

A Proposed Regulatory Framework for 3D Printing Implants at Point-of-Care (PoC) Facilities

America's Got Regulatory Science Talent Competition

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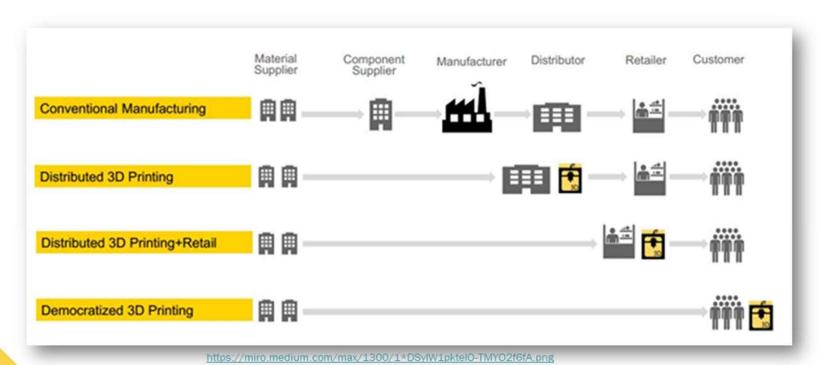
3D Printing is Revolutionizing Healthcare

Patient-Specific implants improve patient outcomes



3D Printing is Revolutionizing Healthcare

Manufacturing & Supply-Chain Flexibility reduces costs



Status of PoC 3D Printing

The technical infrastructure already exists!





The Problem:

A regulatory framework does <u>not</u> exist to ensure safe and effective implants can be manufactured at the point-of-care

FDA Priority Area

- 4. Ensure FDA Readiness to Evaluate Innovative Emerging Technologies
 - 3.Assure safe and effective medical innovation
 - c. Help stimulate the development, standardization, and validation of new techniques to assess safety and effectiveness.



https://www.fda.gov/science-research/advancingregulatory-science/strategic-plan-regulatory-science

