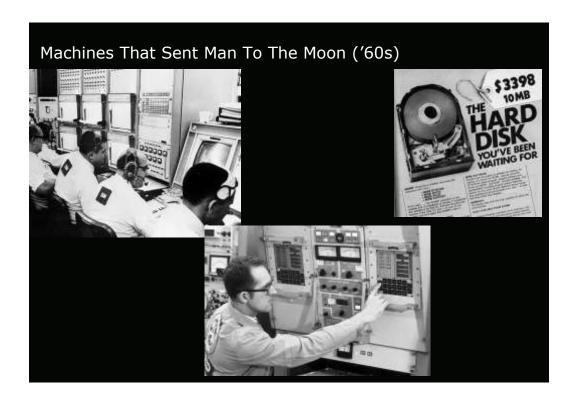
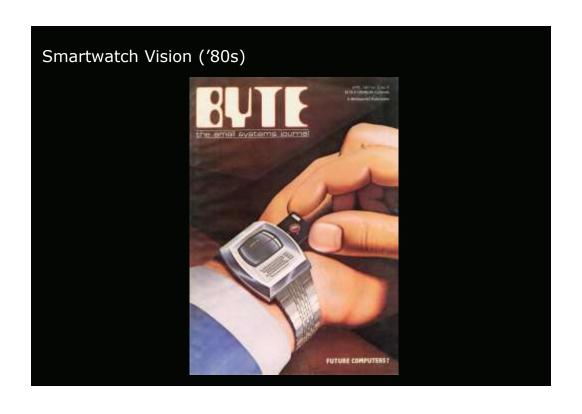


Relevant Financial Relationships NONE Off-Label Investigational Uses NONE

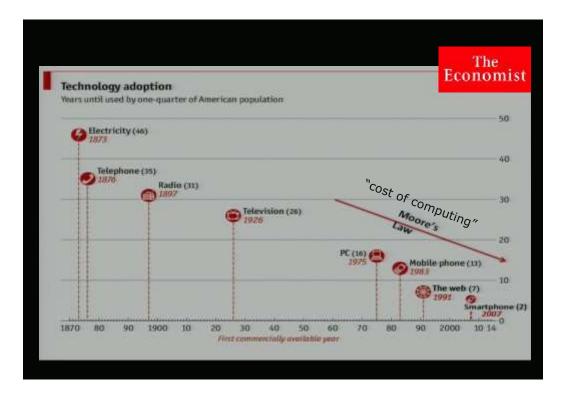


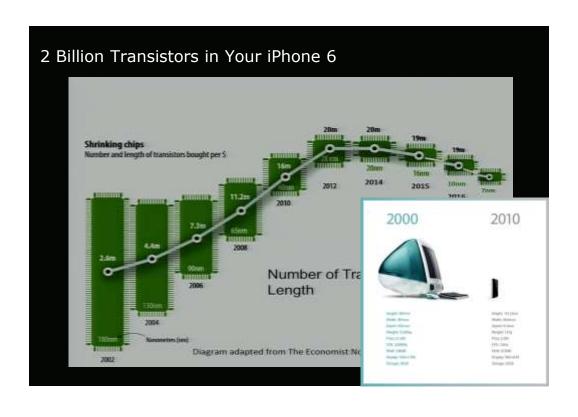


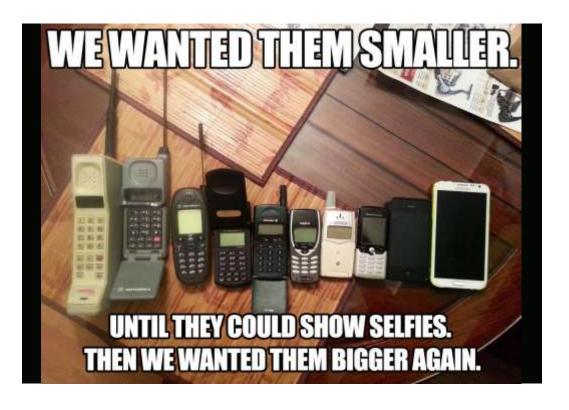






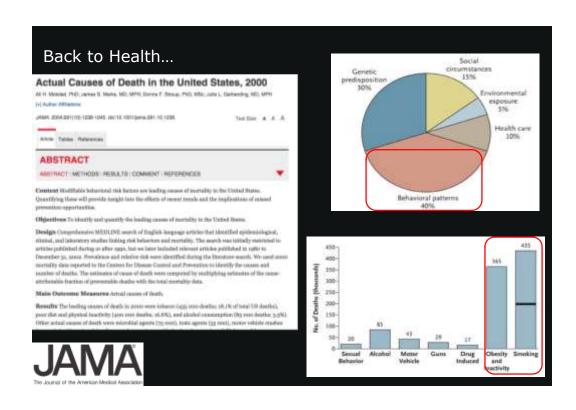




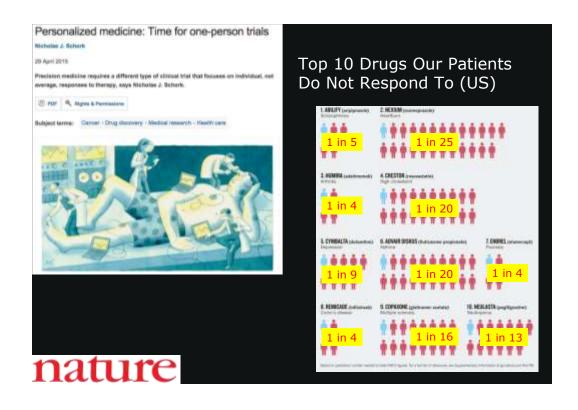


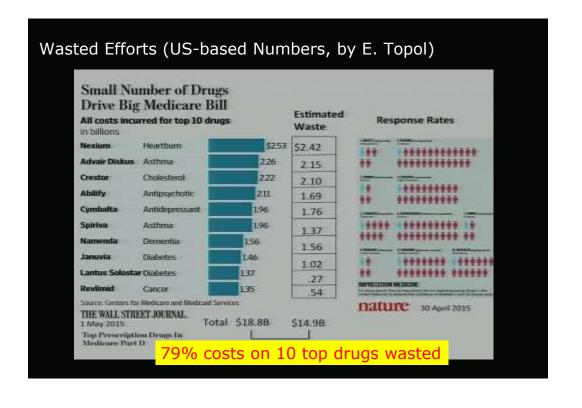






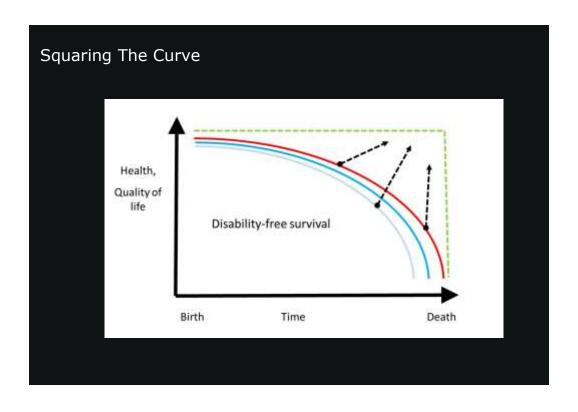
Imprecision medicine =
Population health &
average patient





Imprecision medicine Population, average patient

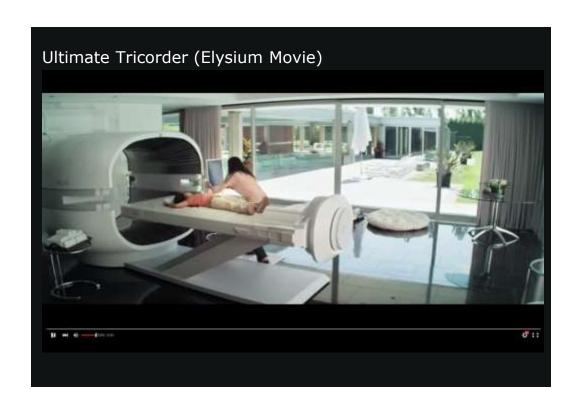












Precision medicine

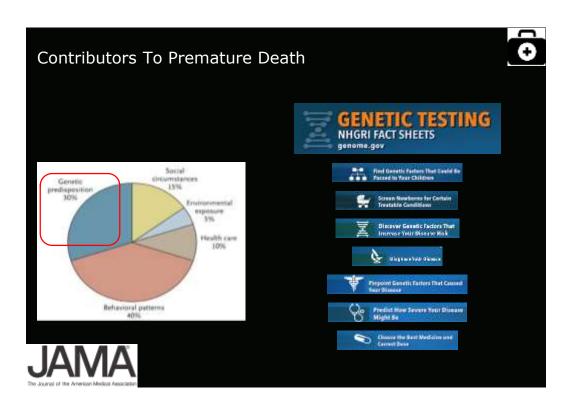
[Personalized, Preventative, Proactive, Participatory]

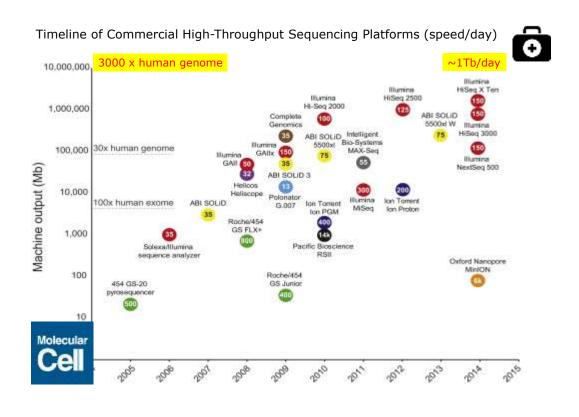
- Average is over: patient_i
- POC is where the patient is
- Toolbox is expanded beyond a stethoscope and a pill
- Approach to health is holistic

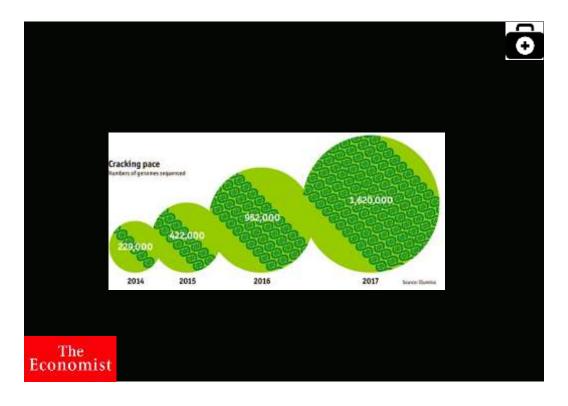


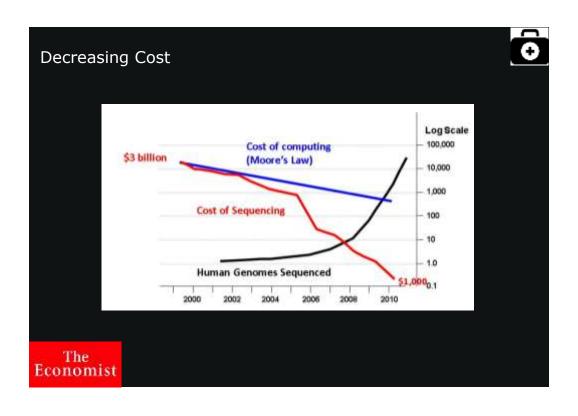




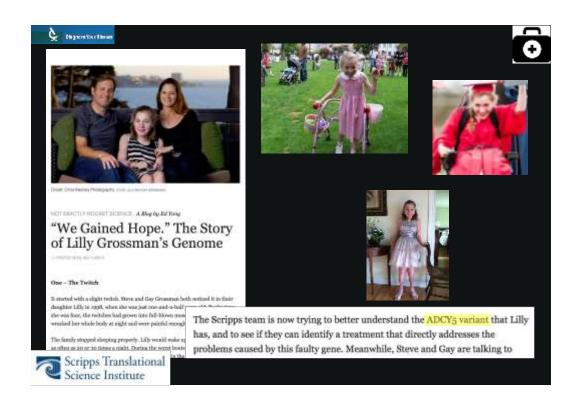


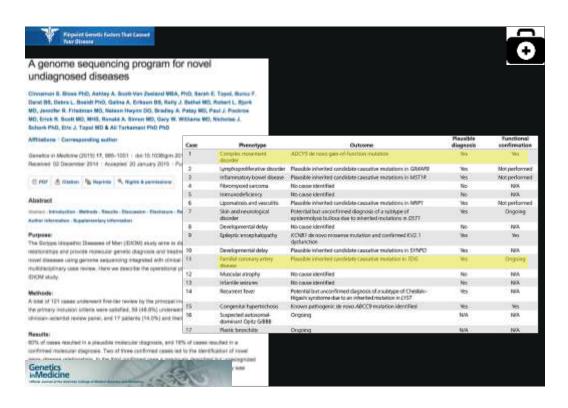


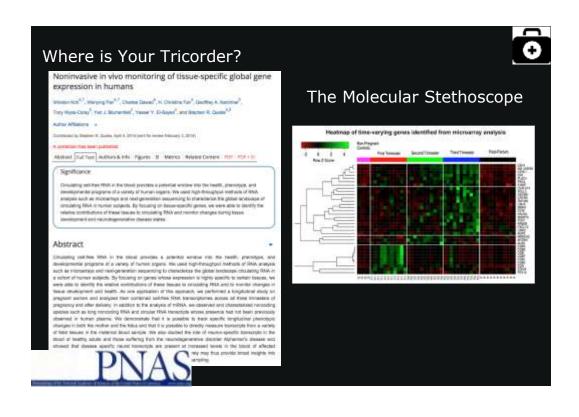


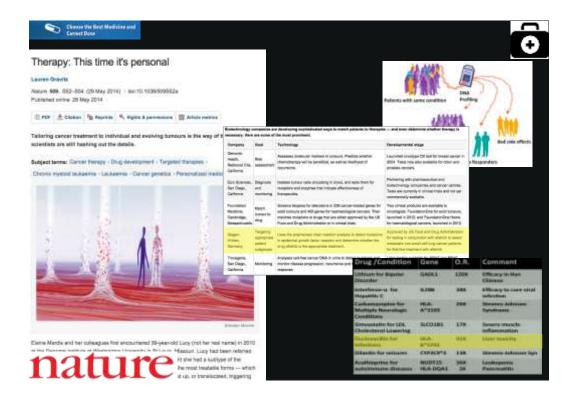






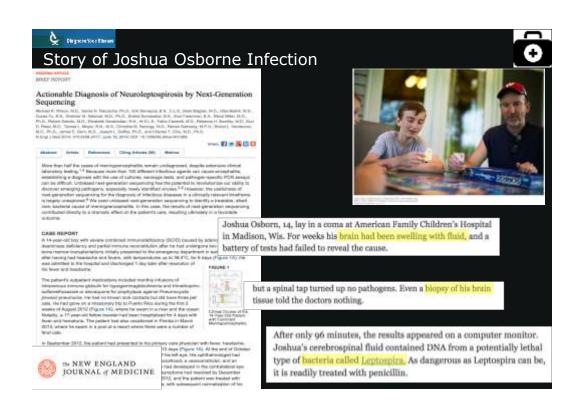






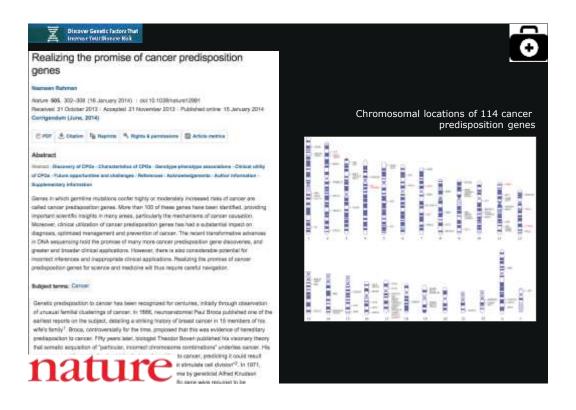


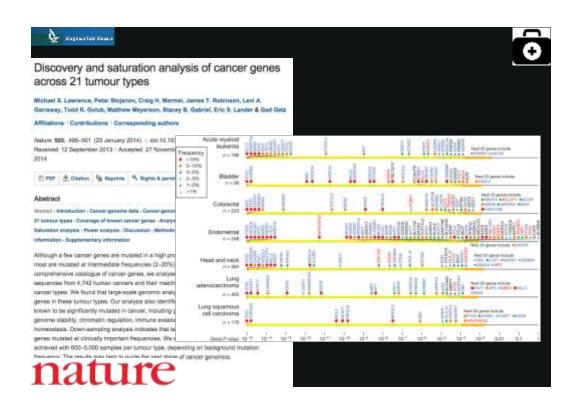


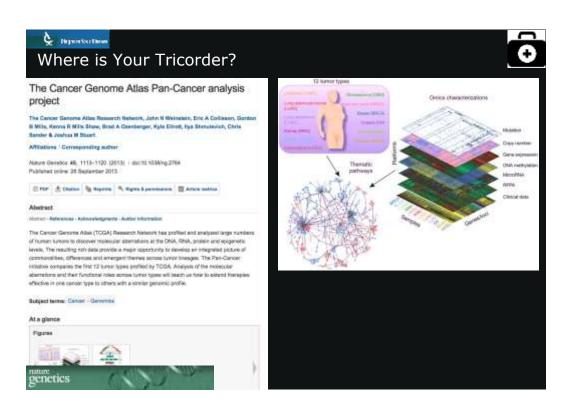








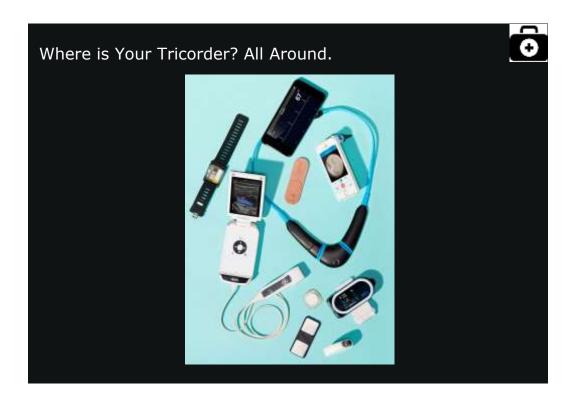


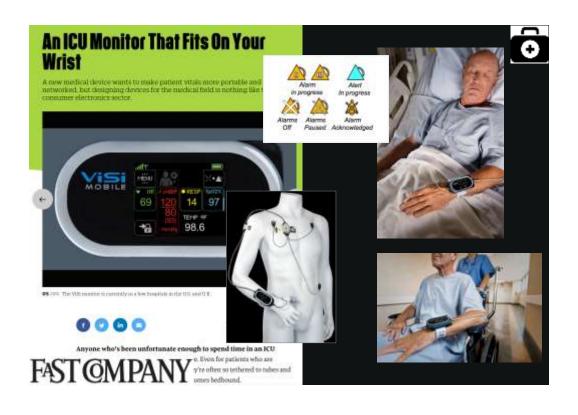




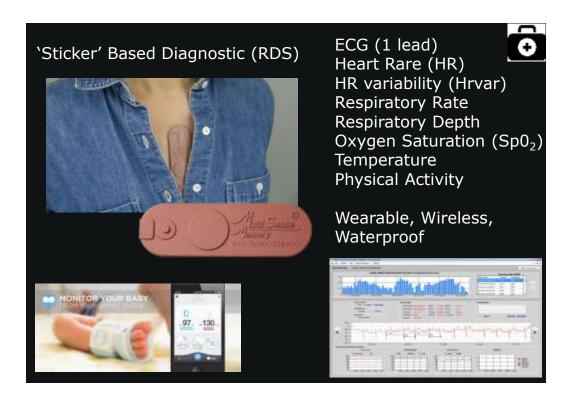


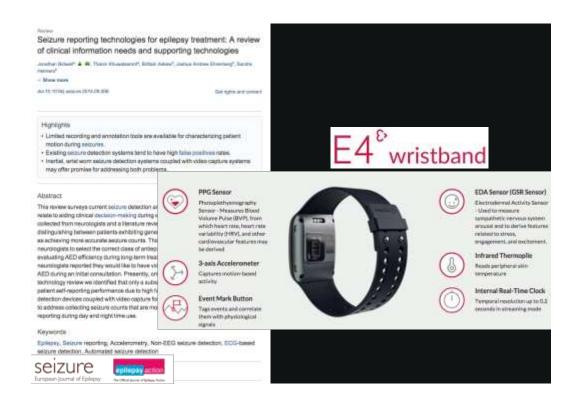








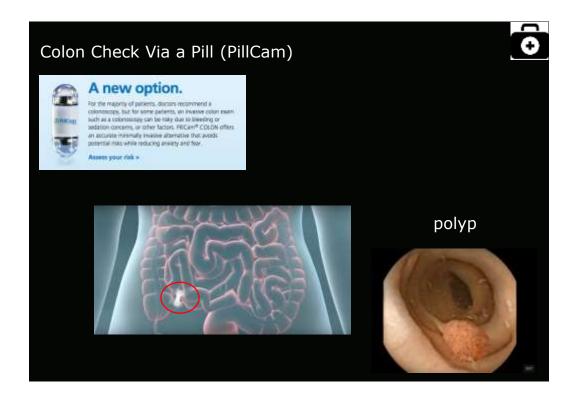




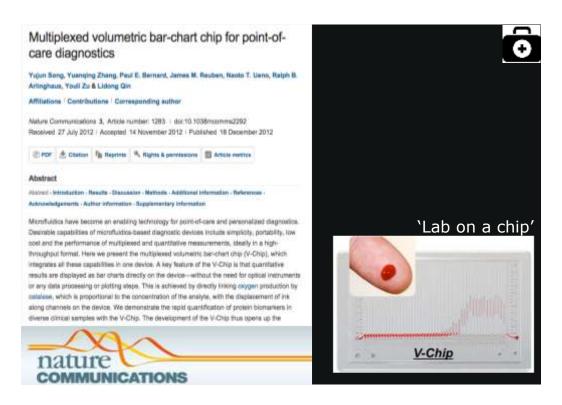


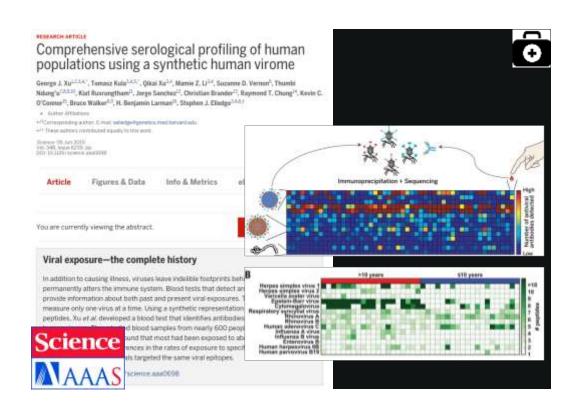




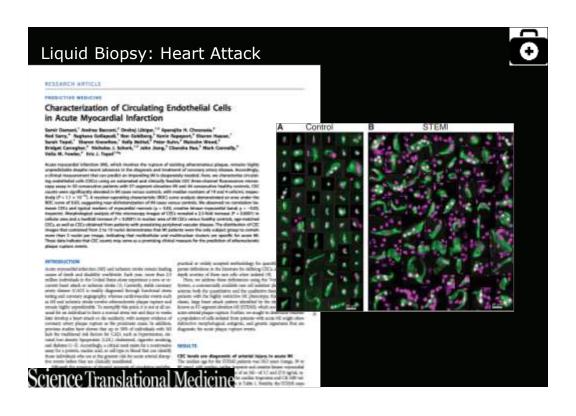


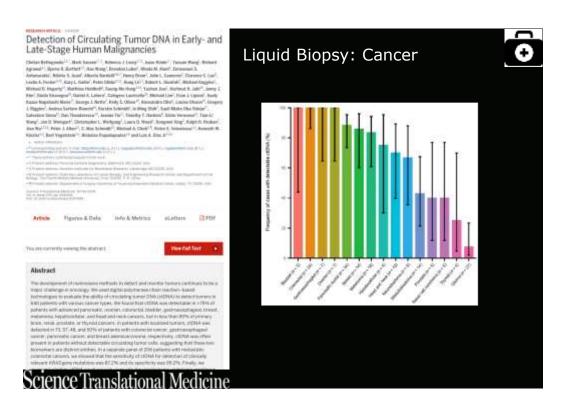




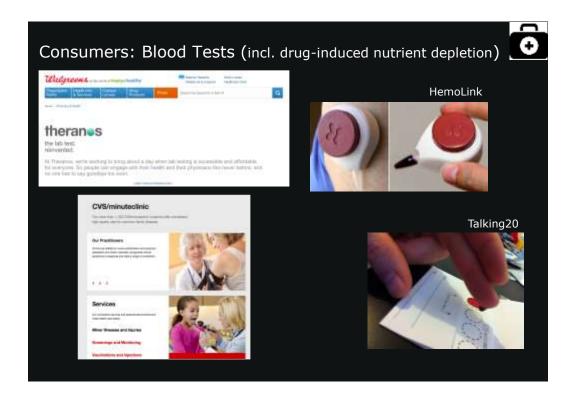




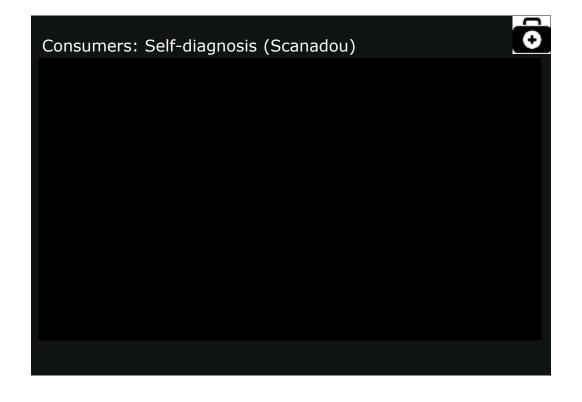






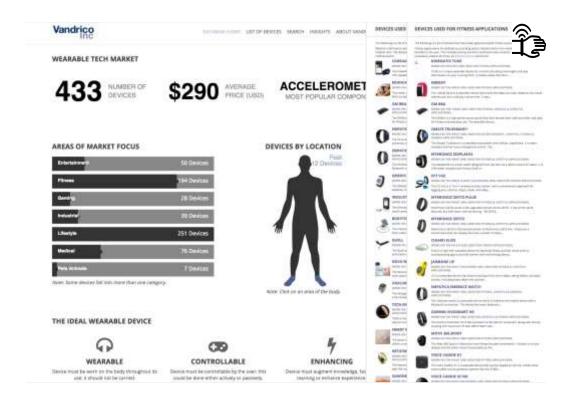


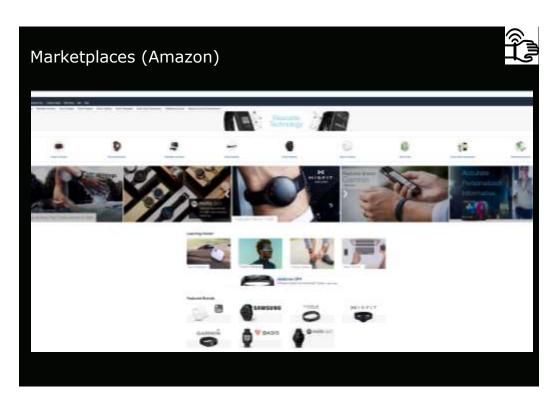


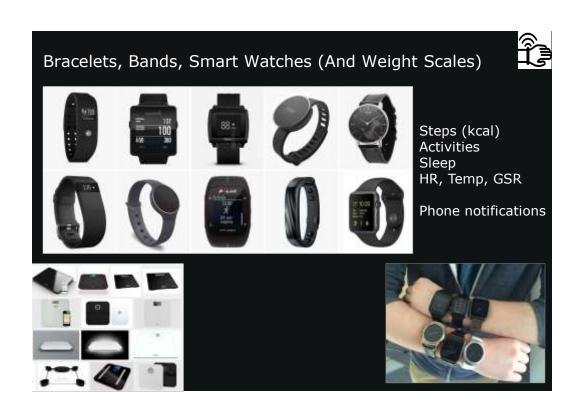


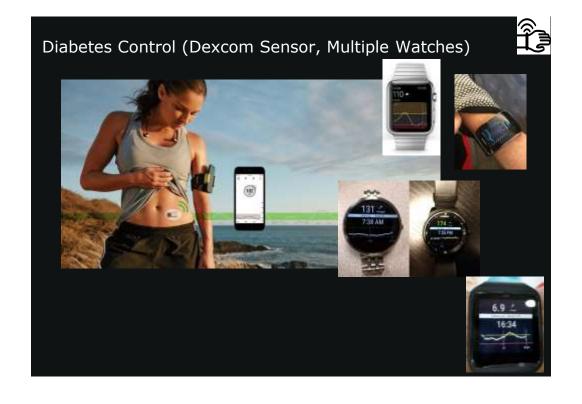




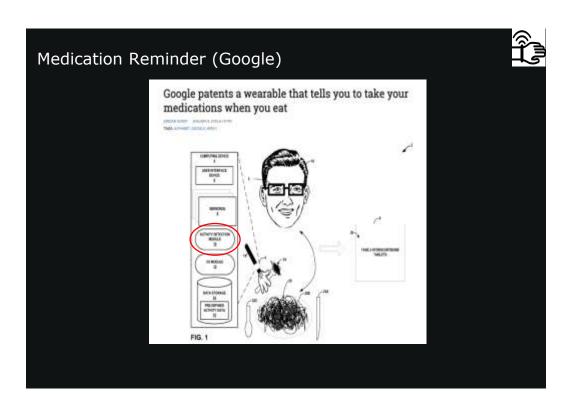




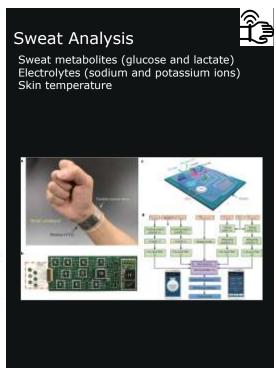


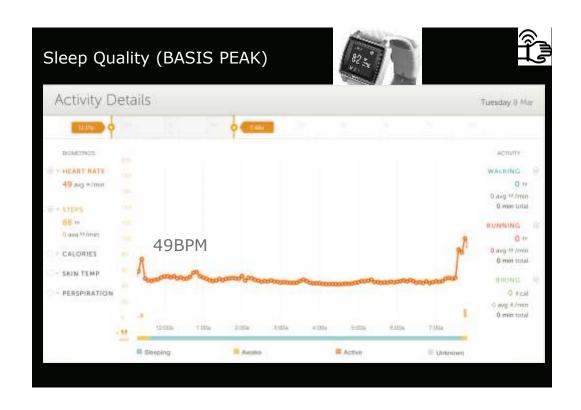


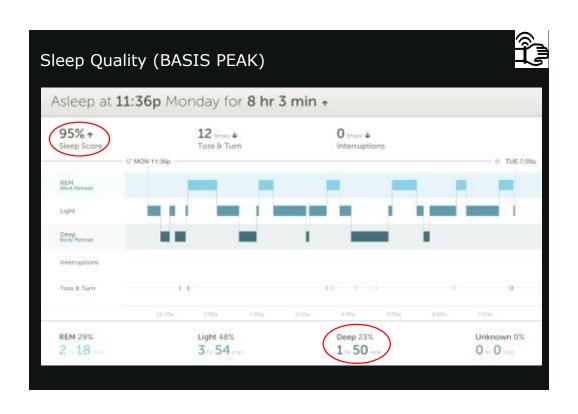


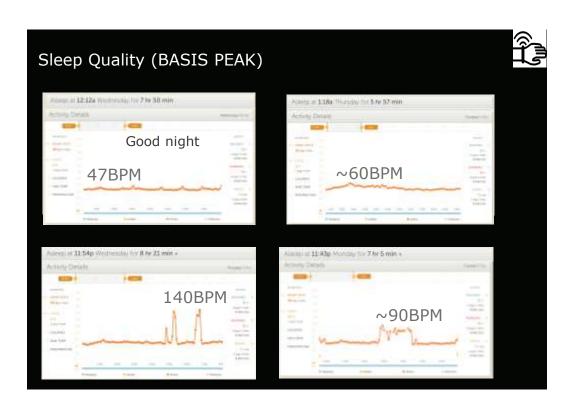




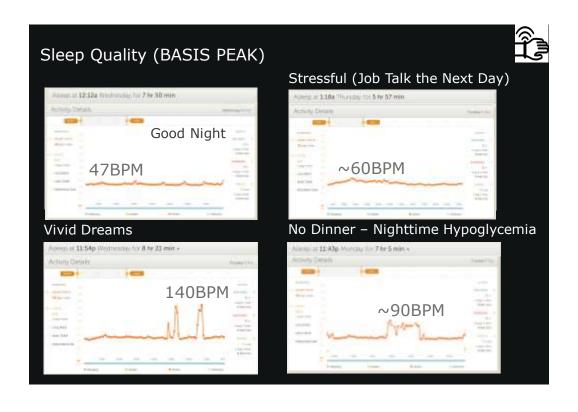




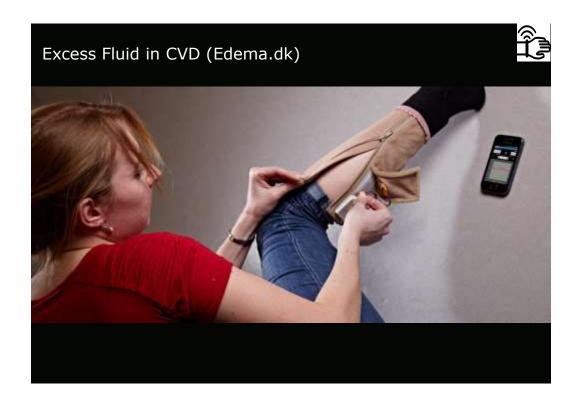


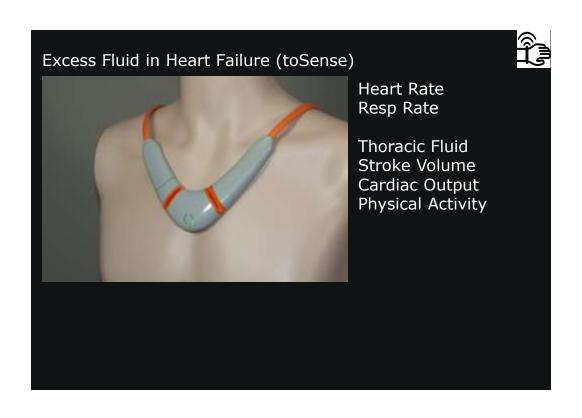


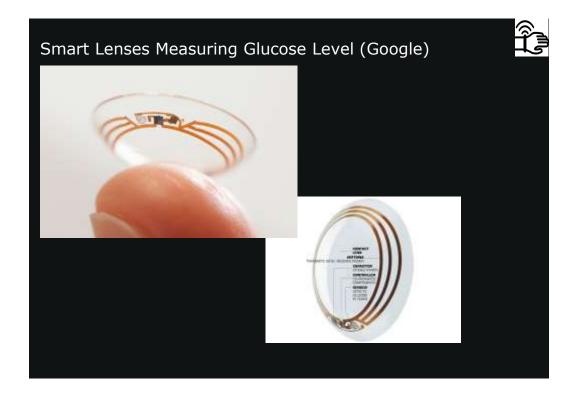


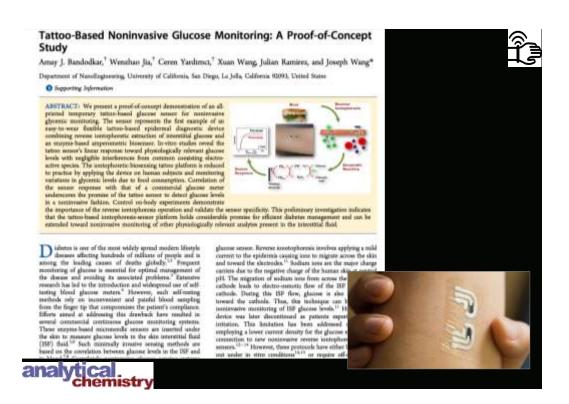


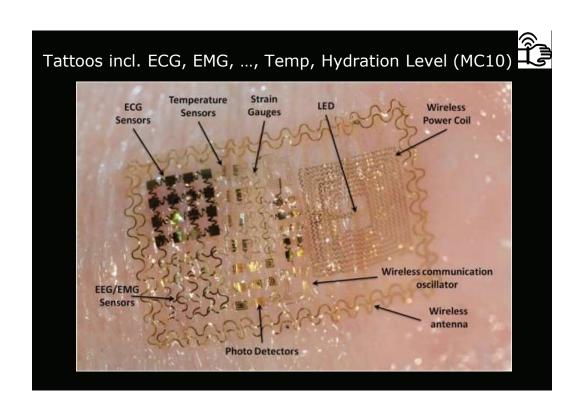


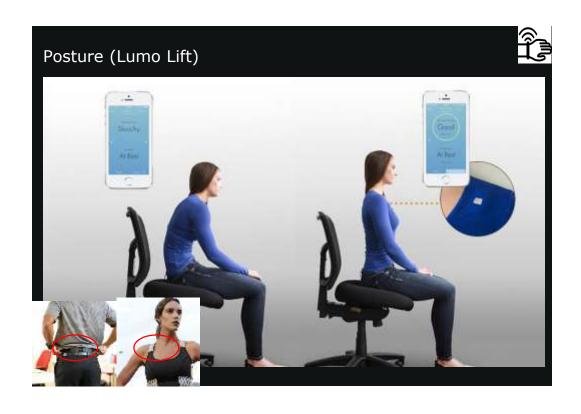


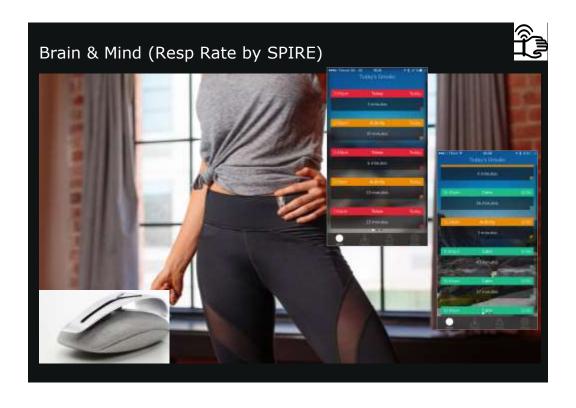


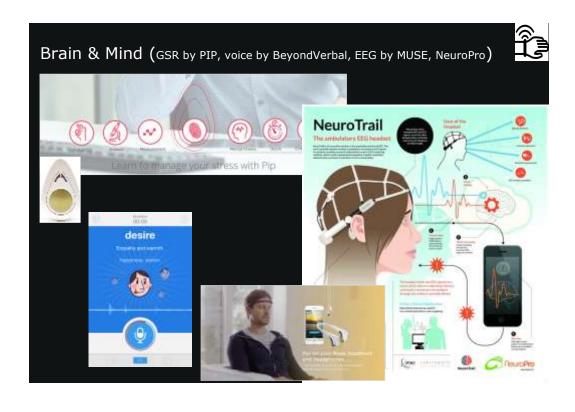


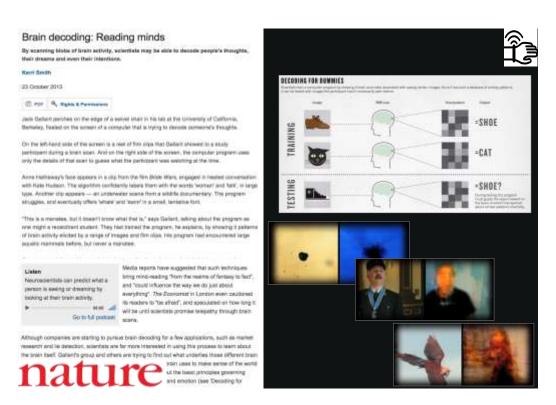


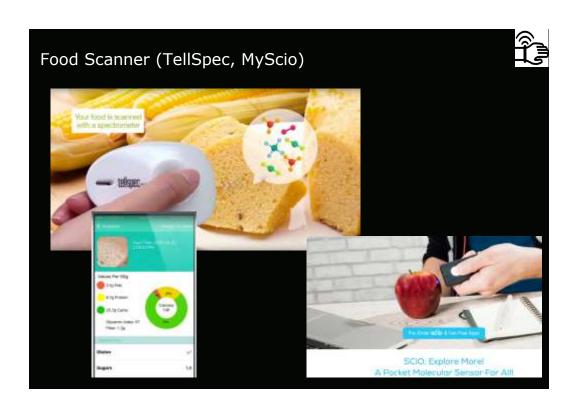






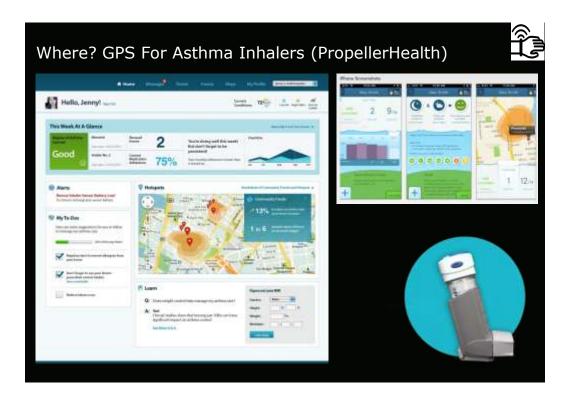


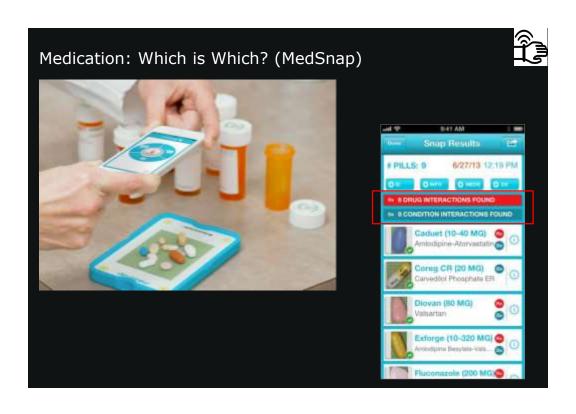






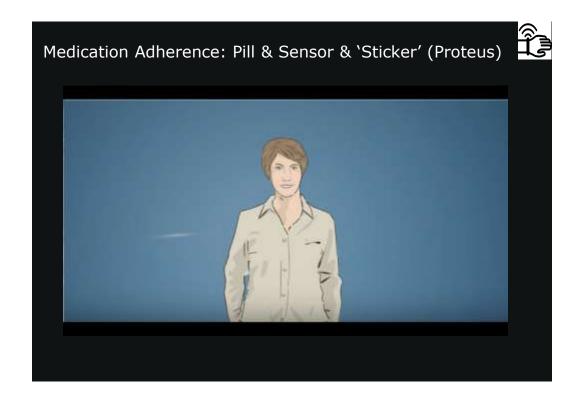




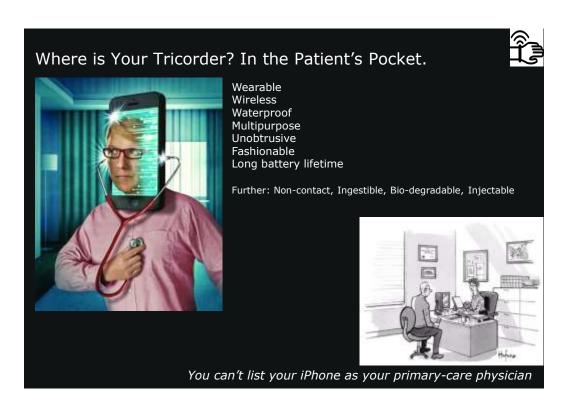




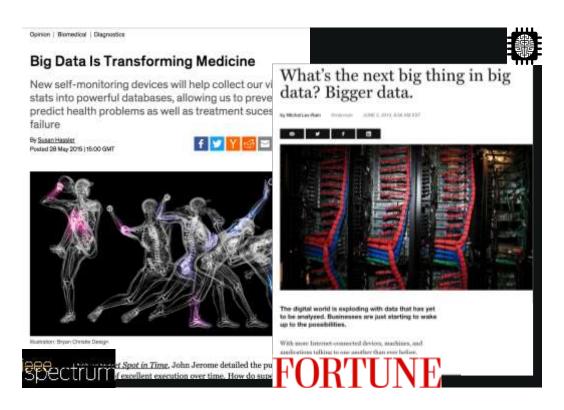






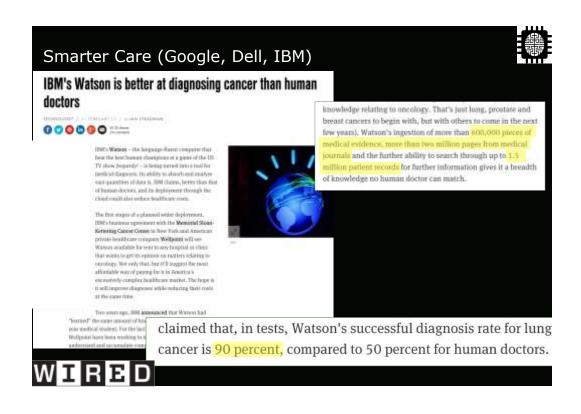


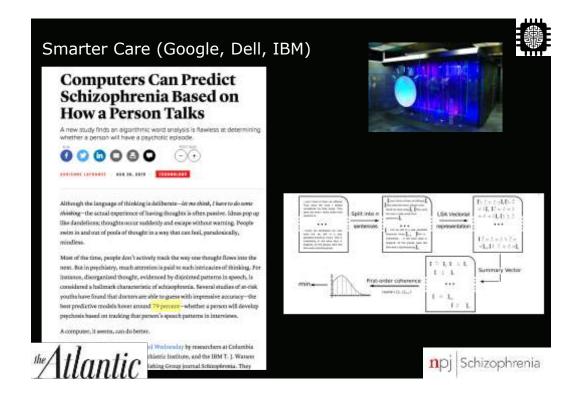




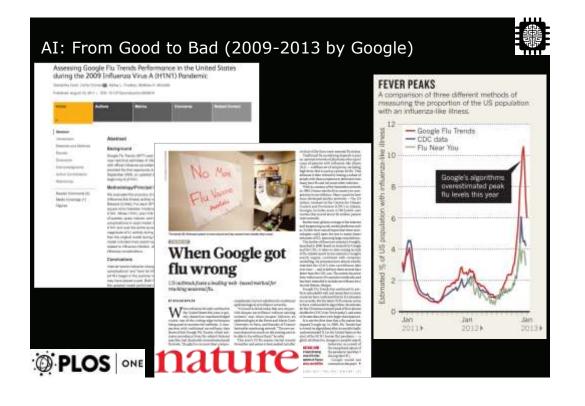




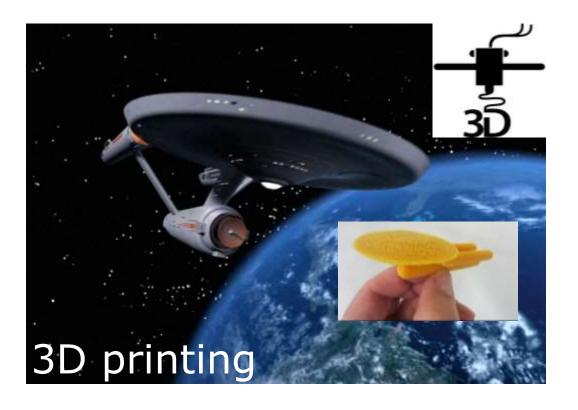




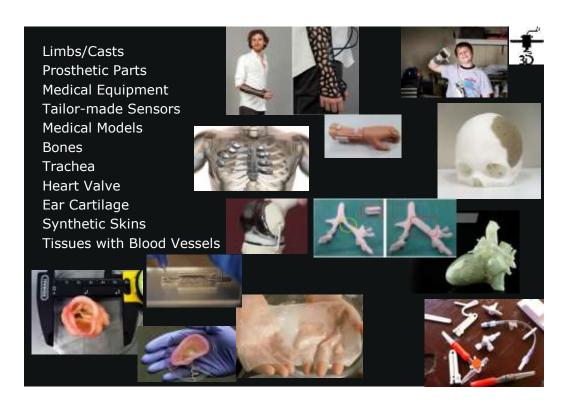








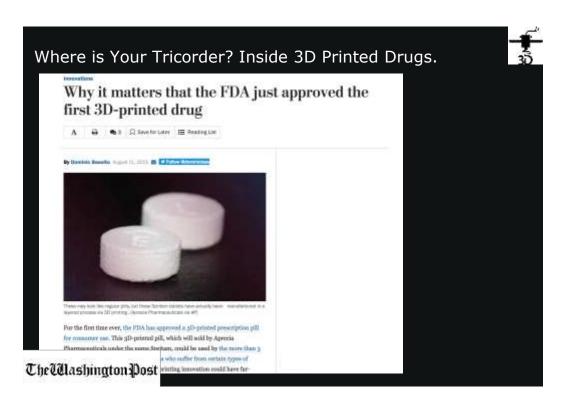




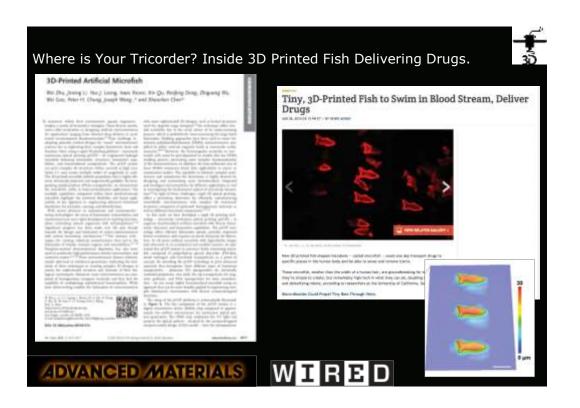


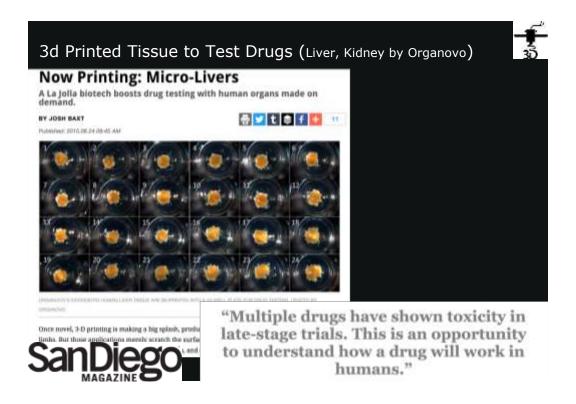




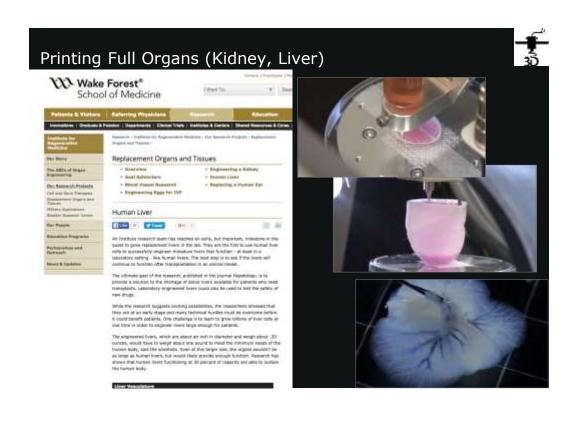


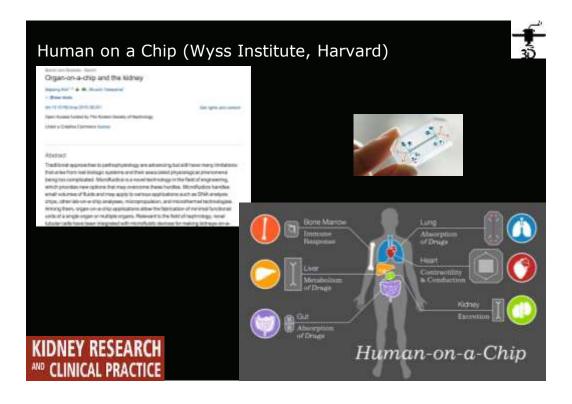






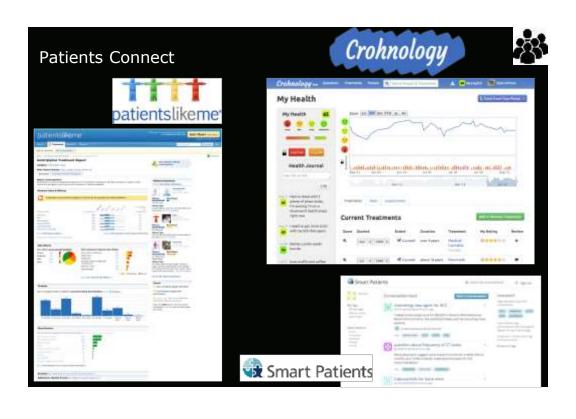






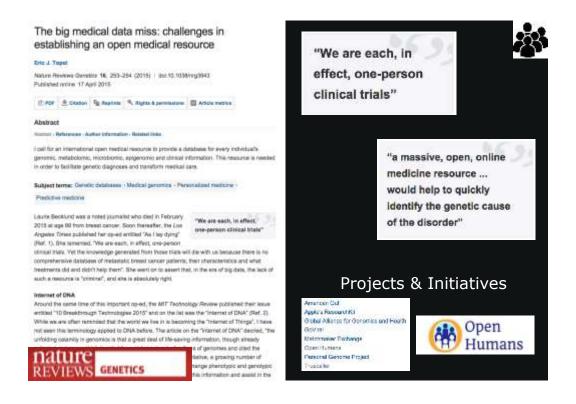




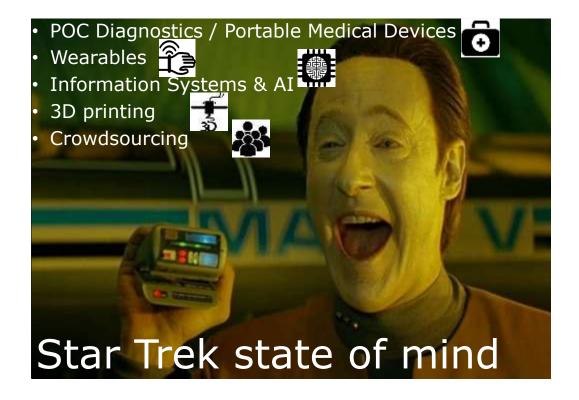




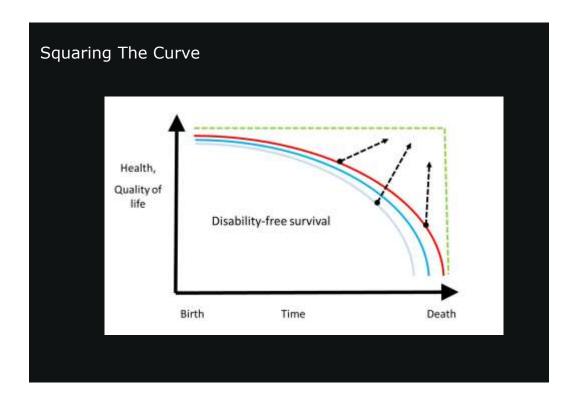


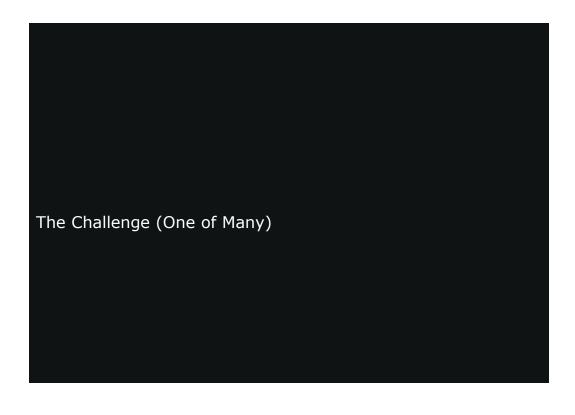














Anonymizing patient records for genomics

New method for concealing identity could open up more data for science.

Daniel Cresson

Combining genetic information with existing medical records could allow researchers to rapidly identify genes linked to diseases. But bringing together disgnastic and genetic information in one place risks compromising the confidentiality of patients.

Now a team from Vanderbilt University in Nashville, Tennessee, has developed a method they say can anonymize electronic medical records, eliminating the risk of individual patients being identified while preserving the ability of researchers to do such work.

There is a Ruge push under way in the United States and elsewhere to creet and exploit electrors: medical records (see 'Cinical epidemology, Archived appares'). Combining the diagnosis codes the let a patient's conditions in

codes that is patient's conditions in these records with genetic information from the patient could save time and money in geneme-wide association studies, which seek to link genetic varietions with diseases.

Diagnistic data held in

medical records could be very useful to geneticists.

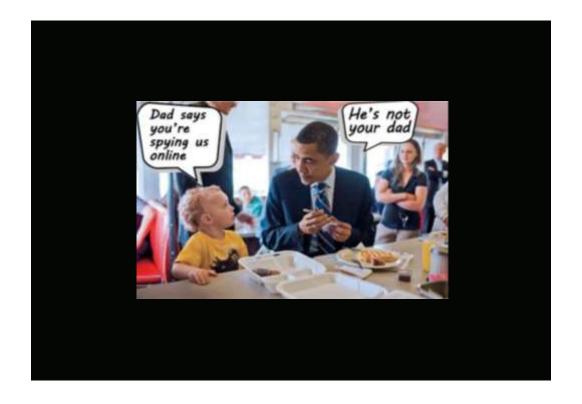
INVSANSIOCAPBON

If their new approach is adopted it could open up vast new amounts of data for researchers to crunch while keeping patient data anonymous, the team sey.

"There are lots of different types of information that exist within medical records. In the past it has been shown that demographic information is readily linkable to public information that could lead to generalize the public information in the could lead to generalize the second second

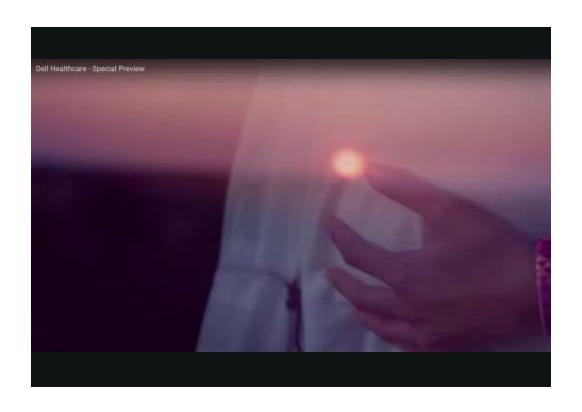








The Challenge (One of Many) → We Are Working On It!



Precision medicine

[Personalized, Preventative, Proactive, Participatory]

- Average is over: patient_i
- POC is where the patient is
- Toolbox is expanded beyond a stethoscope and a pill
- Approach to health is holistic

