Penn Medicine

PENNSEEK

WHAT IS IT

PennSeek is a tool to search unstructured or semi-structured medical documents currently residing in Penn Medicine's EMRs and diagnostic applications (Radiology, Pathology, Cardiology, Ambulatory, etc.), to analyze and mine this data for identifying trends and input for patient care and research. Currently, PennSeek is being used by more than 30 different research studies across multiple disciplines such as Dermatology, Rheumatology, Cardiology, Gastroenterology, and Neurology, among others.

OUR GOAL

To bring together structured and un-structured data from all our major clinical applications, allowing immediate search and information discovery capability across those applications from one place.

WHAT WE DO

The PennSeek team works with clinicians and researchers to develop stories of workflows that could be solved by access to data. These stories are then transformed into prototypes that allow visualization of both the problem and solution. These prototypes are then further developed into applications that tap into clinical data sources to bring data together in a way that resolves each story into an end-to-end solution.

DATA CURRENTLY AVAILABLE INCLUDE:

›› Patient Demographics (PDS)

›› Outpatient Encounters (Epic)
With data specific to Allied Health visits, dermatology scan visits, endocrinology scan visits, gynecology/obstetrics scan visits, hospice admissions, infusion visits, office visits, and op reports.

›› Anatomic Pathology (PDS and Epic)
Reports and indicator of external (Epic) Pathology data

›› Radiology Reports (pre-March 2015)

›› Echocardiogram Reports (ProSolv)

›› Cardiac Catheterizations (Horizon)
Reports with Hemodynamic data

›› Prescribed Medications (Epic)
Based on individual encounters

›› Administered Outpatient Medications (Epic)
Based on individual encounters

›› myPennMedicine Messages (Epic)
Exchanged between patients and provider

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For more information, please visit our website at:
http://www.med.upenn.edu/dac/pennseek.html

SCAN FOR MORE INFORMATION