FUTURE OF GLOBAL HEALTHCARE

\$8.7 TRILLION

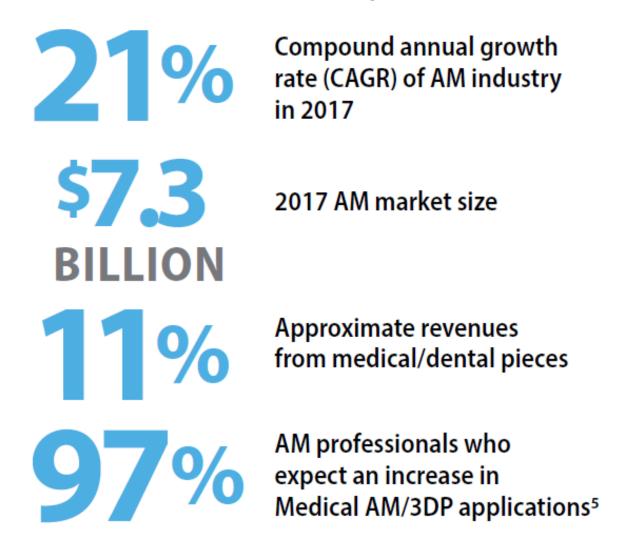


11.5%

Global healthcare spend projected by 2020²

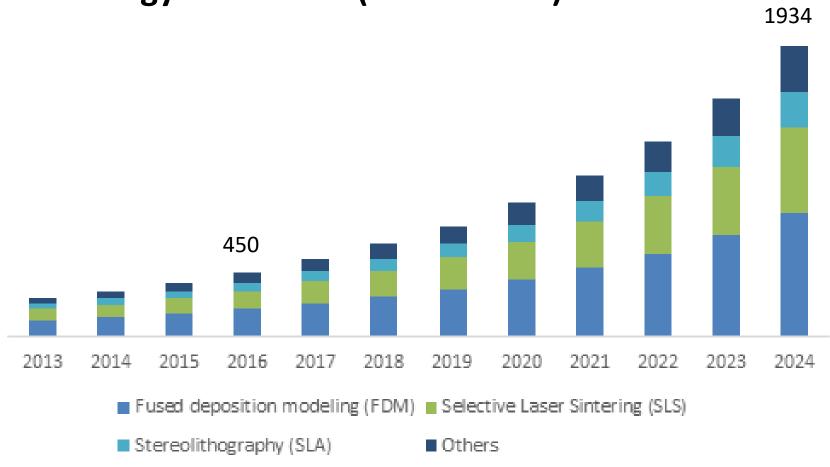
Percent of total population over 65 years of age.³

OVERALL 3D PRINTING/AM GROWTH⁴



Source: Wholers Associates, Inc

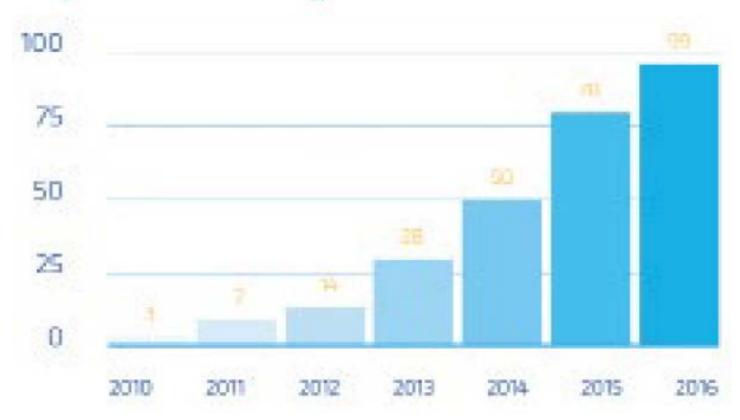
U.S. Healthcare 3D Printing Market Share, By Technology 2013-2024 (USD Million)



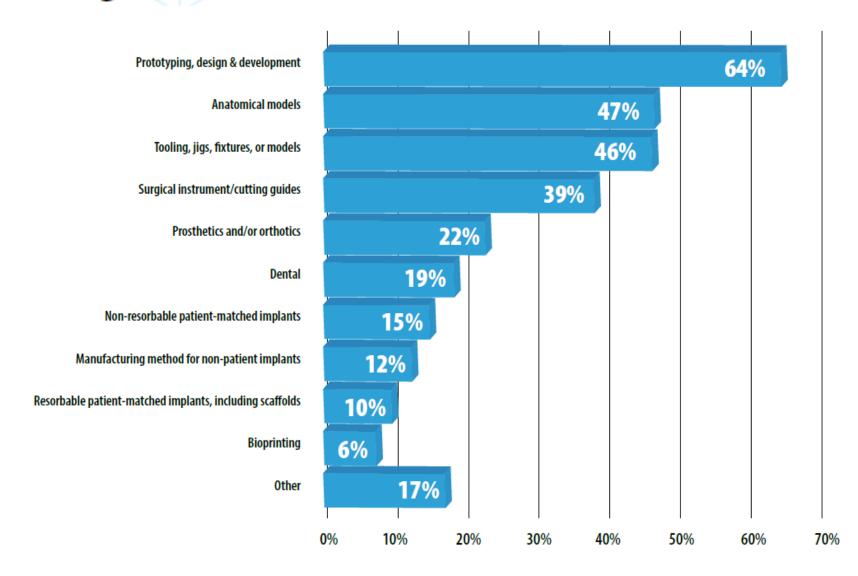
[&]quot;2017 Health Care 3D Printing Market", Global Market Insights

HOSPITALS IN THE US WITH A CENTRALIZED 3D PRINTING FACILITY

Using Materialise Mimics technology

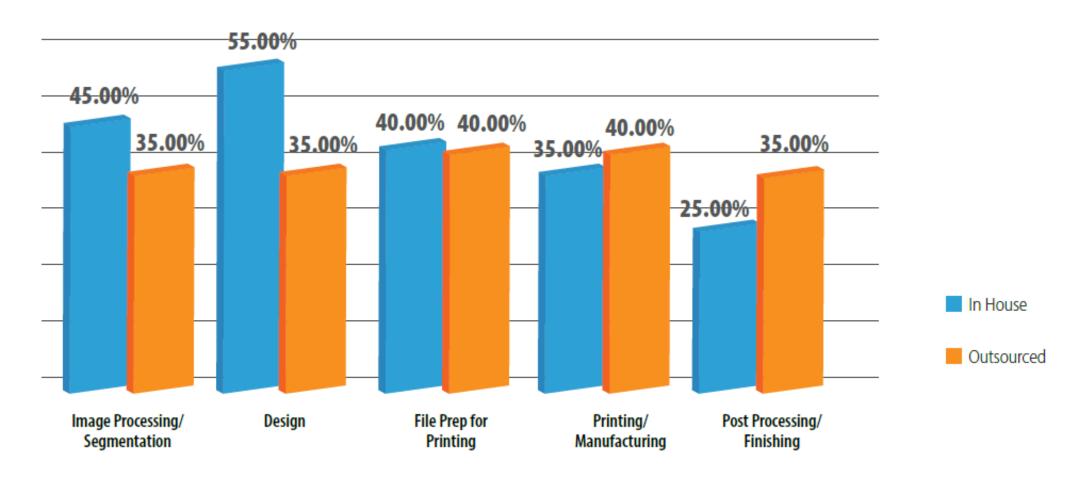


How AM3DP is being used

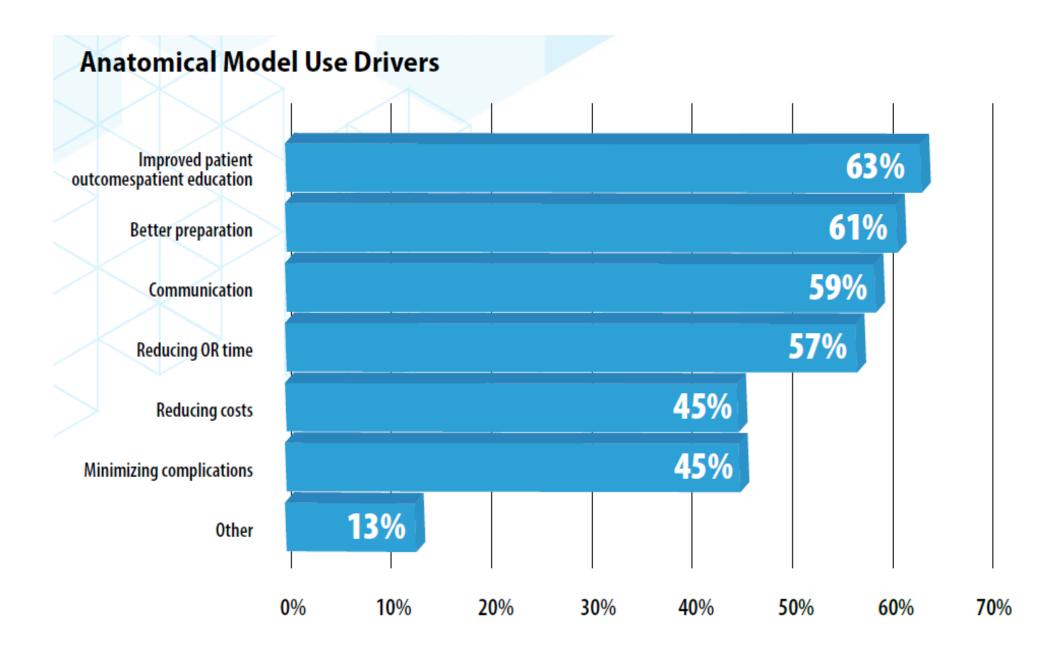


Non-resorbable Patient-matched Implants

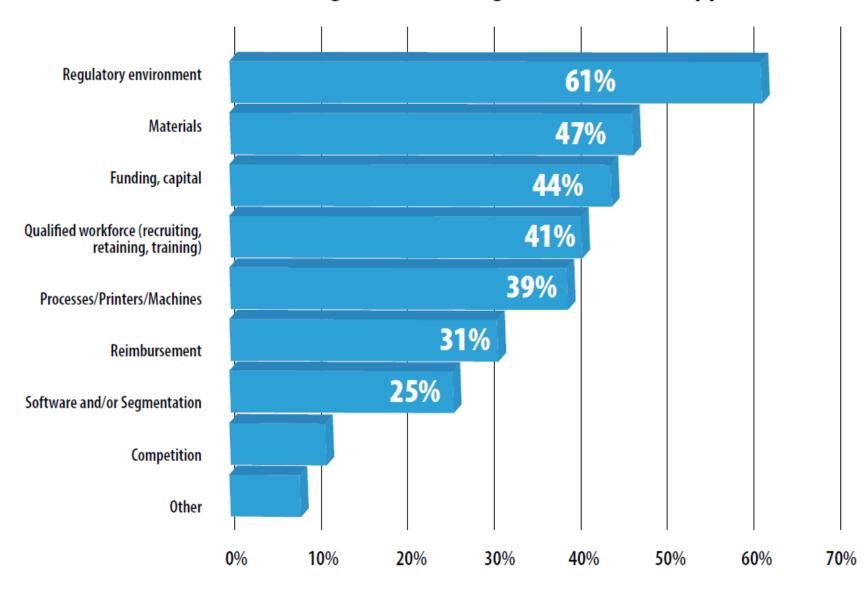
Process Steps



"2018 Medical Additive Manufacturing / 3D Printing Annual Report", sme



Which of These are Challenges to Increasing Medical AM3DP Applications?



Desenvolupaments i recerques a observar en el futur del Medical 3D Printing

- Drug Delivery Systems
- Tissue Fabrication
- Time-release Drug Delivery
- Ceramic Bone Scaffolds
- Anatomical Models Directly from Imaging Software
- Hologram 3D Printing
- 3D Printed Ovaries
- 3D Printed Wound Care and Monitoring
- 3D printed Power Sources for Implant
- 3D Printed Vascular Structures
- Printable Bacteria Inks

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