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Problem

Vital Signs Monitoring at Home

- Medical devices not acceptable for long-term use.
- Wearables not designed for at-risk population.
- Post-acute/Rehab programs need solutions for long-term monitoring.

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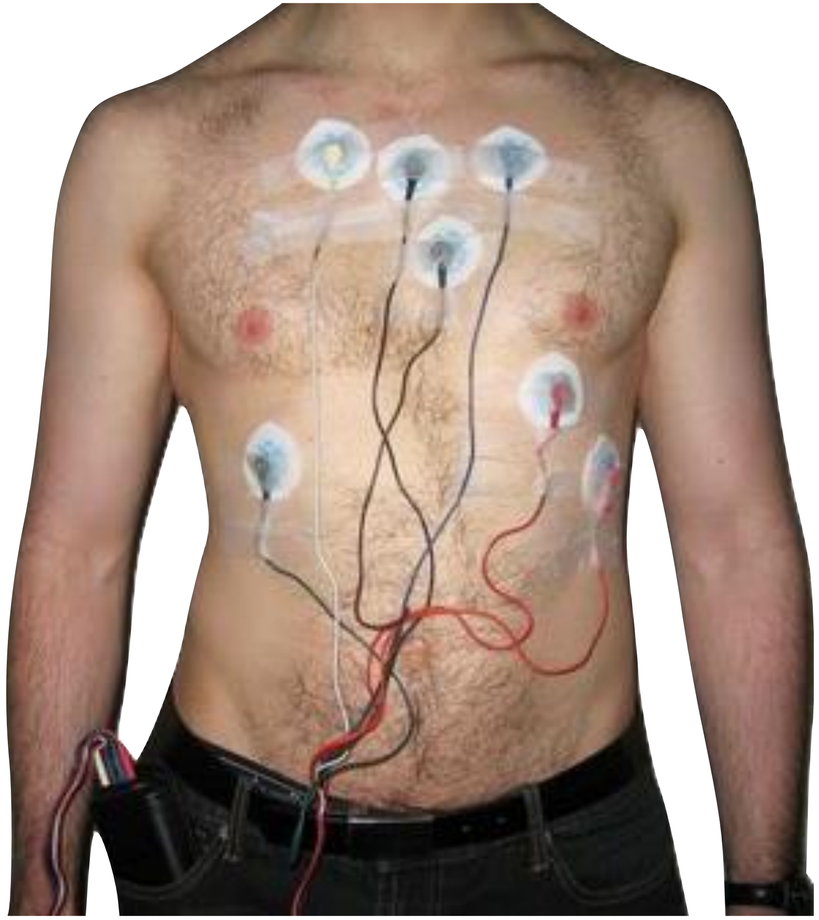

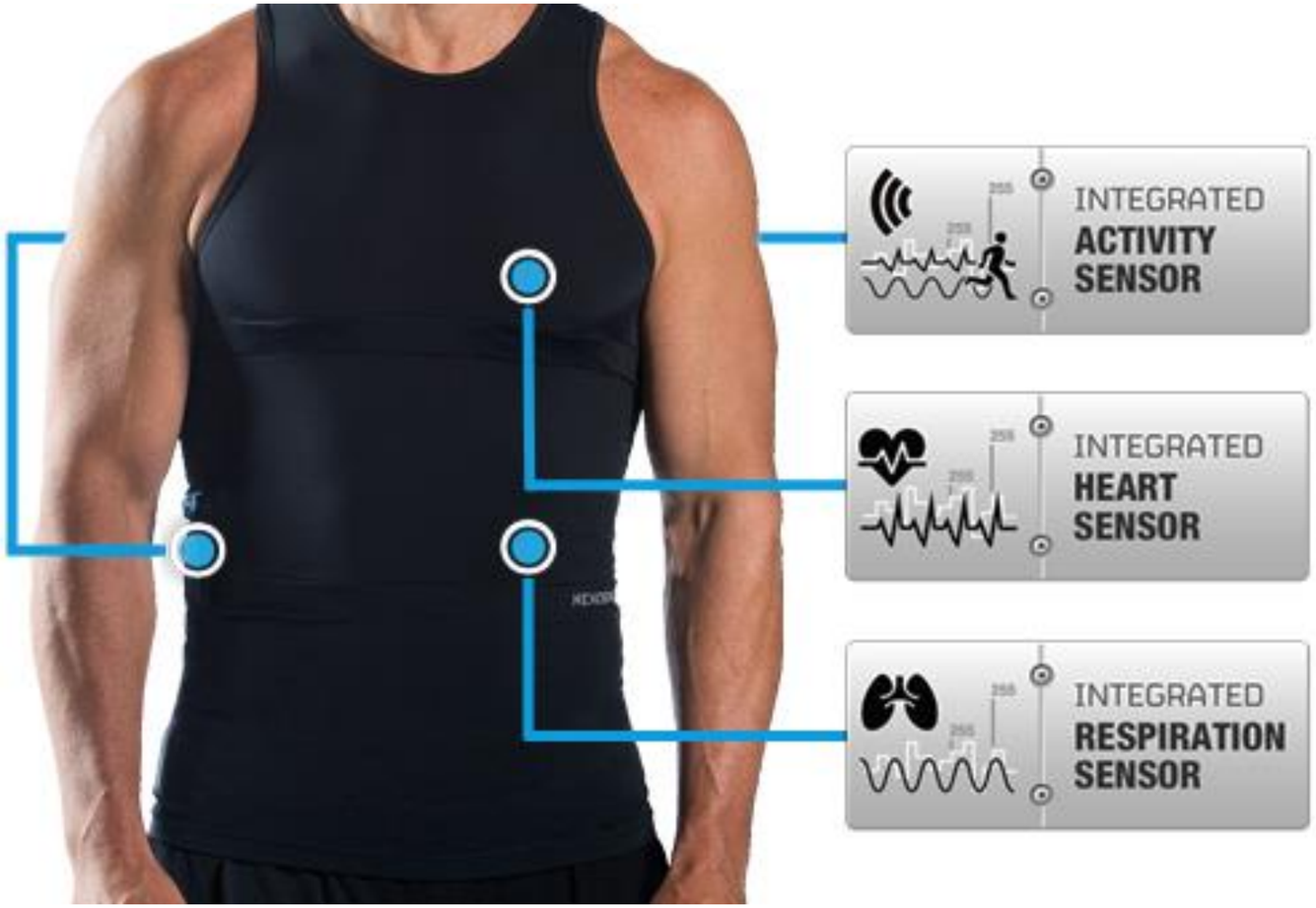
INTEGRATED
ACTIVITY
SENSOR
INTEGRATED
HEART
SENSOR
INTEGRATED
RESPIRATION
SENSOR

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OVHD
CLOSING HATCH
volare
proxima
futura
EXIT
iriss
horizons
blue dot
Canada

Remote Clinical Trials for Rare Diseases

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Rettsyndrome.org

ACCELERATING RESEARCH. EMPOWERING FAMILIES.

Boston Children's Hospital

Until every child is well℠

Deep Learning Can Build Rich Models

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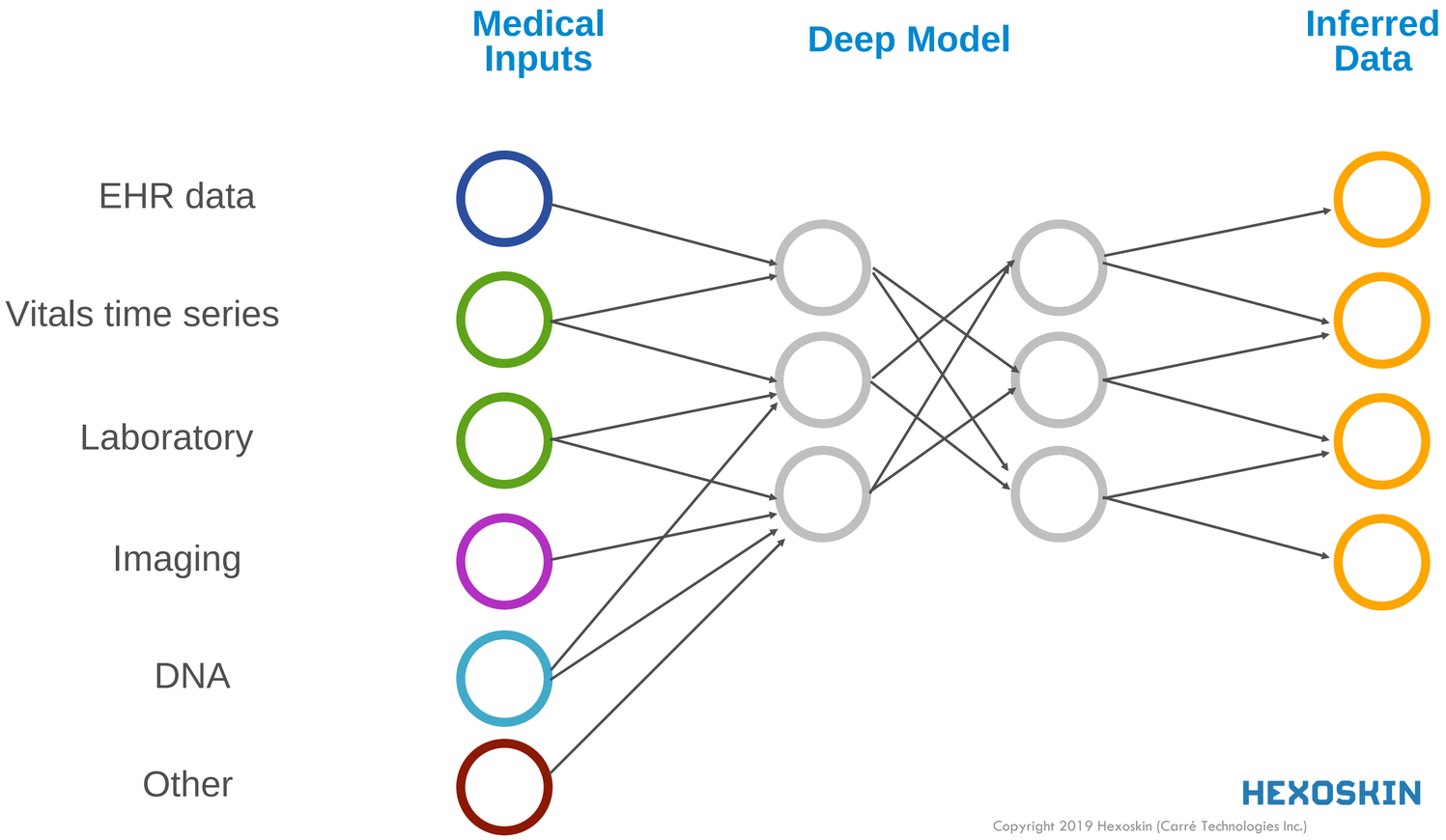
HEALTH SENSORS & AI



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Large datasets allow the development of rich models…

Small datasets can be used to increase performance

Preparation and Data Processing:
Data Recording and Coding
Data Mining
Data Conditioning
Statistical Analysis
Statistical Modeling
Data Flow Automation
Graphical Analysis

= **90%** …of the work

10%
Reproduce Studies
Answer Questions
Validate New Endpoints (with Respiratory, Sleep)
Develop New Machine Learning Algorithms
Integration Documentation and Code

Transparency
Can it be explained, compared, reproduced?