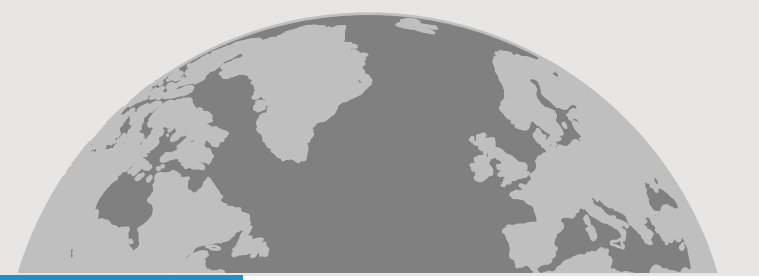# Healthcare Starts With IT

POPULATION HEALTH

Population health tries to understand and improve health for a given population, defined by geography or shared risk.

To understand communities' health and wellness, organizations like the WHO must evaluate

7,043,105,591
PEOPLE IN 193 NATIONS AGAINST 9 CRITERIA

100,000,000
PEOPLE IMPACTED BY NEGLECTED TROPICAL DISEASES

2,600
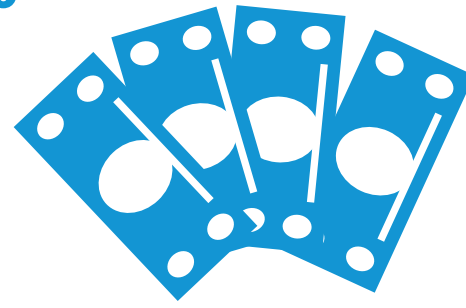PEOPLE WITHOUT ACCESS TO GOOD SANITATION

MODERNIZE CARE

To be more efficient, health care delivery needs to be more integrated across all parts of prevention and treatment instead of acting in silos.

In the US, healthcare spending will increase from

2,6 trillion
2010

4,78 trillion
2021

20%
GDP

30%
The amount of US healthcare wasted in inneficiencies

9%
Healthcare spending in European Union countries

PRECISION MEDICINE

Like personalized medicine, precision medicine defines treatments tailored individually for patients.

By analyzing patients' unique DNA, doctors can identify risk, prevent and pinpoint the best treatment

DNA RESEARCH
20-40%
ANNUAL INCREASE IN MEDICAL IMAGES ARCHIVES

ONE GENOME
800MB

DATA ALSO COME FROM GROUPS LIKE AMERICAN SOCIETY OF CLINICAL ONCOLOGISTS WITH
35,000
GLOBAL MEMBERS REPRESENTING
1,000s
OF PATIENTS

U.S. PRESIDENT OBAMA COMMITED
$215
MILLION TO A PRECISION MEDICINE INITIATIVE

WHY IT MATTERS

Big Data combines and analyzes countless data points, giving real-time and predictive facts so providers can prevent and treat conditions quickly.
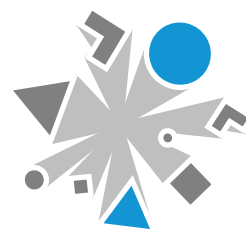
Cloud provides a network to coordinate care amongst healthcare providers, government agencies and NGOs.

Mobile delivers the right info to the right person at the right time in the field, regardless of infrastructure.
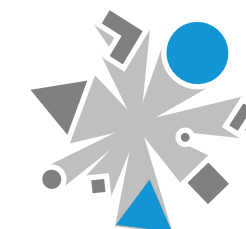
WHY IT MATTERS

Big Data technology breaks down silos, improving oversight, cost effectiveness and health outcomes.

Data visualization lets healthcare providers and administrators easily understand information so they can make fact-based operational and treatment decisions.

WHY IT MATTERS

Big Data lets doctors quickly decide on the best treatment plan using massive amounts of data from DNA tests, clinic trials, patient health records, etc.

Cloud creates virtual networks where data is collectively gathered, shared, and analyzed amongst 1000s of doctors around the world.

Mobile devices monitor patients' behaviors, keeping them on track with personal treatment plans, which often require lifestyle changes.

SAP IMPROVES RURAL HEALTHCARE

Over 7,100 healthcare providers in 88 countries run SAP

SAP Healthcare: A Checkup

DARTMOUTH HOSPITAL AND SAP REDUCE KNEE SURGERIES

7 out of the 10 best hospitals worldwide run SAP

SAP Healthcare: A Checkup

SAP FIGHTS CANCER

SAP HANA helps Charite Berlin Hospital run 1000 times fast tumor analysis

SAP Healthcare: A Checkup

SAP