AI in healthcare - Reading Club Notes

Session 4/8/21

What we read:

Use of AI-based tools for healthcare purposes: a survey study from consumers' perspectives **https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7376886/**

Who Participated:

Jayanthi Suryanarayana (host), Ahmet Dokumaci, Sowmya Polavarapu, Kyle Knudson, Ateesh Gupta, Andrew J Plesniak, Alfredo De Los Reyes, Padmavati Bolaram, Christopher Cleveland

What was the paper about?

A study to examine perceived benefits, risks and use of AI based devices for their healthcare purposes from the individual consumer perspective. It hypothesis how various factors categorized by technical, ethical and regulatory themes influence acceptance of AI centric decision making in consumer devices for healthcare.

How is it relevant:

Fits into the consumerism healthcare trend and gives perspectives on how products and services should address these constructs that influences acceptance by consumers

What themes were discussed:

Trust, responsibility of users of data and measurement ownership of wellness and illness scenarios, data collection, quality approaches described in the paper

Key Takeaways:

- For AI device developers: Able to explain how the concerns are addressed
- For Regulatory Agencies: Define the right and the responsibility of healthcare professionals, developers, programmers, and end-users to demonstrate acceptable approaches in the use of AI devices.
- For Product Managers: Understand the different dimensions of concern and see they are addressed in the product so there is wider adoption