

Two main directions of using computers in medicine

▶ promotion of medical science

improvement of the level of patient care ...



10 concrete examples

7) Medical Databases

1)Medical Imaging

4)Telemedicine

8)Computers and Hospital **Administration**

2)Patient Monitoring

5) Networks and Digital Communication

9) Electronic Health Records

3)Computer-Assisted Surgery

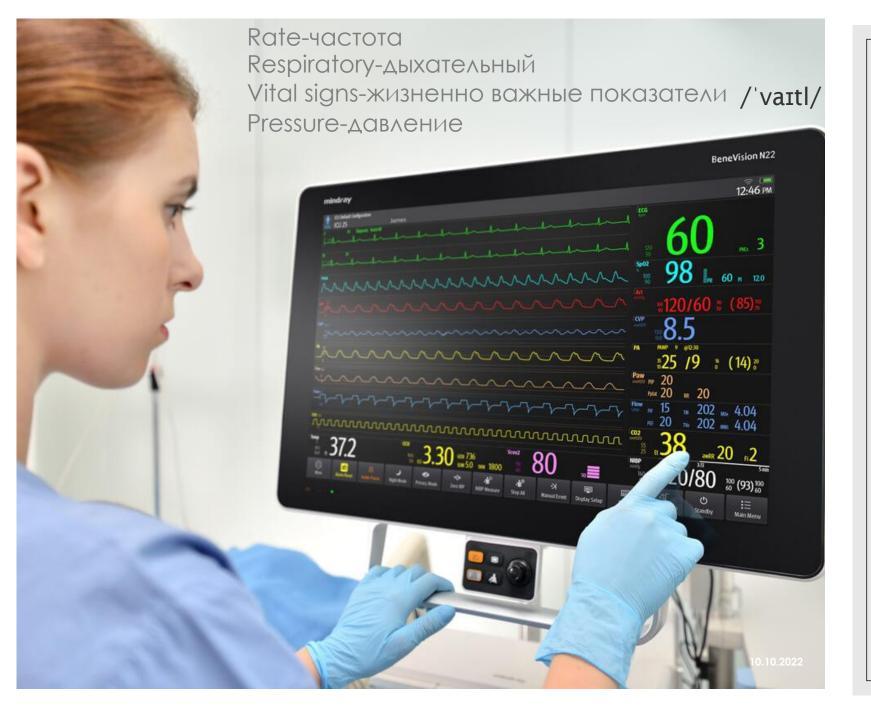
6) Medical Research

10)Uses of Computer in **Offices**



Medical Imaging

- creating images of the human body
- magnetic resonance imaging (MRI)
- Ultrasound
- CT scans
- X-Rays



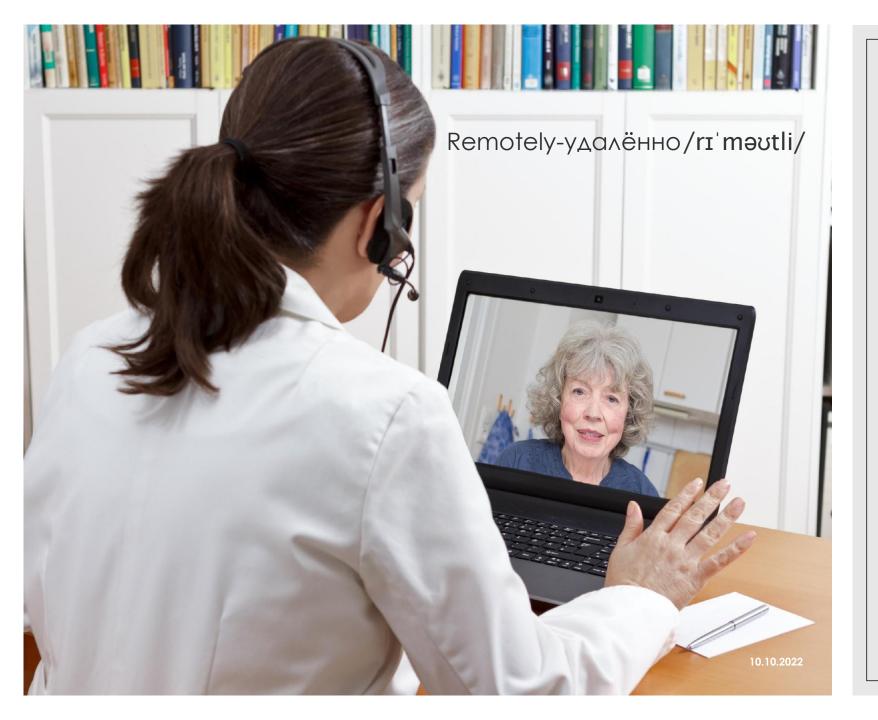
Patient Monitoring

- heart rate, respiratory activity, blood pressure and other critical vital signs to be collected automatically in digital form
- they have the ability to automatically update a patient's chart



Computer-Assi sted Surgery

- planning, teaching and performing many surgical procedures
- robotically-assisted surgery (RAS)
- to complete
 minimally-invasive
 procedures
 (penetration through
 the body's natural
 external barriers)



Telemedicine

- use video chats to visit with patients remotely (house visit)
- useful following natural disasters and in war zones

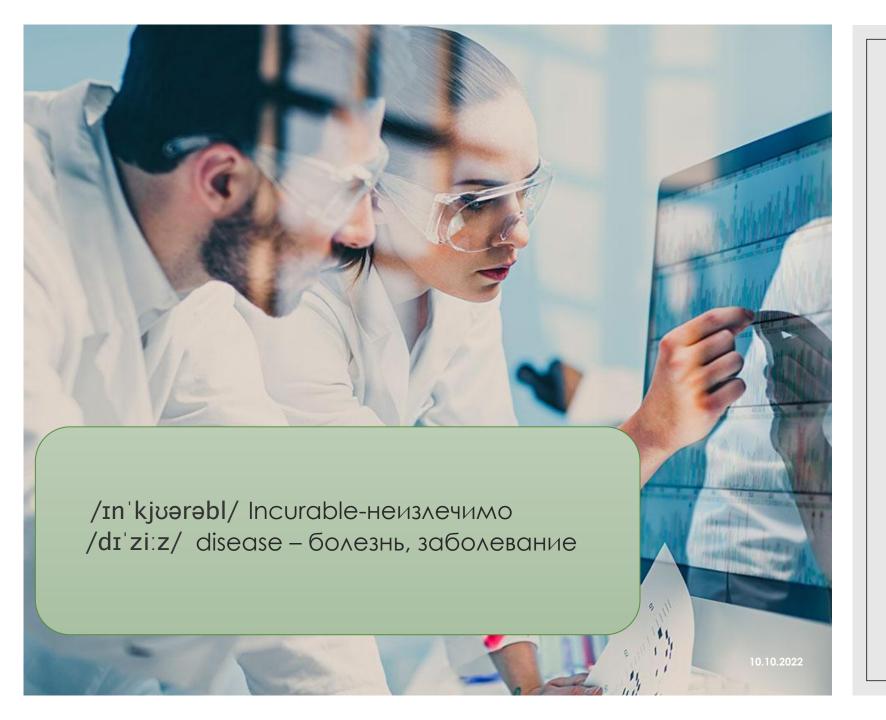
Networks and Digital Communication



1	the ability to consult with colleagues in real time
2	communication between medical professionals with email, instant messaging
3	conducting webinars



/'darəgnəvz/ Diagnose-диагноз



Medical Research

 research of incurable diseases by creating complex computer simulations Medical Databases





• Electronic Health Records



Uses of Computer in Offices



The areas of use of computers in medicine are similar as in other industries

Thanks for your attention! 💆

