

How Will Digital Health Help To Rebuild Ukraine's Health Service?

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HEALTH CARE FACILITIES DESTROYED BY THE RUSSIAN MILITARY

1432 health care infrastructure facilities damaged

190 completely destroyed and cannot be restored

615 pharmacies destroyed and damaged

5 regions with the health care infrastructure most affected: Kyiv, Chernihiv, Donetsk, Mykolaiv and Kharkiv oblasts

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RAPID DAMAGE AND NEEDS ASSESSMENT (RDNA2) RESULTS

Needs = \$16.4 billion

Reconstruction and recovery: building new infrastructure using a Building Back Better approach and immediately recovering partially damaged facilities.

Scale-up of critical health services:

- rehabilitation,
- mental health,
- access to primary care
- health emergency preparedness and response.

Over **\$543 million is urgently needed in 2023** as investments in service delivery and reconstruction.



Ukrainian healthcare system

Then:



Now:

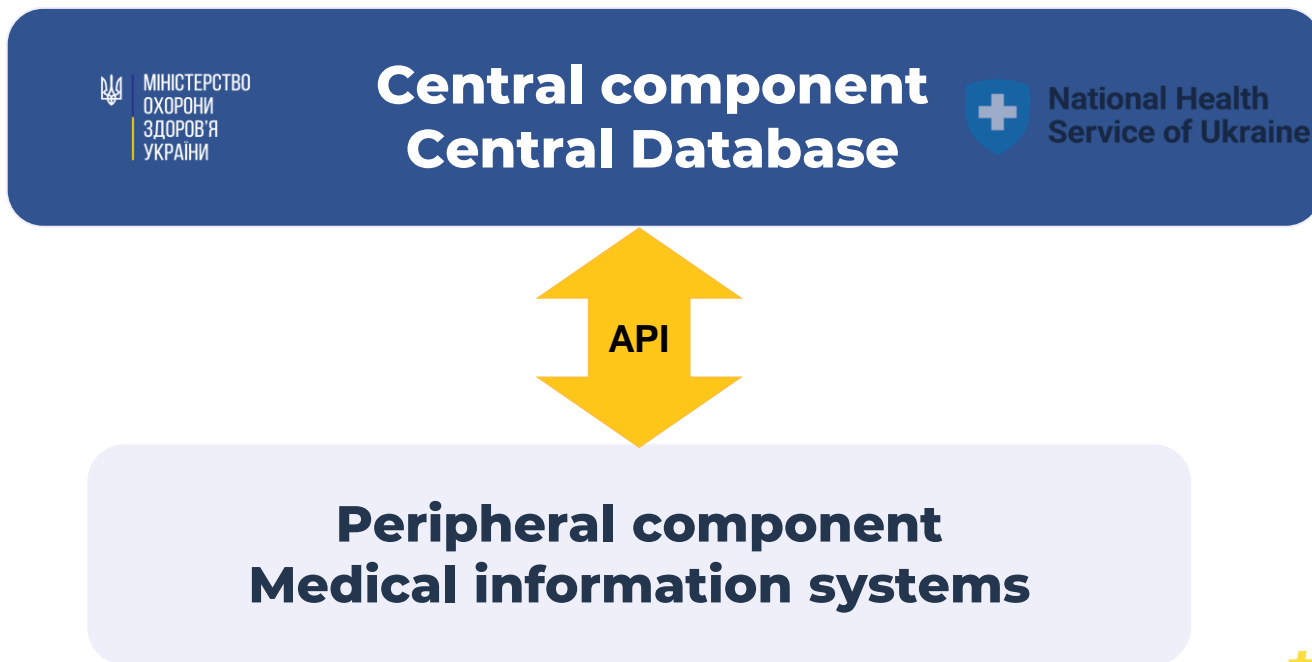


2016 – start of the healthcare reform in Ukraine

by the end of 2018:

- **99%** – state healthcare facilities changed ownership and became communal non-profit enterprises
- **98%** – level of computerization coverage

eHealth in Ukraine has been **operating since 2017**



Our strategy

- creation of a **single medical** information **space**
- **transition from paper** forms to structured electronic medical records
- ensuring **integration into the global** medical information space
- use of **international** medical and information **standards**
- public availability of **aggregated data** on healthcare
- **enabling environment** for the development of clinical decision support systems, personalized medicine, telemedicine, systems for processing big data, artificial intelligence, other fads and buzzwords.

Ukrainian Electronic Healthcare System today includes

35m+

patients registered

2b+

electronic medical records

17k+

medical and pharmaceutical institutions

360m+

electronic referrals

62m+

electronic prescriptions

20m+

medical certificate of temporary incapacity for work

Services **Available now**

- **Registration of primary and specialized health care facilities, their employees**
- **Contracting** of health care facilities
- **Declarations** with patients
- **E-prescription** for “Available Medicines”
- Electronic medical records
- Care plans
- **Electronic referrals** and prescriptions
- E-sick leaves
- **Medical certificates** (including COVID-certificate etc.)
- Neonatal screening
- Rehabilitation component
- **Concealment** of sensitive data
- **Integration** with the E-government application “Dija”), etc.

Some patient services Available now



Declarations with FD



E-prescriptions



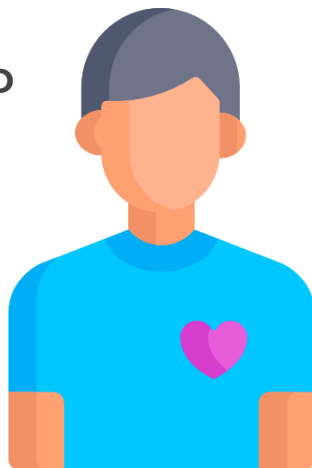
E-sick leaves



Approvals to
medical data



Electronic
referrals



Medical documents
(including COVID-certificate etc)

Ongoing projects in telemedicine (humanitarian support):

Ongoing telemedicine projects (humanitarian support):

1. “Telemedicine consulting platforms on burn injury” by the telemedicine robots
2. “Telemedicine consulting on explosion and gunshot injury” by the telemedicine robots
3. Virtual surgery
4. Video Game Rehabilitation System
5. Telemedical bot “HomeDoctor”
6. Telemedicine for pregnant (cardiotocography platform)



Services **In progress**

- Personal **patient's cabinet**
- **Medical certificate** for drivers
- **Rehabilitation** component 2.0
- **Blood** donation
- **Big Data** analysis platform
- **State register** of medical professionals
- State **registers of medical equipment and devices**





Thank you!