



Geisinger

**Use of Technology to Foster Better
Health and Patient Engagement**

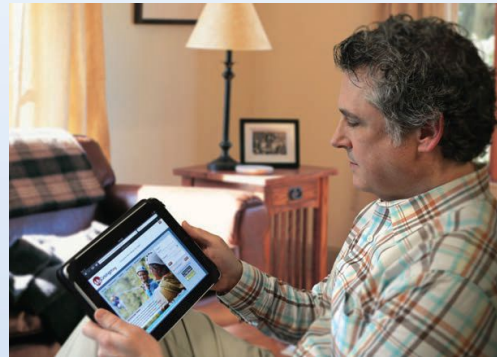
Technology has augmented our patient-centered culture by facilitating enhanced patient interaction and transparency

- Best Practices Bundle
- Rounding
- Provider Transparency
- Transparent reviews
- Consistent Communication
- Patient Refunds

ProvenExperience™ Mobile App



OpenLabs, OpenStudies



Technology facilitates seamless scheduling of appointments & empowers the patient to access self-service channels

Find a Provider

Geisinger powered by Zocdoc
View more Geisinger physicians

Dr. Susannah Kisvarday MD
Pediatrician
★★★★★
Read verified patient reviews
Practice Name
Geisinger - Lewisburg

Book an Appointment

Book an Appointment



Technology can deliver and assess clinical decision support and its use, incorporating best practices and evidence basis

Stanson Analytics Detailed Alert Trend Data and Override Reasons

Stress ulcer prophylaxis medications for low risk patients

released 11.30.2011

status active

stop medium

(INP)

Best Practice Alert

Don't prescribe medications for stress ulcer prophylaxis to medical inpatients unless at high risk for GI complications. According to published guidelines, medications for stress ulcer prophylaxis are not recommended for adult patients in non-ICU settings.

12,394

alerts

31%

followed (3,825)

3%

overridden (393)

66%

ignored (8,176)

-

unknown (-)

-

silent (-)

\$61

cost

\$398K

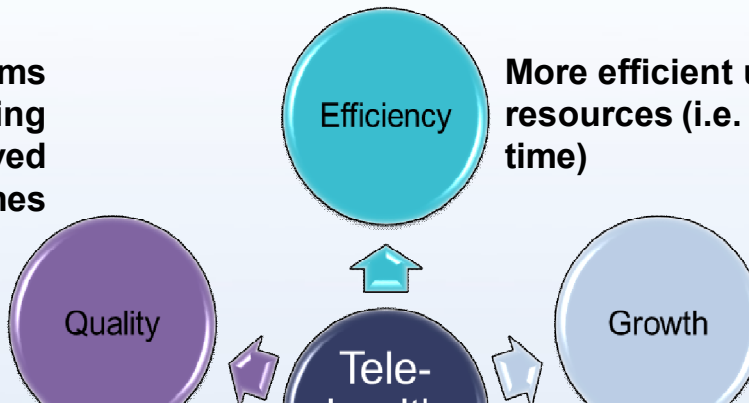
est. savings

\$774K

est. opportunity

Telehealth Value Proposition

Telehealth programs are demonstrating improved quality/outcomes



More efficient use of resources (i.e. reduce travel time)

Increase market share/expand to markets

Telehealth: Technology deployed to connect a patient to the actual provision of care



Genomics technology combined with extensive medical record repository can improve health outcomes

National Precision Medicine Initiative (PMI) Program

PMI aims to engage 1 million+ participants

Longitudinal study of lifestyle, environment and genetics

Geisinger is a Healthcare Provider Organization (HPO)

Geisinger M. Code already has 140,000 patients enrolled

Genomic technology has allowed us to advance anticipatory medicine for any one of 27 clinical conditions

EXAMPLE

| GENOMIC CONDITION | POPULATION PREVALENCE | CLINICAL RISK | DISEASE-ALTERING INTERVENTION |
|------------------------------------|-----------------------|--|--|
| Familial Hypercholesterolemia (FH) | 1 in 175 | Early-onset Coronary Artery Disease and Stroke | Targeted screening and aggressive medical management |

FH in the US

FH Affects > 1M people and <1% realize it

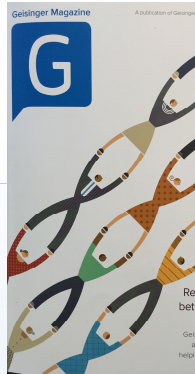
Geisinger MyCode FH Goals

Diagnose: 1st 500 cases in MyCode participants and family

Kim Mummert's MyCode Story



66 year old GHS employee
Positive for a Lynch Syndrome mutation
Obtained genetic counseling



We have brought these capabilities together to launch our campaign to address social determinants in Scranton

Public health initiative centered in Scranton, PA

- Food insecure: households 14%/children 22%, diabetic: 14%

Genomics

- Consent and sequence 25,000 residents leveraging MyCode Initiative with Regeneron
- Improve prevention for patients with a genetic risk of medically actionable conditions
- Create multi-generational improvements in the health of the community

