



Digital health R&I priorities (Government of China)

- Main purpose in short: Sustainable, accessible, and affordable.
- Personalized digital health
 - Build up digital health community which is aimed at people's health and based on digitalized platform (construction of standardized population health information system)
 - Balance the supplementation of medical resources, optimize high-quality medical resources distribution and improve medical service
- Implementation of "Internet+ medical health" and remote medical
 - With the coming of 5G era, remote medical and Internet medical have been booming
 - COVID-19 has highlighted the significance of remote medical and Internet medical



Main challenges related to digital health

- Facilitate collection and management of health data in rural areas
- Enhance technological capabilities in management processing and application of health data
- Address ethical and security issues



Specific challenges for the ageing population

- Develop new elderly care system (the transformation of the ageing support arrangement):
 - Lack of adequate resources
 - Confidence and cultural barrier
 - "Stay at home" strategy
- Develop a "smart pension industry"



Relevant key programmes and funding agencies



Government of China and public players

The Ministry of Science and Technology (MoST)

The National Natural Science Foundation of China (NSFC), National Health Commission (NHC)

The



Most important players and networks in the field



Research players, local governments, and networks in the field of digital health in China work coherently to support digital healthcare in China.

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<ul style="list-style-type: none"> • Widespread adoption of new technologies • Access to high-speed internet increased • Mature market on digital • Improvement of the hospital information systems ▪ Opportunities to exploit patient data for disease prediction and diagnosis ▪ Existence of important networks 	<ul style="list-style-type: none"> • Some inefficiencies in the Healthcare system: lack of resources for elderly, management of the utilisation of the facilities, etc. • Compared with Western countries, the quality of healthcare in China is still lagging behind • Unbalance between urban and rural areas 	<ul style="list-style-type: none"> • Digital tools will help Chinese government's continued effort to address long-standing inefficiencies • Increasingly favourable regulatory environment • Integration of Chinese and Western medicine can better promote the development of digital health 	<ul style="list-style-type: none"> • Cultural barriers regarding the elderly care system • Great challenges to the promotion of digital health in rural areas: medical standards are extremely underdeveloped, the medical system is very imperfect, residents' awareness of health management is weak, and active medical treatment is poor
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Internationalisation S&I collaborations in Health between EU & strategic partner countries

- The most recent EU-China Innovation Cooperation Dialogue held in 2019 launched the development of a joint roadmap for future EU-China collaboration in S&T&I.
- Health research is an area where the EU and China have a lot to gain from closer cooperation. In the newest HORIZON 2020, many grants are set for projects relevant to public health, such as innovative medicines initiative, the plan for recovery from Covid-19, etc.



Good practices and outlook for further international collaboration

- Medical imaging and medical robotics are the two priority fields for Sino-EU collaborations. EU has also a very solid technical and industrial foundation in these two fields. Meanwhile, AI medicine and intelligent manufacturing are rapidly growing in China.

Key sources

More information can be found in the complete report D1.2 - Panorama of the digital health landscape in the EU and in the Strategic Partner Countries

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