Health Screen

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Problem

- **Late diagnosis** of diseases

   "Almost half of the colorectal and cervical cancer cases and a third of the breast cancer cases in the United States are diagnosed at late stages" - CDC

- **Obscurity** of medical screenings for the patients

   Despite the necessity of medical screenings, most people don't know which screenings they need and where they can have them.

- **Scheduling and tracking** appointments is difficult

Solution

- A web platform and mobile app that aims to simplify the medical screening tracking process and increase early diagnosis rates.

- Suggestion of individualized screenings based on user information

- User can learn about the screenings, and contact hospitals that provide them

- Ability to track appointments and concerns

Details

- User information such as gender and age make it possible to recommend a thorough list of screenings. The user can enter more information such as health issues in the family and insurance coverage to optimize suggestions.

- After recommendation, users will pick hospitals based on proximity, insurance coverage, and cost.

- Finally, users can contact hospitals, and keep track of appointments in a built-in calendar.

- A backend platform for hospitals will let them know patient information and minimize communication issues.

- Hospitals can update their profile and information about provided services

- The interface aims simplicity

- Option to be anonymous for privacy concerns

Market

- Patients are users, health institutions are clients

- People of all ages.
  Everyone needs screenings - (American Association for Clinical Chemistry)

- Hospitals and private health institutions will pay a minor fee for patients sent by the app

- Employers that provide healthcare plans to employees, college health services

Next Steps:

- Accreditation of healthcare and screening data – Penn Medicine

- Finishing the prototype and partnering with SHS and Penn Medicine

- Funding, polishing the app with feedback, legal procedures

- Expanding to Philadelphia area and student health services of other colleges.

The Team:

- Deniz Beser - SEAS'19
  - Management and marketing; researching; reaching out to hospitals, mentors, and necessary resources; designing the apps.

- Edward Atter - SEAS'19
  - Developing the app on mobile and web platforms; researching; managing data and backend algorithms.