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# Healthcare VR/AR Systems: United States

May 2017



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# About This Report

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## Scope & Method

This report forecasts the US market for virtual reality and augmented reality in healthcare for 2017 and 2022 in US dollars. Total demand is segmented by application in terms of:

- surgery
- education and training
- pain management, rehabilitation, and therapy.

To illustrate historical trends, the total market and the various segments are provided for 2012.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

A full outline of report items by page is available in the Table of Contents.

## Sources

*Healthcare VR/AR Systems: United States* (FF40074) is based on [Virtual Reality and Augmented Reality \(VR/AR\) Market in Healthcare](#), published by Kalorama Information. After an extensive review of corporate development programs, demonstration projects, other case studies, and available products, Kalorama Information determined the predominant applications for VR and AR are in surgery, medical education, professional training in healthcare, physical rehabilitation, pain management, and behavioral therapy.

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

# Industry Codes

**Table 4 | Industry Codes Related to Healthcare VR/AR Systems**

<b>NAICS/SCIAN 2007</b>		<b>SIC</b>	
<b>North American Industry Classification System</b>		<b>Standard Industry Codes</b>	
334510	Electromedical and Electrotherapeutic Apparatus Mfg	3841	Surgical and Medical Instruments and Apparatus
339112	Surgical and Medical Instrument Mfg	3842	Orthopedic, Prosthetic, and Surgical Appliances and Supplies
339113	Surgical Appliance and Supplies Mfg	3845	Electromedical and Electrotherapeutic Apparatus
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	5047	Medical, Dental, and Hospital Equipment and Supplies

Source: US Census Bureau

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## Resources

### Kalorama Information

*Virtual Reality and Augmented Reality (VR/AR) Market in Healthcare*, May 2017

### The Freedonia Group

#### Freedonia Industry Studies

*Pharmaceutical Packaging Market in the US*, June 2017

*Medical Implants in the US*, November 2016

*World Medical Disposables*, August 2016

*In Vitro Diagnostic (IVD) Packaging*, June 2016

*Infection Prevention Products & Services*, April 2016

*Medical & Dental Adhesives & Sealants*, March 2016

*Disposable Medical Supplies*, February 2016

*Dental Products & Materials*, January 2016

*Drug Delivery Products*, December 2015

*Medical Imaging Products*, September 2015

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*Modern Healthcare*

### **Agencies & Associations**

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American Medical Association

Association for the Advancement of Medical Instrumentation

Medical Device Manufacturers Association

United States Department of Health & Human Services

World Health Organization