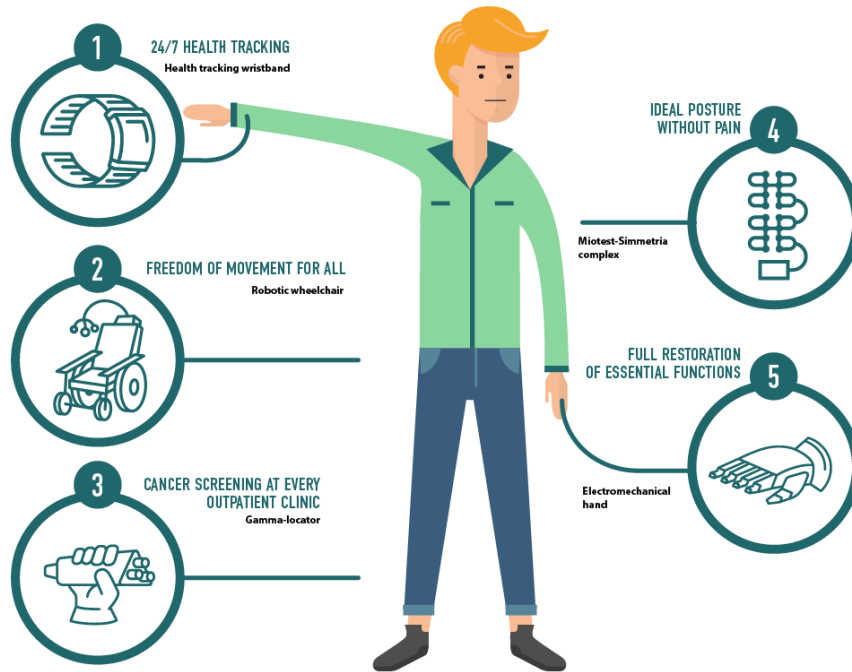


# Health gadgets

How modern technology is changing lives



**1** Replaces

Fitness wristband	Pulsemeter	Blood pressure gauge	Heart activity monitor
Thermobarometer	Skin moisture sensor	Blood oxygen saturation sensor	Thermometer

**2** Replaces

Wheelchair and assistant

Mind-controlled

Voice-controlled

Gesture-controlled

**3** Replaces

Positron emission tomography

50 percent more precise\*

Six times cheaper\*

**4** Replaces

Orthopedic shoes and Posture correctors

Shoe inserts prescribed by doctor

For all types of shoes

**5** Replaces

Fully functional prosthesis

Distinguishes surface types

Permits fine motor skills

Production time - 7 days

50 percent cheaper

\*Based on a comparison with six rival devices. Precision refers to the difference in spatial resolution and spatial selectivity.  
Source: National Research Nuclear University MEPhI