







Creating Healthy Lives—The Future of Medical Innovation

Global Innovation Index (GII) 2019: Creating Healthy Lives – The Future of Health Innovation

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What is the GII 2019 about?

"Creating Healthy Lives – The Future of Medical Innovation"

#1 Are we about to (re-) enter a new "golden age" of medical innovation?

Or are we facing the «end of rapid health innovation»?



#2 ... what obstacles need to be overcome to reach this potential?

- 1. Productivity in healthcare R&D is low
- 2. Innovation diffusion is slow due to complex interactions between actors in the health ecosystem
 - Slow move of medical innovations "from bench to bedside"
- 3. Too much effort still spent fixing rather than preventing health problems in the first place





#3 there are reasons for optimism



1. A resurgence of health R&D

 Health R&D investment has picked up post-2009 financial crisis; reaching US\$177 billion worldwide in 2019

2. Medical technology patents growing faster than pharma patents

Med tech patents in top 5 fastest-growing tech fields since 2016;
PCT filings nearly 2x volume of pharma patents

3. Is a revival of medical research productivity on the horizon?

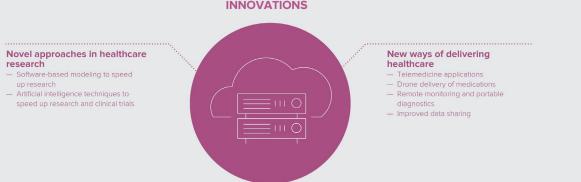
 Trends of new patenting and drugs, process innovations in healthcare delivery and "adapted" use of existing technologies in developing countries



#4 Upcoming breakthroughs in medical and health innovation



ORGANIZATIONAL AND PROCESS INNOVATIONS





#5 ... and what are the opportunities and policy imperatives for health innovation?

Ensuring funding for public sector research

Building functional medical innovation systems: from "bench to bedside"

Establishing/maintaining a skilled health workforce

Focusing innovation on prevention

Advancing skills and science education

Supporting new health data infrastructures and digital health strategies

Improving cost-benefit assessments of medical innovation

Debating risks, social values and the value of life











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https://www.wipo.int/global_innovation_index/en/

www.globalinnovationindex.org

