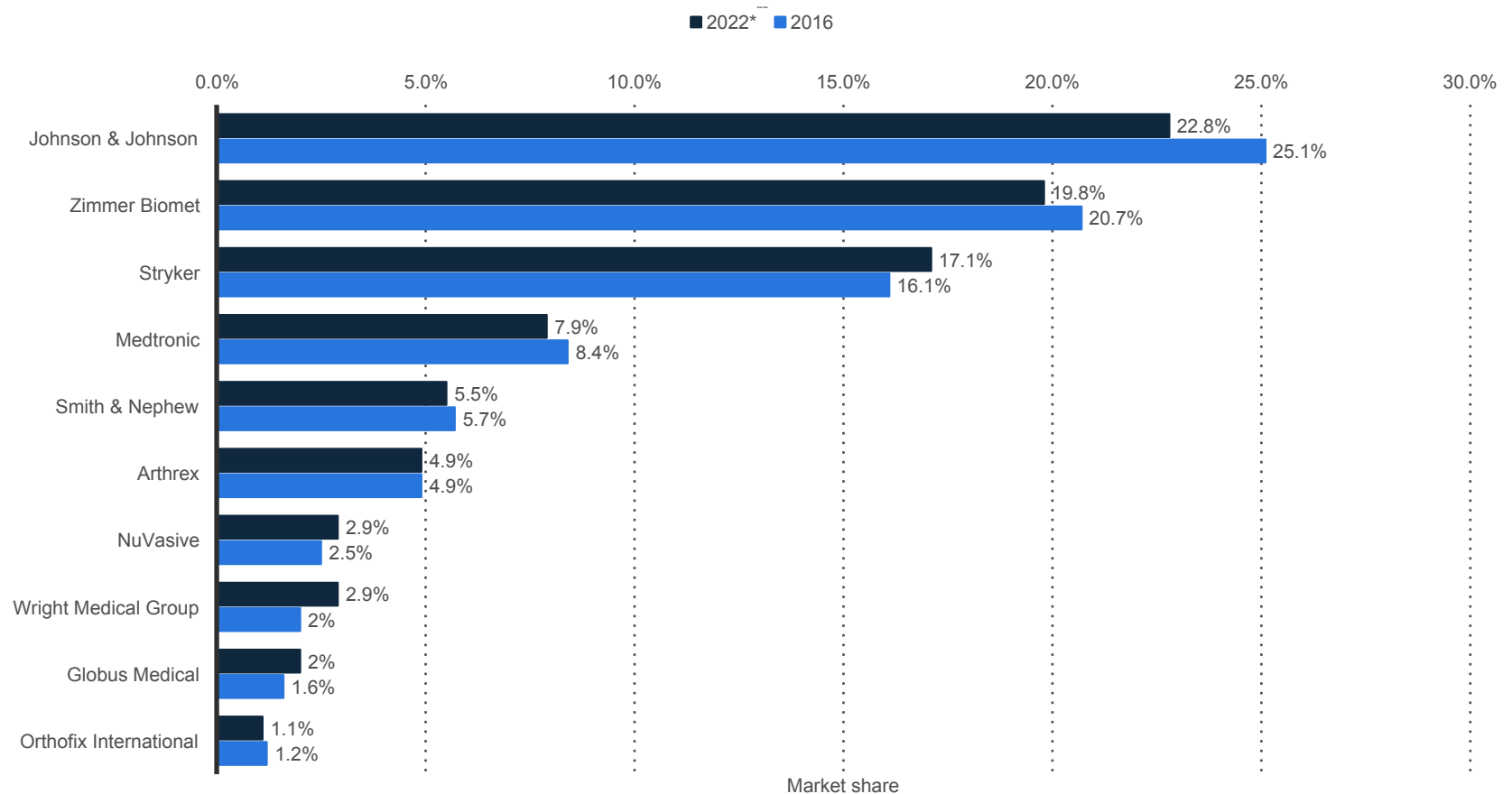
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 68](#).

Source: Evaluate [ID 331739](#)

Global orthopedics market share - top medtech companies 2016 and 2022

## Global top 10 companies based on orthopedic medical technology market share in 2016 and 2022



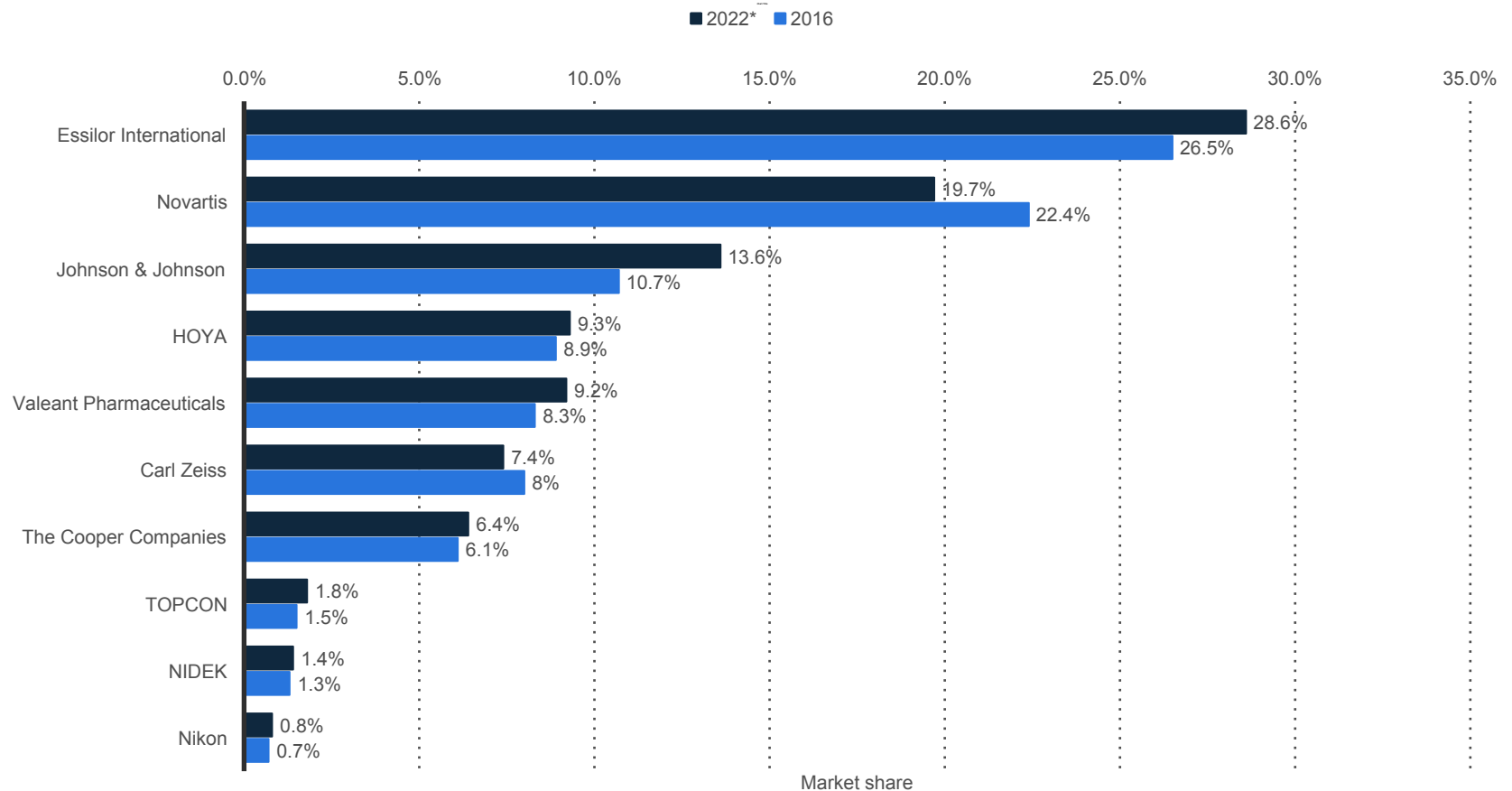
Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 69](#).

Source: Evaluate [ID 331747](#)

Global ophthalmics market share of top medtech companies 2016-2022

## Global top 10 companies based on ophthalmic medtech market share in 2016 and 2022



Note: Worldwide; as of September 2017

Further information regarding this statistic can be found on [page 70](#).

Source: Evaluate [ID 331762](#)

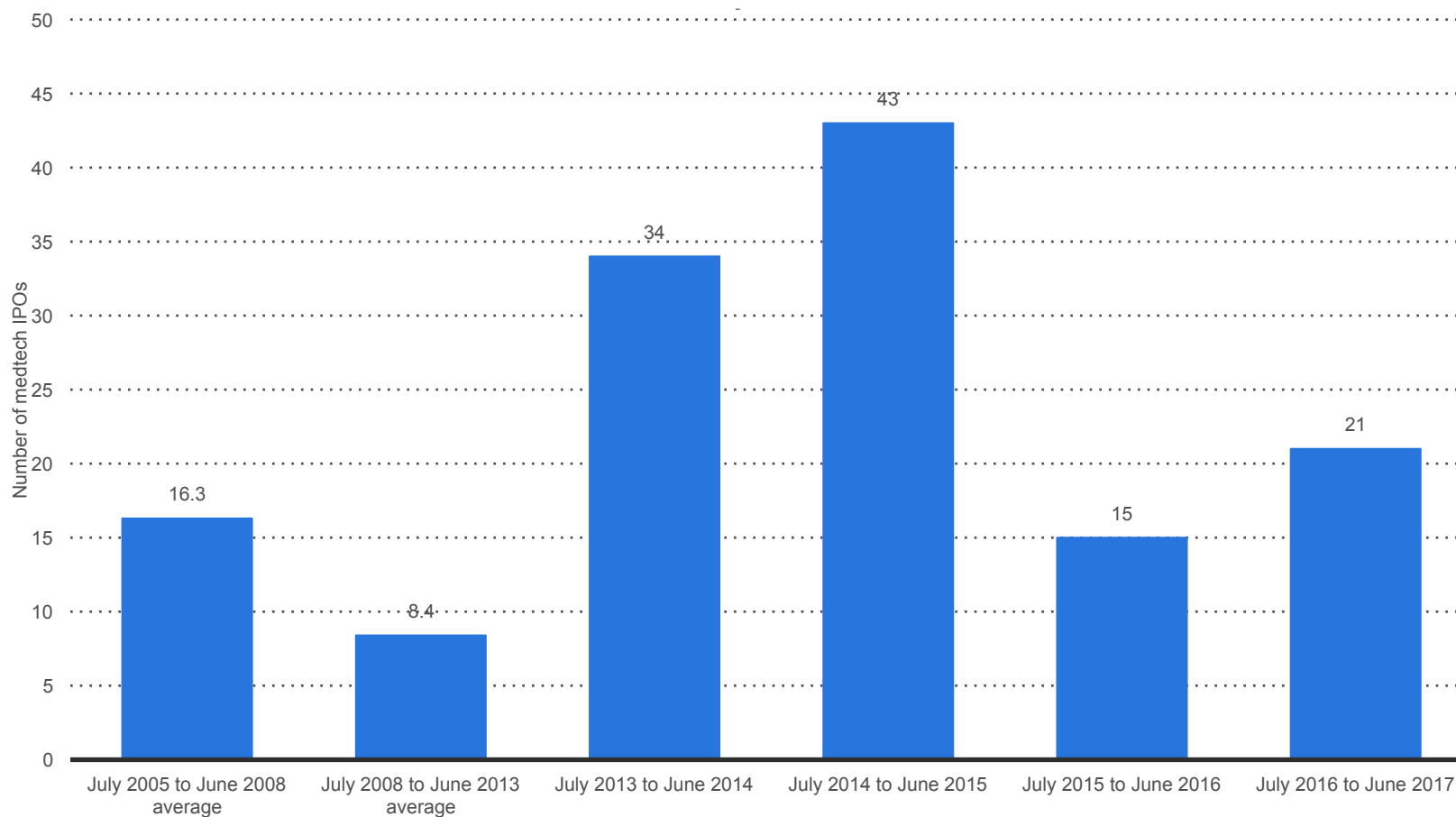
Medical technology industry

◆ **IPOs, M&As, funding**



Medtech IPOs before and after the financial crisis as of 2017

## Number of medtech IPOs before and after the financial crisis as of 2017



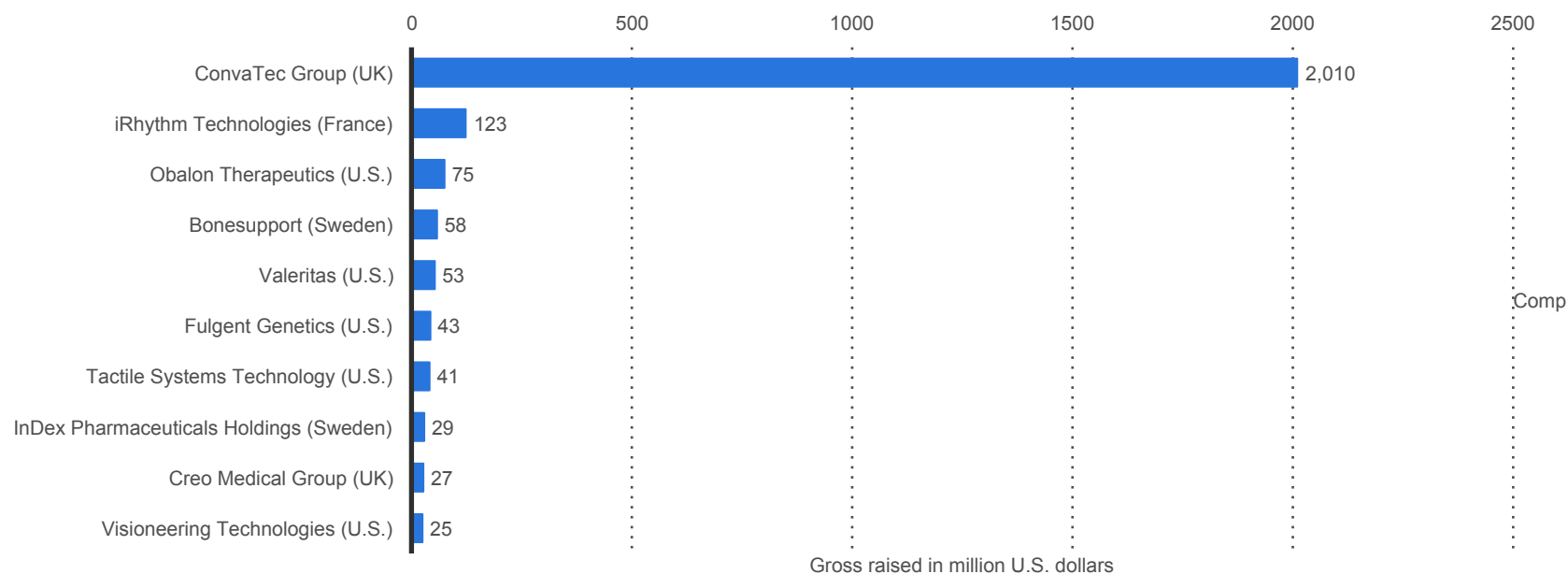
Note: United States

Further information regarding this statistic can be found on [page 71](#).

Source: EY; Dow Jones; Capital IQ; BioCentury [ID 277598](#)

Selected major medtech IPOs in the U.S. and Europe by proceeds 2016-2017

## Selected major medtech IPOs in the United States and Europe in 2016-2017, by proceeds (in million U.S. dollars)



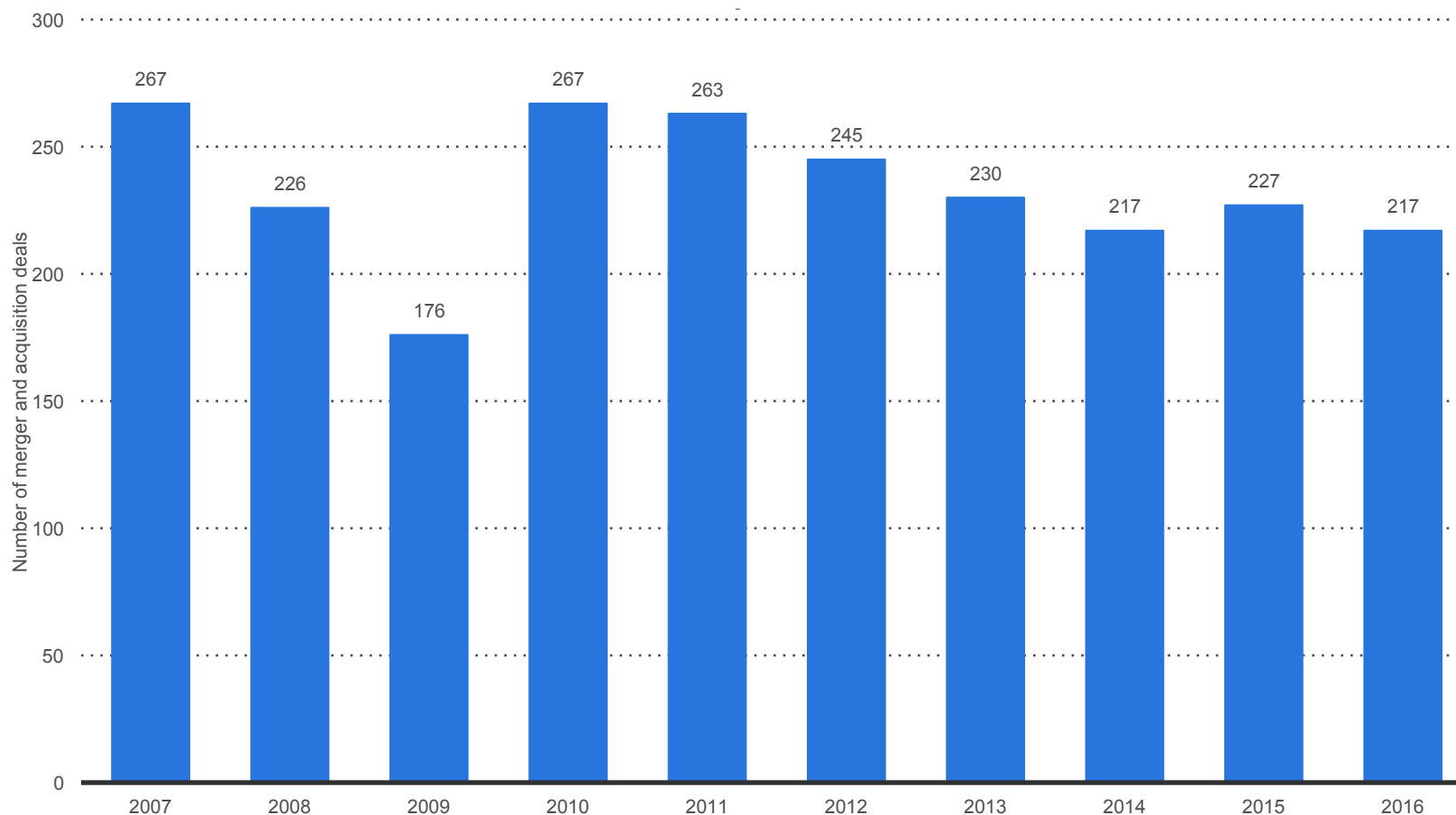
Note: Europe; United States; July 2016 to June 2017

Further information regarding this statistic can be found on [page 72](#).

Source: EY; Dow Jones; Capital IQ; BioCentury [ID 277635](#)

Number of M&A deals in medical technology worldwide 2007-2016

## Number of merger and acquisition deals in the medical technology industry worldwide from 2007 to 2016



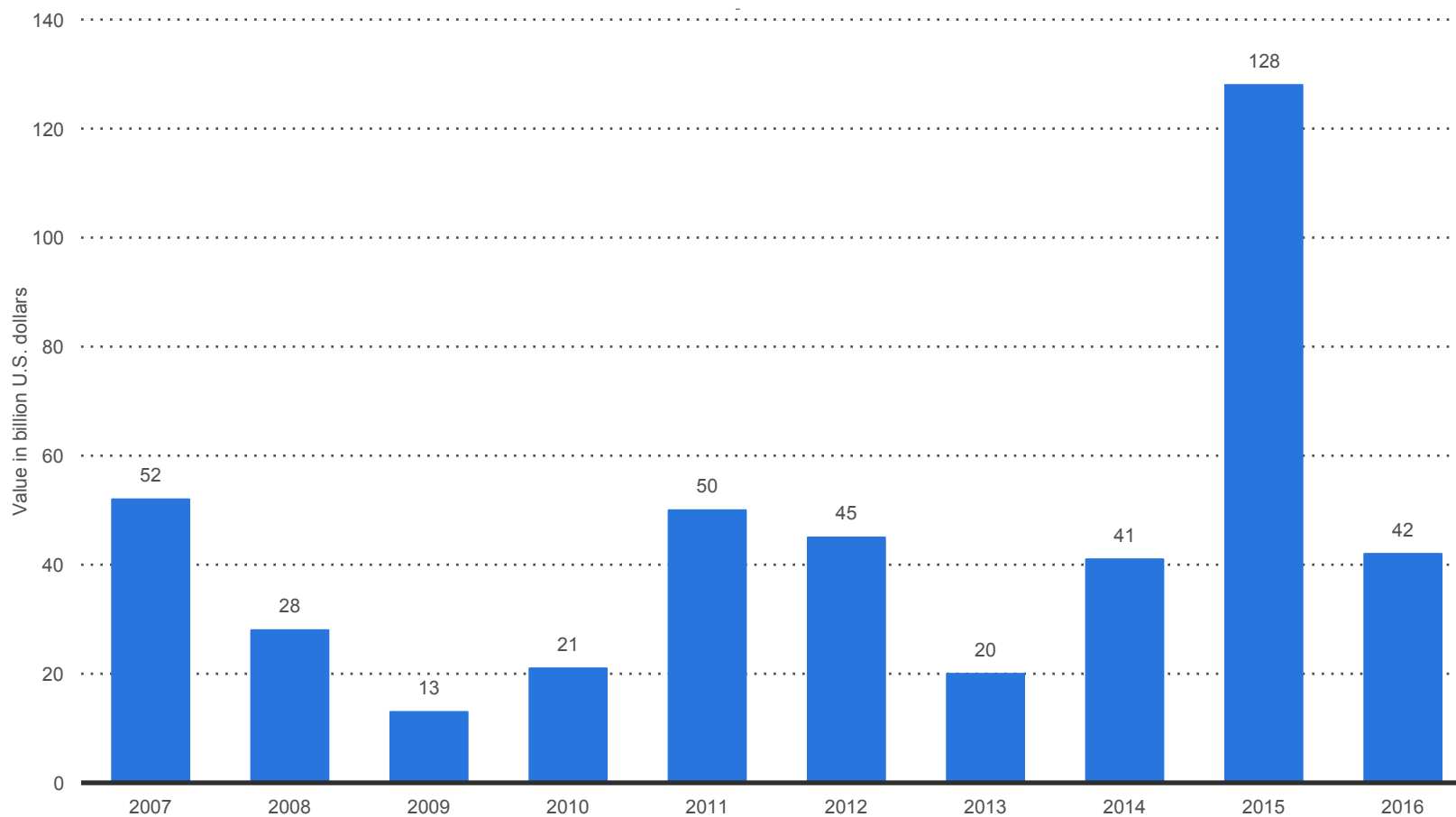
Note: Worldwide

Further information regarding this statistic can be found on [page 73](#).

Source: Evaluate [ID 331764](#)

Value of M&A medical technology company deals worldwide 2007-2016

## Value of merger and acquisition deals in the medical technology industry worldwide from 2007 to 2016 (in billion U.S. dollars)



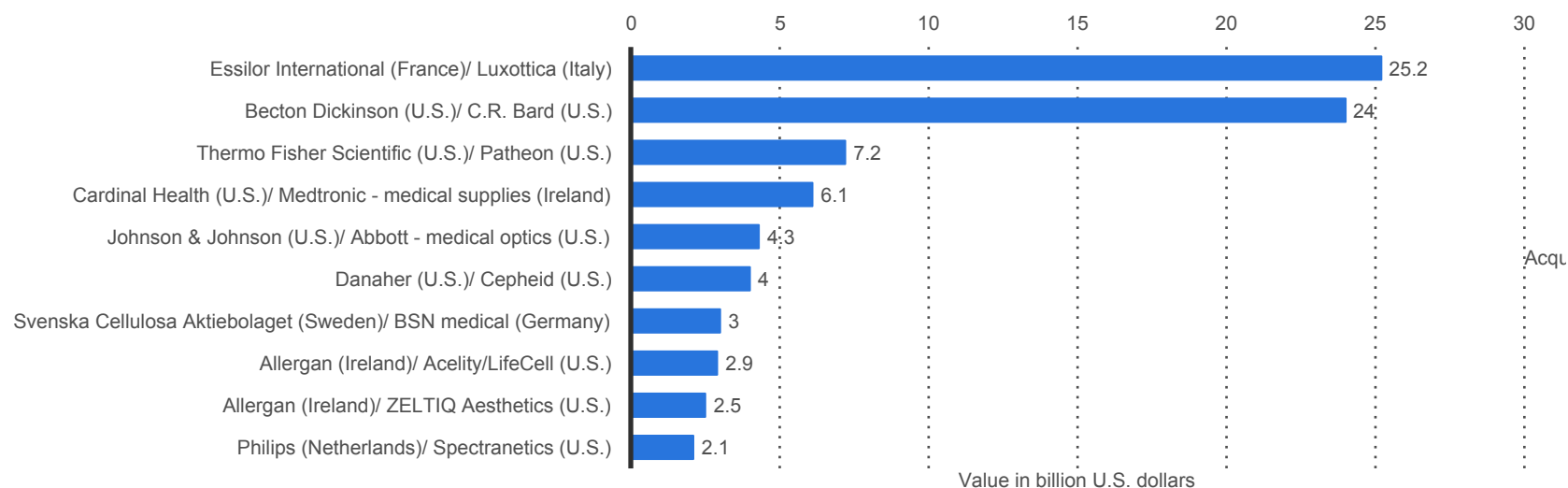
Note: Worldwide

Further information regarding this statistic can be found on [page 74](#).

Source: Evaluate [ID 331774](#)

Top medtech mergers and acquisitions by value 2016-2017

## Selected top medtech mergers and acquisitions worldwide in 2016-2017, by value (in billion U.S. dollars)



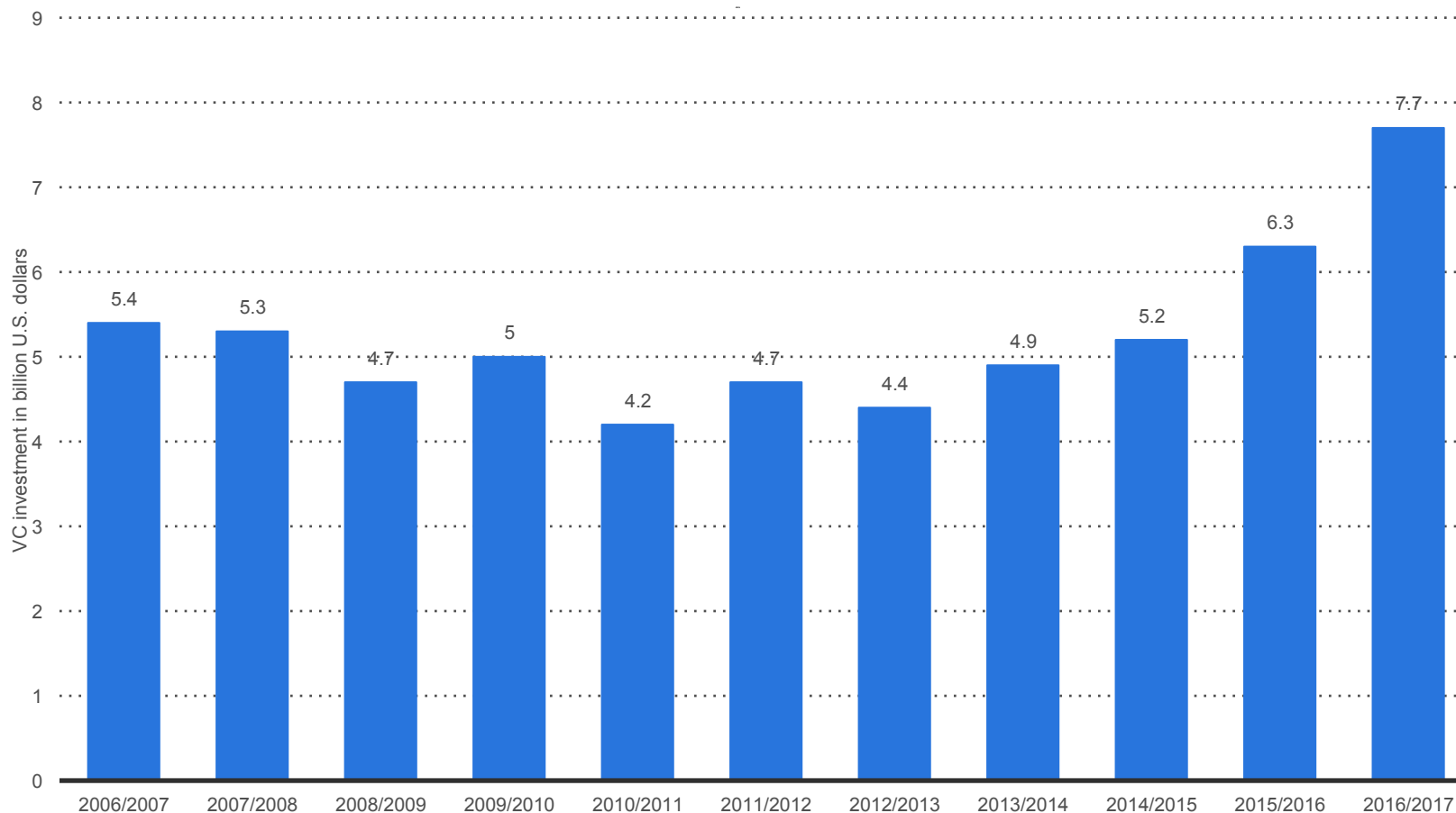
Note: Worldwide; July 2016 to June 2017

Further information regarding this statistic can be found on [page 75](#).

Source: EY; Thomson Reuters (Thomson One); Capital IQ [ID 277638](#)

Medtech venture capital investment - U.S. and Europe 2006-2017

## Medtech venture capital investment in the U.S. and Europe from 2006/2007 to 2016/2017 (in billion U.S. dollars)\*



Note: Europe; United States

Further information regarding this statistic can be found on [page 76](#).

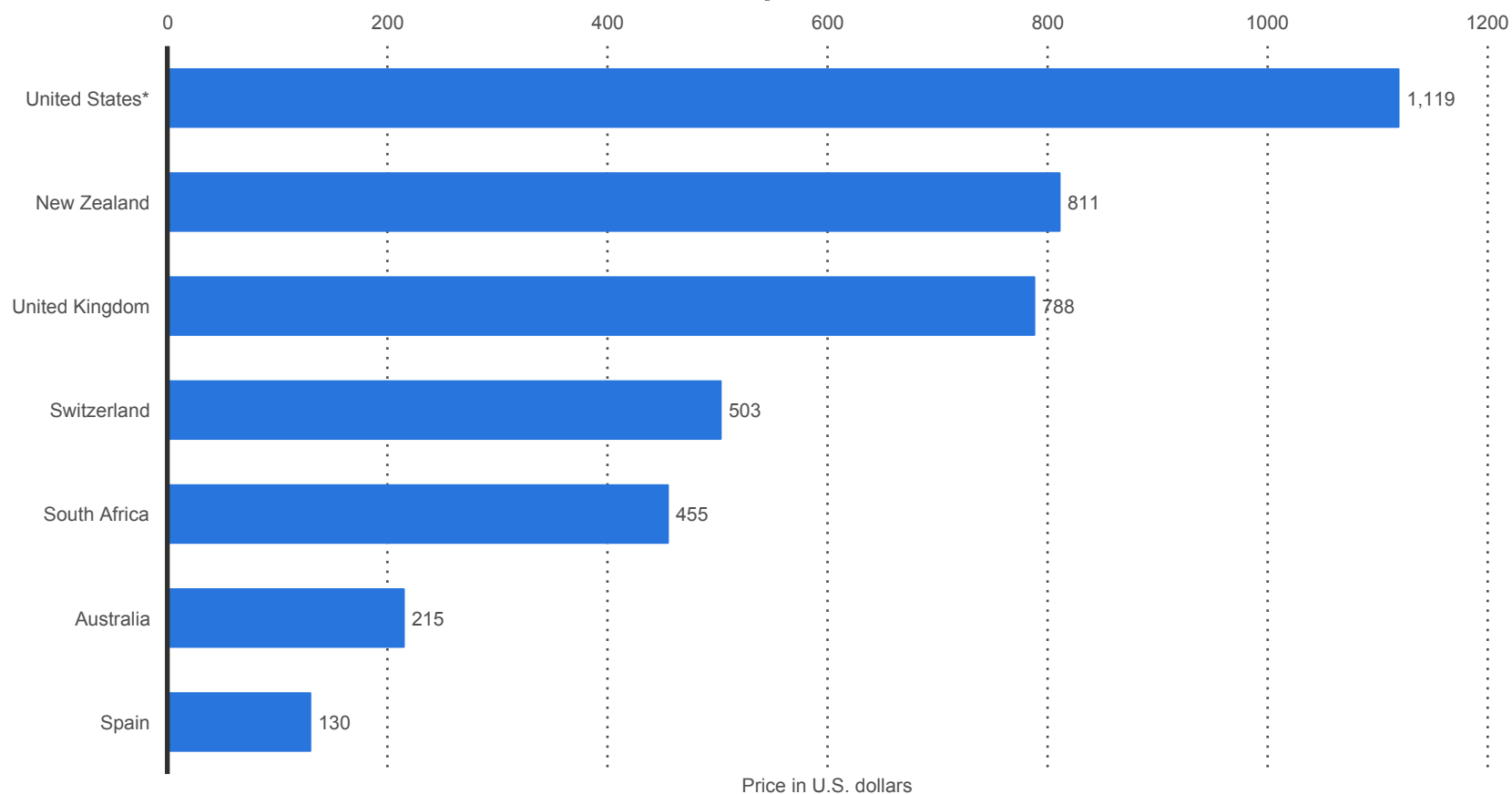
Source: EY; Dow Jones; Capital IQ; BMO Capital Markets [ID 279152](#)

Medical technology industry

## ◆ **Costs and utilization**

Average price of a MRI by country 2014

## Average prices of a magnetic resonance imaging (MRI) in selected countries in 2014 (in U.S. dollars)



Note: Worldwide

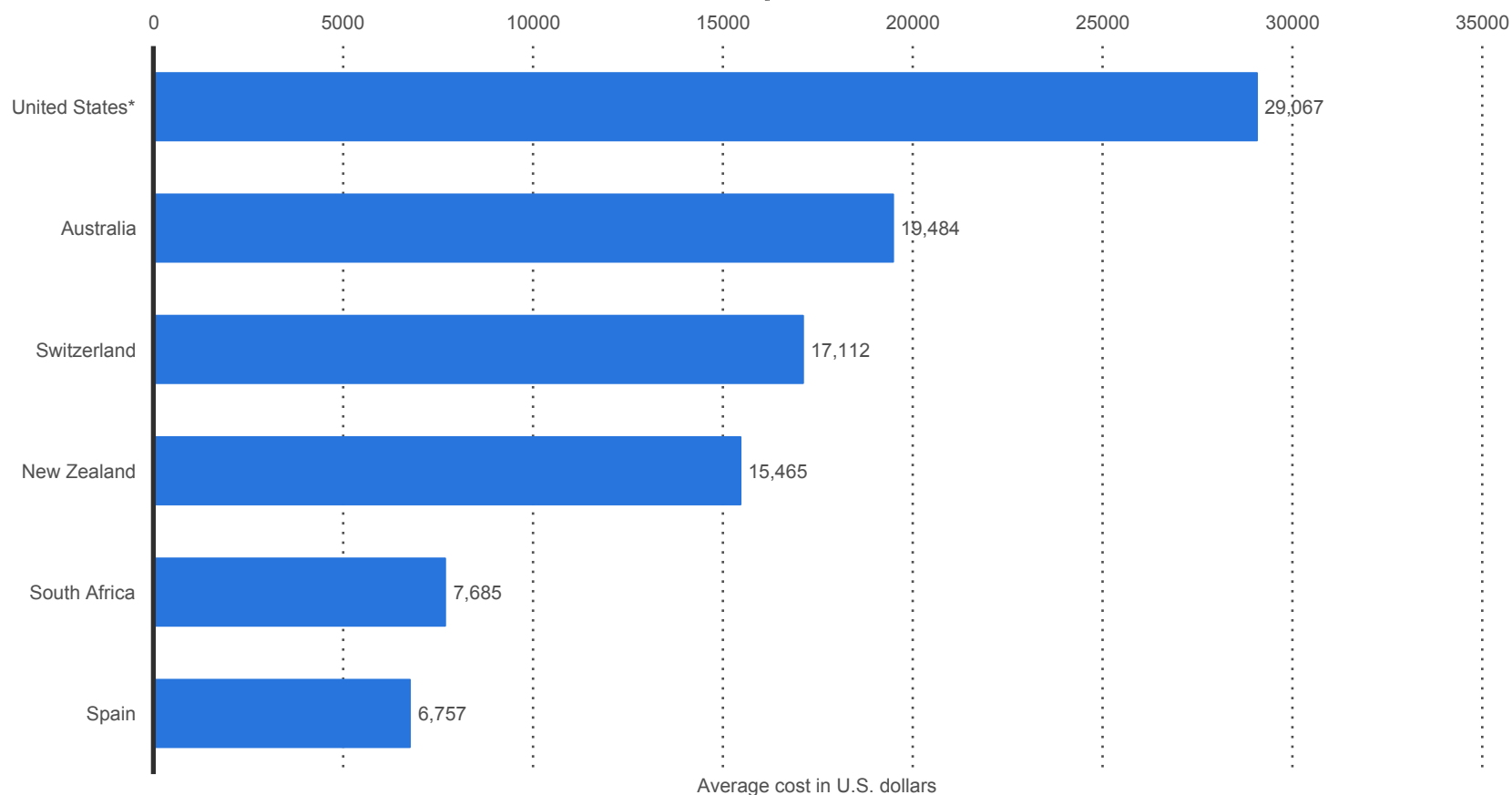
Further information regarding this statistic can be found on [page 77](#).

Source: IFHP; HCCI [ID 312020](#)



Average cost of hospital and physicians for hip replacements by country 2014

## Average hospital and physician costs for hip replacements in selected countries in 2014 (in U.S. dollars)



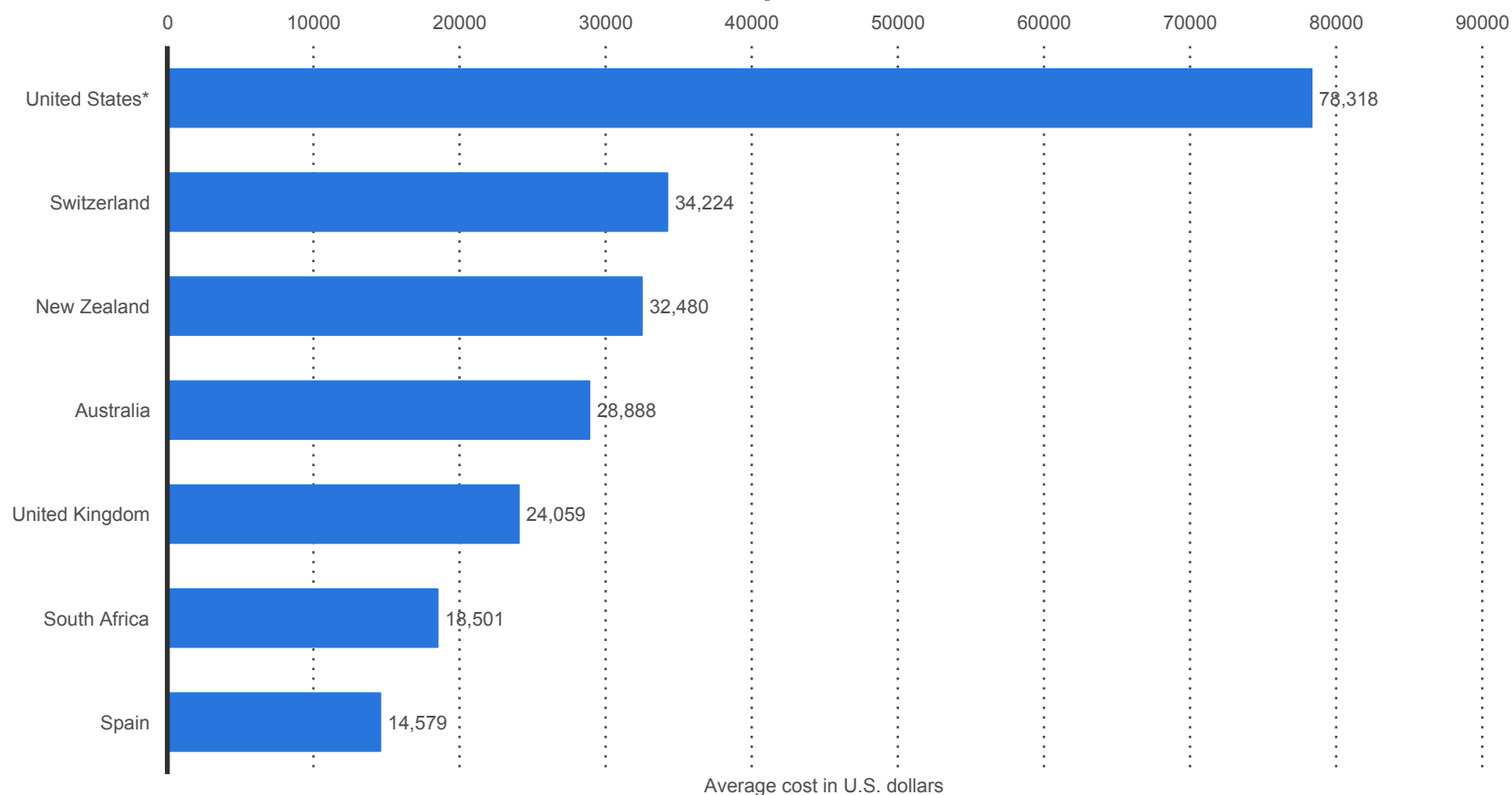
Note: Worldwide

Further information regarding this statistic can be found on [page 78](#).

Source: IFHP; HCCI [ID.312247](#)

Average cost of hospital and physicians for bypass surgery by country 2014

## Average hospital and physician costs for a bypass surgery in selected countries in 2014 (in U.S. dollars)



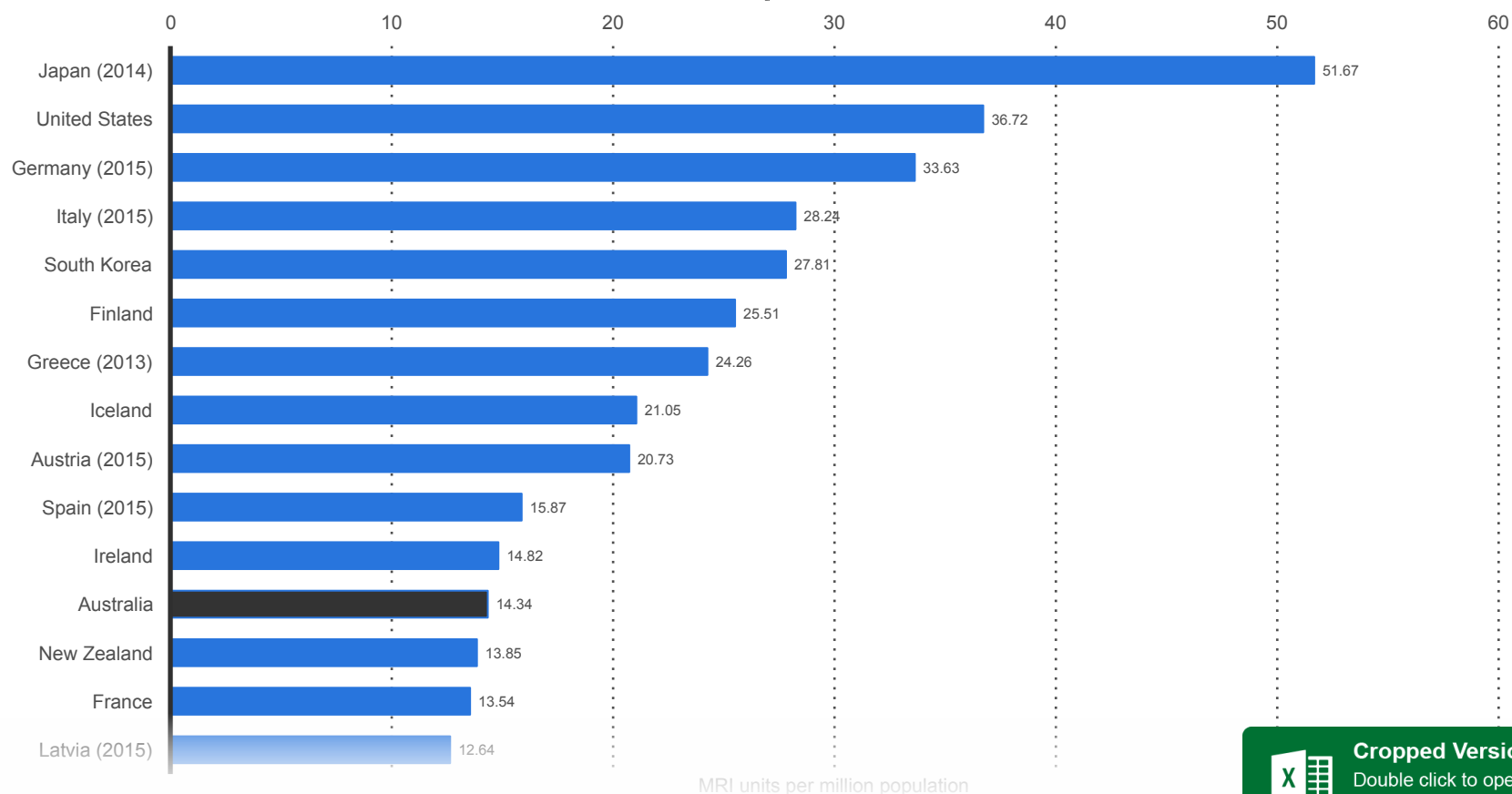
Note: Worldwide

Further information regarding this statistic can be found on [page 79](#).

Source: IFHP [ID 312250](#)

MRI units per million: by country 2016

## Number of magnetic resonance imaging (MRI) units in selected countries as of 2016 (per million population)



**Cropped Version**

Double click to open excel file with complete data

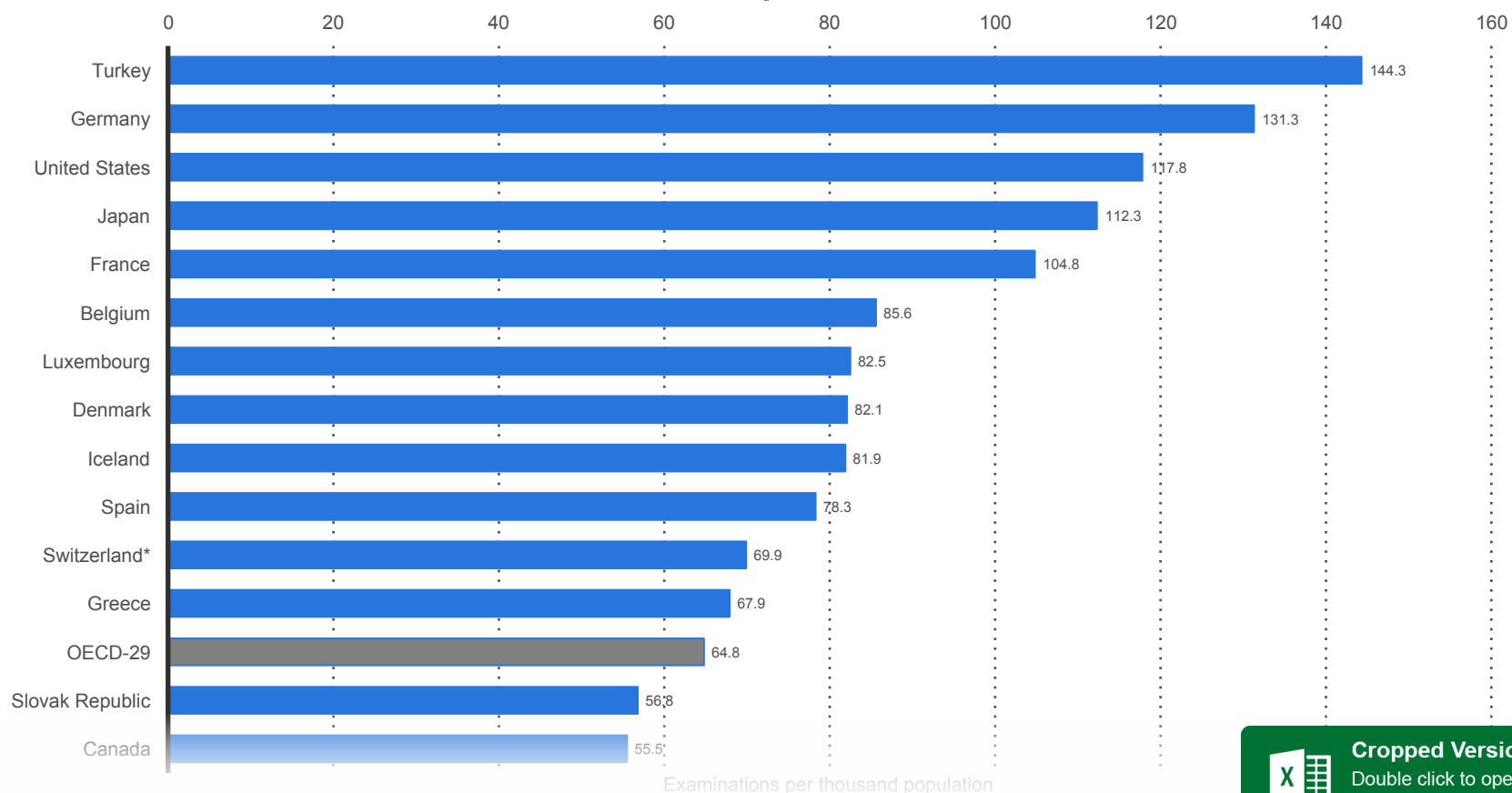
Note: OECD; 2013 to 2016

Further information regarding this statistic can be found on [page 80](#).

Source: OECD [ID\\_282401](#)

MRI scanner - number of examinations in selected countries 2015

## Number of examinations with magnetic resonance imaging (MRI) in selected countries as of 2015 (per 1,000 population)\*



**Cropped Version**

Double click to open excel file with complete data

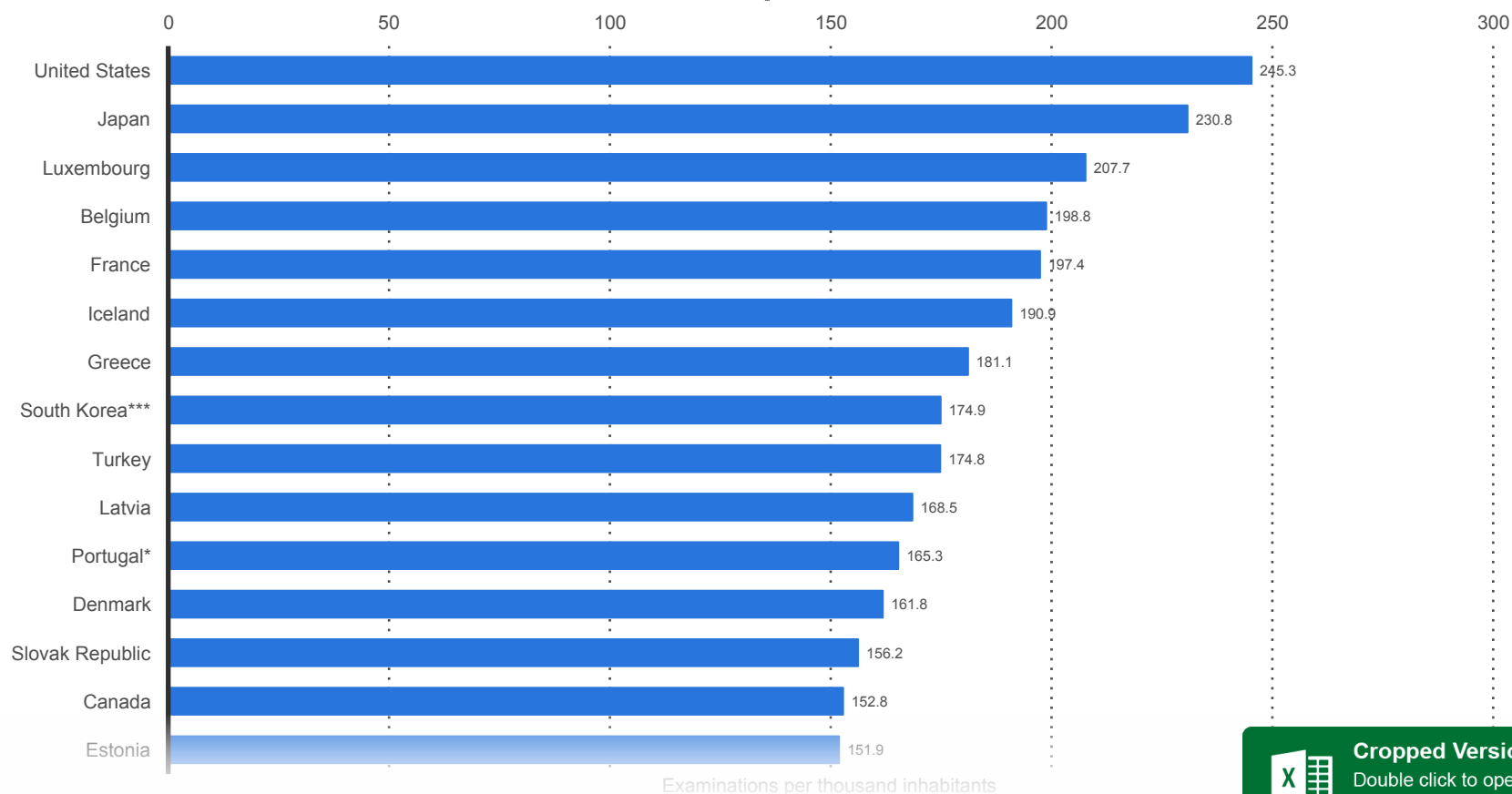
Note: Worldwide

Further information regarding this statistic can be found on [page 81](#).

Source: OECD [ID 271470](#)

Computer tomography (CT) - number of examinations in selected countries 2015

## Number of examinations with computer tomography (CT) in selected countries as of 2015 (per 1,000 inhabitants)\*



### Cropped Version

Double click to open excel file with complete data

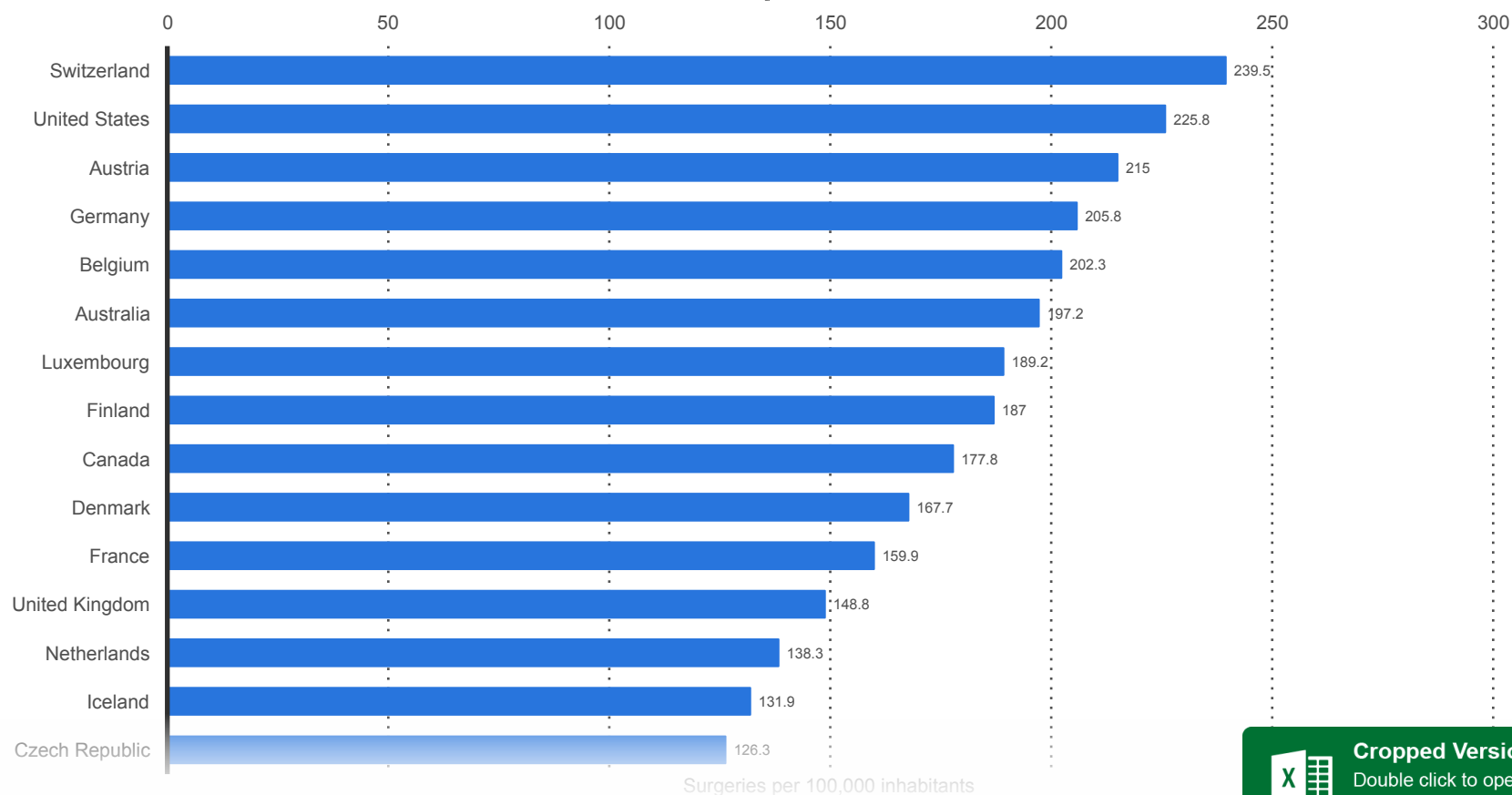
Note: OECD

Further information regarding this statistic can be found on [page 82](#).

Source: OECD [ID 283085](#)

Number of knee replacements in OECD-countries 2015

## Number of knee replacement surgeries in OECD-countries as of 2015 (per 100,000 inhabitants)\*



### Cropped Version

Double click to open excel file with complete data

Note: Worldwide

Further information regarding this statistic can be found on [page 83](#).

Source: OECD [ID 236586](#)

Medical technology industry

## **References**

Total medtech revenue worldwide 2009-2022

## Total global medical technology revenue from 2009 to 2022 (in billion U.S. dollars)

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2009 to 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 14

Website URL [visit the website](#)

### Notes:

Statistic is based on the top 300 medtech companies. Sales to 2016 based on company reported sales data. Sales forecasts to 2022 based on a consensus of leading equity analysts' estimates for segmental sales. \* Forecast.



Total medtech growth per year worldwide 2010-2022

## Total global medical technology growth per year from 2010 to 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2010 to 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 15

Website URL [visit the website](#)

### Notes:

Sales to 2016 based on company reported sales data. Sales forecasts to 2022 based on a consensus of leading equity analysts' estimates for segmental sales. \* Forecast.

Expenditure on research and development in global medtech 2009-2022

## Worldwide research and development spending in medical technology from 2009 to 2022 (in billion U.S. dollars)

### Source and methodology information

Source	Evaluate
Conducted by	Evaluate (EvaluateMedTech)
Survey period	2009 to 2017
Region	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Evaluate
Publication date	September 2017
Original source	EvaluateMedTech - World Preview 2017, Outlook to 2022, page 16
Website URL	<a href="#">visit the website</a>

### Notes:

Statistic is based on the top 300 medtech companies. R&D spend in 2016 based on company reported data. Forecast medtech R&D spend based on a consensus of leading equity analysts` estimates for company level R&D spend, extrapolated to medtech R&D when a company has non-medtech R&D activity. Medtech R&D is not disclosed by a number of companies and this analysis is limited to those companies with sufficient disclosure. \* Forecast.

R&D spending as percent of medtech revenue worldwide 2009-2022

## Worldwide medtech research and development spending as percent of medtech revenue from 2009 to 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2009 to 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 16

Website URL [visit the website](#)

### Notes:

Statistic is based on the top 300 medtech companies. R&D spend in 2016 based on company reported data. Forecast medtech R&D spend based on a consensus of leading equity analysts` estimates for company level R&D spend, extrapolated to medtech R&D when a company has non-medtech R&D activity. Medtech R&D is not disclosed by a number of companies and this analysis is limited to those companies with sufficient disclosure. \* Forecast.

Growth rate in research and development spending in global medtech 2010-2022

## Worldwide research and development spending growth rate in medical technology from 2010 to 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2010 to 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 16

Website URL [visit the website](#)

### Notes:

Statistic is based on the top 300 medtech companies. R&D spend in 2016 based on company reported data. Forecast medtech R&D spend based on a consensus of leading equity analysts` estimates for company level R&D spend, extrapolated to medtech R&D when a company has non-medtech R&D activity. Medtech R&D is not disclosed by a number of companies and this analysis is limited to those companies with sufficient disclosure. \* From 2017 on projected.

U.S. and European medical technology companies - total revenues 2009-2016

## Total revenues of U.S. and European medical technology companies from 2009 to 2016 (in billion U.S. dollars)

### Source and methodology information

Source EY; Various sources (Company data); Capital IQ

Conducted by EY; Capital IQ; Various sources (Company data)

Survey period 2009 to 2016

Region Europe; United States

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date September 2017

Original source EY - Medical technology report 2017, page 42 and 46

Website URL [visit the website](#)

### Notes:

Including data for public conglomerates and pure-play companies. \* Figures were taken from previous reports.

Number of medtech companies worldwide 2013-2015, by revenue range

## Number of top medtech companies worldwide from 2013 to 2015, by revenue size\*

### Source and methodology information

Source EY; Various sources (Company data); Capital IQ

Conducted by EY; Capital IQ; Various sources (Company data)

Survey period 2013 to 2015

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date October 2016

Original source EY - Medical technology report 2016, page 22

Website URL [visit the website](#)

### Notes:

\* This statistic includes only European and U.S. companies, which represent the vast majority of global top medtech companies (commercial leaders). Commercial leaders are pure-play companies with revenues in excess of US\$1 billion.

Medical technology - top 10 companies based on revenue 2016

## Top 10 medical technology companies worldwide based on revenue in 2016 (in billion U.S. dollars)

### Source and methodology information

Source	ProClinical
Conducted by	Various sources (company data); ProClinical
Survey period	2016
Region	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	ProClinical
Publication date	July 2017
Original source	proclinical.com
Website URL	<a href="#">visit the website</a>

### Notes:

*n.a.*

Revenue of Johnson & Johnson's medical devices and diagnostics by franchise 2011-2016

## Revenue of Johnson & Johnson's medical devices and diagnostics segment from 2011 to 2016, by franchise (in million U.S. dollars)

### Source and methodology information

### Notes:

n.a.

Source Johnson & Johnson

Conducted by Johnson & Johnson

Survey period 2011 to 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Johnson & Johnson

Publication date February 2017

Original source Johnson & Johnson - Form 10-K 2016, page 20

Website URL [visit the website](#)



Medtronic's total revenue 2006-2017

## Medtronic's total revenue from 2006 to 2017 (in million U.S. dollars)

### Source and methodology information

Source	Medtronic
Conducted by	Medtronic
Survey period	fiscal years 2006 to 2017
Region	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Medtronic
Publication date	June 2017
Original source	Medtronic - 2017 Form 10-K, page 38
Website URL	<a href="#">visit the website</a>

### Notes:

All figures are for the fiscal year ending on the last Friday in April. This statistic was assembled from several Medtronic annual reports.

General Electric revenue in the Healthcare segment 2008-2016

## Revenue of General Electric Healthcare from 2008 to 2016 (in billion U.S. dollars)

### Source and methodology information

Source General Electric

Conducted by General Electric

Survey period 2008 to 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by General Electric

Publication date February 2017

Original source General Electric 2016 Annual Report on Form 10-K, page 35

Website URL [visit the website](#)

### Notes:

Figures prior to 2012 were added from older annual reports.

Revenue of Fresenius 2008-2016

## Revenue of the Fresenius Group from 2008 to 2016 (in billion euros)

### Source and methodology information

Source Fresenius

Conducted by Fresenius

Survey period 2008 to 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Fresenius

Publication date March 2017

Original source Fresenius - 2016 Annual Report, page 101

Website URL [visit the website](#)

### Notes:

All figures are rounded. Figures prior to 2015 are taken from previous editions.

Medical technology revenue of Siemens 2004-2017

# Medical technology revenue of Siemens AG from 2004 to 2017 (in billion euros)\*

## Source and methodology information

Source Siemens

Conducted by Siemens

Survey period 2004 to 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Siemens

Publication date November 2017

Original source Siemens - Earnings Release Q4 FY 2017, page xv

Website URL [visit the website](#)

## Notes:

\* Revenue of Siemens Healthcare for years ended on September 30. This statistic was assembled from several annual reports.

Market capitalization growth of top large medtech companies worldwide 2016

## Top large medical technology companies based on market capitalization growth in 2016 (in billion U.S. dollars)\*

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate; EP Vantage

Publication date February 2017

Original source EP Vantage - Medtech 2016 in Review, page 6

Website URL [visit the website](#)

### Notes:

\* Companies with market cap larger than 10 billion U.S. dollars. Growth based on share price change.

Market capitalization growth of small medtech companies worldwide 2016

## Top smaller medical technology companies worldwide based on market capitalization growth in 2016\*

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate; EP Vantage

Publication date February 2017

Original source EP Vantage - Medtech 2016 in Review, page 7

Website URL [visit the website](#)

### Notes:

\* Companies with market cap smaller than 10 billion U.S. dollars. Growth based on share price change.

Predicted top medical technology companies by revenue 2022

## Projected top 10 companies by medical technology revenue in 2022 (in billion U.S. dollars)

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 12

Website URL [visit the website](#)

### Notes:

All figures are forecasts. Statistic is based on the top 300 medtech companies. Sales in 2016 based on company reported data. Sales forecasts to 2022 based on a consensus of leading equity analysts' estimates for segmental sales.

Global medical technology R&D spending share in top companies 2016 and 2022

## Leading global medtech companies by R&D spending as a percentage of revenue in 2016 and 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 17-18

Website URL [visit the website](#)

### Notes:

Analysis is based on the top 300 medtech companies. R&D spend in 2016 based on company reported data. Forecast medtech R&D spend based on a consensus of leading equity analysts' estimates for company level R&D spend, extrapolated to medtech R&D when a company has non-medtech R&D activity. Medtech R&D is not disclosed by a number of companies and this analysis is limited to those companies with sufficient disclosure. \* Forecast.



Global medtech market share by segment 2016 and 2022

# Top global medical technology segments by market share in 2016 and 2022

## Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 9

Website URL [visit the website](#)

## Notes:

Figures are based on the top 300 medtech companies. Sales forecasts to 2022 based on a consensus of leading equity analysts' estimates for segmental sales. \* Forecast.

Global in vitro diagnostics market share by top medtech companies 2016 and 2022

## Global top 10 companies based on in vitro diagnostics market share in 2016 and 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 25

Website URL [visit the website](#)

### Notes:

Market share based on revenues. Excludes glucose test systems which are included in diabetic care classification. \* Projected.

Global cardiology market share by top 10 medtech companies 2016 and 2022

## Global top 10 companies based on cardiologic medical technology market share in 2016 and 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 26

Website URL [visit the website](#)

### Notes:

General Electric & Philips do not disclose cardiology sales. Revenues for St. Jude Medical are included in Abbott's 2022 forecast but not in the 2016 reported sales. Abbott completed the acquisition of St. Jude Medical on 4 January 2017. St. Jude Medical was estimated to have cardiology sales of \$5.5bn in 2016. \* Projected.

Global diagnostic imaging market shares of top medtech companies 2016 and 2022

## Global top 10 companies based on diagnostic imaging market share in 2016 and 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 27

Website URL [visit the website](#)

### Notes:

Market share based on revenues. Segment sales include servicing of equipment. \* Projected.

Global orthopedics market share - top medtech companies 2016 and 2022

## Global top 10 companies based on orthopedic medical technology market share in 2016 and 2022

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period as of September 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate

Publication date September 2017

Original source EvaluateMedTech - World Preview 2017, Outlook to 2022, page 28

Website URL [visit the website](#)

### Notes:

Market share based on revenues. \* Projected.

Global ophthalmics market share of top medtech companies 2016-2022

## Global top 10 companies based on ophthalmic medtech market share in 2016 and 2022

### Source and methodology information

### Notes:

\* Projected.

Source	Evaluate
Conducted by	Evaluate (EvaluateMedTech)
Survey period	as of September 2017
Region	Worldwide
Number of respondents	<i>n.a.</i>
Age group	<i>n.a.</i>
Special characteristics	<i>n.a.</i>
Published by	Evaluate
Publication date	September 2017
Original source	EvaluateMedTech - World Preview 2017, Outlook to 2022, page 29
Website URL	<a href="#">visit the website</a>

Medtech IPOs before and after the financial crisis as of 2017

## Number of medtech IPOs before and after the financial crisis as of 2017

### Source and methodology information

Source EY; Dow Jones; Capital IQ; BioCentury

Conducted by EY; Capital IQ; Dow Jones (VentureSource); BioCentury

Survey period 2005 to 2017

Region United States

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date September 2017

Original source EY - Medical technology report 2017, page 58

Website URL [visit the website](#)

### Notes:

Data are assembled from EY's 2013-2017 medtech reports.

Selected major medtech IPOs in the U.S. and Europe by proceeds 2016-2017

## Selected major medtech IPOs in the United States and Europe in 2016-2017, by proceeds (in million U.S. dollars)

### Source and methodology information

### Notes:

n.a.

Source EY; Dow Jones; Capital IQ; BioCentury

Conducted by EY; Dow Jones (VentureSource); Capital IQ; BioCentury

Survey period July 2016 to June 2017

Region Europe; United States

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date September 2017

Original source EY - Medical technology report 2017, page 59

Website URL [visit the website](#)



Number of M&A deals in medical technology worldwide 2007-2016

## Number of merger and acquisition deals in the medical technology industry worldwide from 2007 to 2016

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2007 to 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate; EP Vantage

Publication date February 2017

Original source EP Vantage - Medtech 2016 in Review, page 3

Website URL [visit the website](#)

### Notes:

Data based on closing date of deal.

Value of M&A medical technology company deals worldwide 2007-2016

## Value of merger and acquisition deals in the medical technology industry worldwide from 2007 to 2016 (in billion U.S. dollars)

### Source and methodology information

Source Evaluate

Conducted by Evaluate (EvaluateMedTech)

Survey period 2007 to 2016

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by Evaluate; EP Vantage

Publication date February 2017

Original source EP Vantage - Medtech 2016 in Review, page 3

Website URL [visit the website](#)

### Notes:

Data based on closing date of deal. All values are rounded.

Top medtech mergers and acquisitions by value 2016-2017

## Selected top medtech mergers and acquisitions worldwide in 2016-2017, by value (in billion U.S. dollars)

### Source and methodology information

Source EY; Thomson Reuters (Thomson One); Capital IQ

Conducted by EY; Capital IQ; Thomson Reuters (Thomson One)

Survey period July 2016 to June 2017

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date September 2017

Original source EY - Medical technology report 2017, page 76

Website URL [visit the website](#)

### Notes:

Only selected top M&As are displayed in the graph. \* Announced acquisitions that have not closed as of 30 September 2016.

Medtech venture capital investment - U.S. and Europe 2006-2017

## Medtech venture capital investment in the U.S. and Europe from 2006/2007 to 2016/2017 (in billion U.S. dollars)\*

### Source and methodology information

Source EY; Dow Jones; Capital IQ; BMO Capital Markets

Conducted by EY; BMO Capital Markets; Dow Jones; Capital IQ

Survey period 2006 to 2017

Region Europe; United States

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by EY

Publication date September 2017

Original source EY - Medical technology report 2017, page 53

Website URL [visit the website](#)

### Notes:

\* Financial year July to June. \*\* Figures taken from previous reports.

Average price of a MRI by country 2014

## Average prices of a magnetic resonance imaging (MRI) in selected countries in 2014 (in U.S. dollars)

### Source and methodology information

Source IFHP; HCCI

Conducted by IFHP; HCCI

Survey period 2014

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by IFHP

Publication date July 2016

Original source IFHP - 2015 Comparative Price Report, page 13

Website URL [visit the website](#)

### Notes:

\* 25th percentile: 448 U.S. dollars; 95th percentile: 3,031 U.S. dollars.

Average cost of hospital and physicians for hip replacements by country 2014

## Average hospital and physician costs for hip replacements in selected countries in 2014 (in U.S. dollars)

### Source and methodology information

Source IFHP; HCCI

Conducted by IFHP; HCCI

Survey period 2014

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by IFHP

Publication date July 2016

Original source IFHP - 2015 Comparative Price Report, page 22

Website URL [visit the website](#)

### Notes:

\* 25th percentile: 18,810 U.S. dollars; 95th percentile: 57,225 U.S. dollars.

Average cost of hospital and physicians for bypass surgery by country 2014

## Average hospital and physician costs for a bypass surgery in selected countries in 2014 (in U.S. dollars)

### Source and methodology information

Source IFHP

Conducted by IFHP

Survey period 2014

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by IFHP

Publication date July 2016

Original source IFHP - 2015 Comparative Price Report, page 23

Website URL [visit the website](#)

### Notes:

\* 25th percentile: 50,859 U.S. dollars; 95th percentile: 161,148 U.S. dollars.

MRI units per million: by country 2016

## Number of magnetic resonance imaging (MRI) units in selected countries as of 2016 (per million population)

### Source and methodology information

Source OECD

Conducted by OECD

Survey period 2013 to 2016

Region OECD

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by OECD

Publication date December 2017

Original source [oecd.org](http://oecd.org)

Website URL [visit the website](#)

### Notes:

Data are for 2016 or latest year available (in brackets).



MRI scanner - number of examinations in selected countries 2015

## Number of examinations with magnetic resonance imaging (MRI) in selected countries as of 2015 (per 1,000 population)\*

### Source and methodology information

Source OECD

Conducted by OECD

Survey period as of 2013

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by OECD

Publication date November 2017

Original source OECD - Health at a Glance 2017, page 171

Website URL [visit the website](#)

### Notes:

All values are for 2015 or latest year available. \* Exams outside hospital not included. \*\* Exams on public patients not included: Australia,. \*\*\* Exams privately-funded not included: Netherlands, South Korea.

Computer tomography (CT) - number of examinations in selected countries 2015

## Number of examinations with computer tomography (CT) in selected countries as of 2015 (per 1,000 inhabitants)\*

### Source and methodology information

Source OECD

Conducted by OECD

Survey period 2015

Region OECD

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by OECD

Publication date November 2017

Original source OECD - Health at a Glance 2017, page 171

Website URL [visit the website](#)

### Notes:

All data from 2015 or latest year available. \* Exams outside hospital not included. \*\* Exams performed on public patients not included. \*\*\* Exams privately-funded not included.

Number of knee replacements in OECD-countries 2015

## Number of knee replacement surgeries in OECD-countries as of 2015 (per 100,000 inhabitants)\*

### Source and methodology information

Source OECD

Conducted by OECD

Survey period 2015

Region Worldwide

Number of respondents *n.a.*

Age group *n.a.*

Special characteristics *n.a.*

Published by OECD

Publication date November 2017

Original source OECD - Health at a Glance 2017, page 179

Website URL [visit the website](#)

### Notes:

\* Data from 2015 or latest year available. All numbers are rounded.