THE PROS AND CONS OF COLLECTING PATIENT-GENERATED HEALTH DATA

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- In a keynote address at the American Medical Informatics Association (AMIA) in 2011, Gregory Abowd predicted "within 5 years, the majority of clinically relevant data…will be collected outside of clinical settings."

WHAT IS PGHD?

- Patient Generated Health Data Includes:
    - Health history
    - Treatment history
    - Lifestyle choices

HOW IS IT DIFFERENT?

- PGHD complements provider directed capture and flow of data that is health related data across the health continuum.

- PGHD can complement current and existing clinical data, potentially fill in the gaps of the clinical information as provide a holistic and comprehensive indication of the patient's health.

- PGHD offers an opportunity to capture needed information for use during care, with potential cost savings and improvements in quality, care coordination, and patient safety

WHAT ARE THE TYPES OF PGHD?

- Patient (or patient proxy) measured vital signs by means of a device and recorded by patient (or proxy)—e.g., temperature, blood pressure, blood glucose, weight.

- Self-reported (recorded by patient or family member) lifestyle data—e.g., caloric intake, diet, exercise, hydration, medication adherence, ability to perform activities of daily living. The patient or a patient proxy would typically manually capture these data.

- Self-reported as perceived quality of life data—e.g., mood, sleep quality, level of pain, social contacts. The patient or a patient proxy would typically manually capture these data.

PROS OF PGHD

- Patients can engage in innovative preventative efforts with the use of technology.

- May improve the patient experience of care

- May reduce the cost of care

- Provides a holistic view of the patient

CONS OF PGHD

- Lack of access for those at greater risk

- Reliability of data

- Patient expectations

- Data integration and clinical workflow

REFERENCES

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QUESTIONS??

- What are your greatest concerns regarding PGHD?

- How are you incorporating any type of PGHD at your organization?

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