



AI for Health

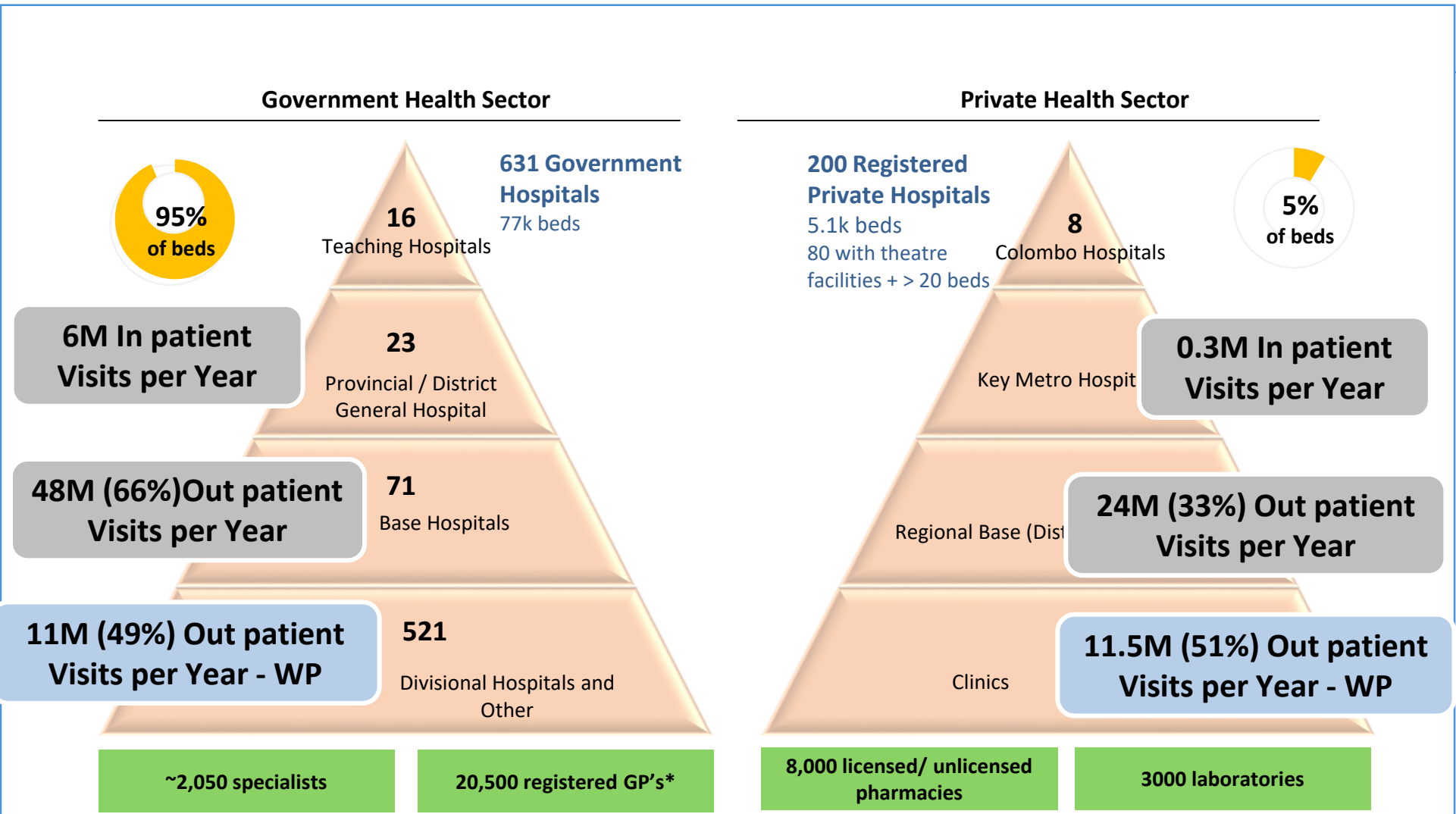
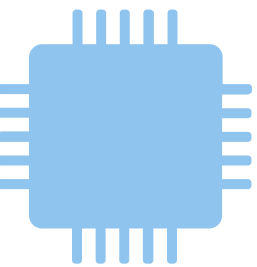
Sri Lanka 

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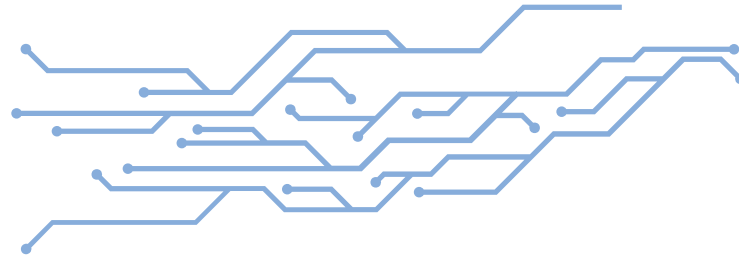




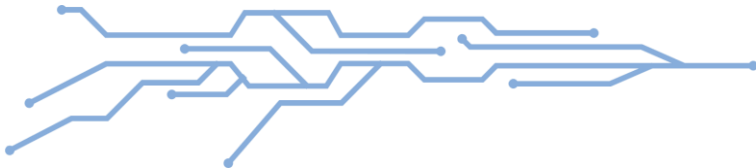
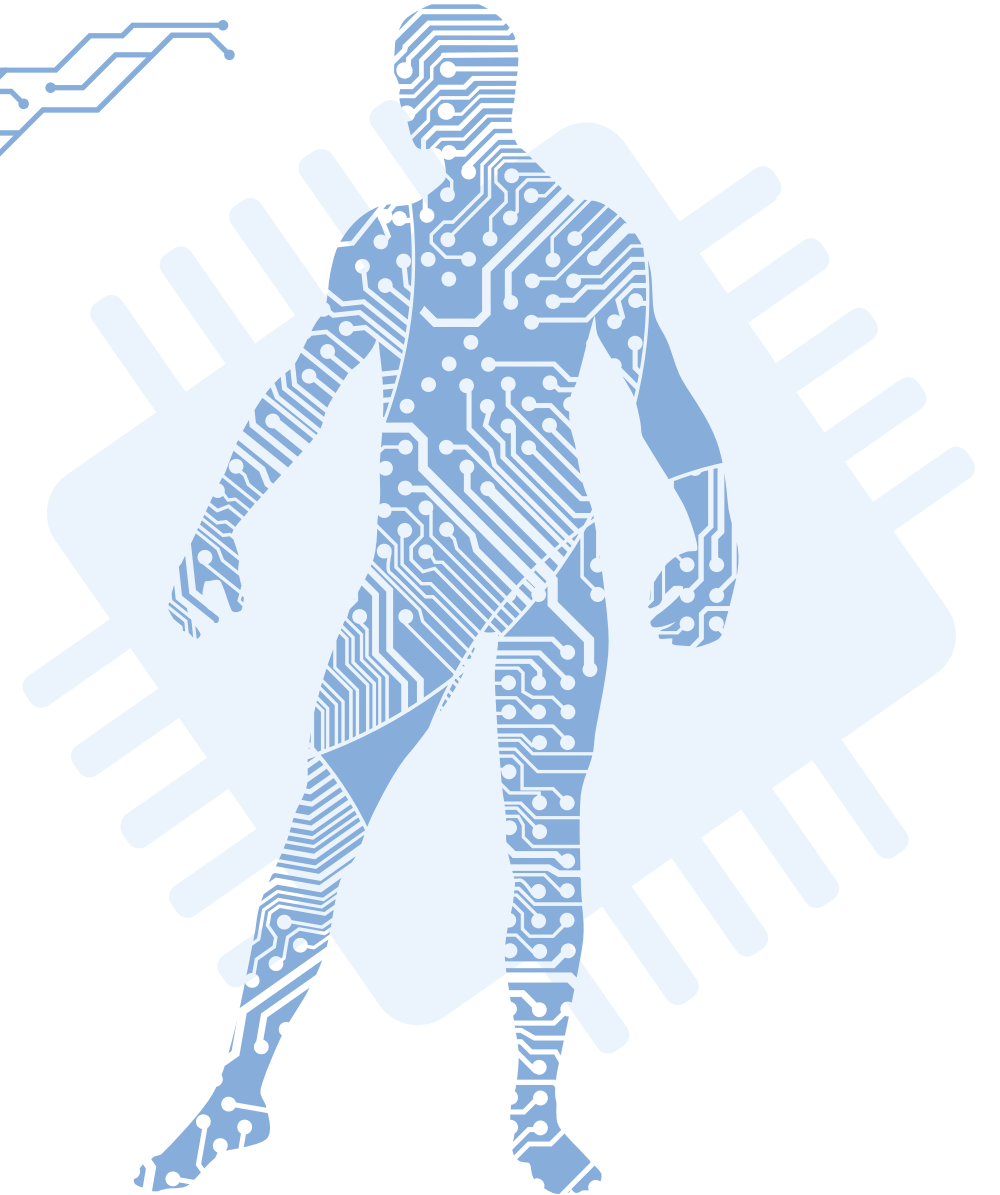
Source : Central Bank of Sri Lanka Annual Report (2016), Ministry of Health Publications

2Mn Outpatient Visits per month for Private Sector & Channelling < 400k per Month

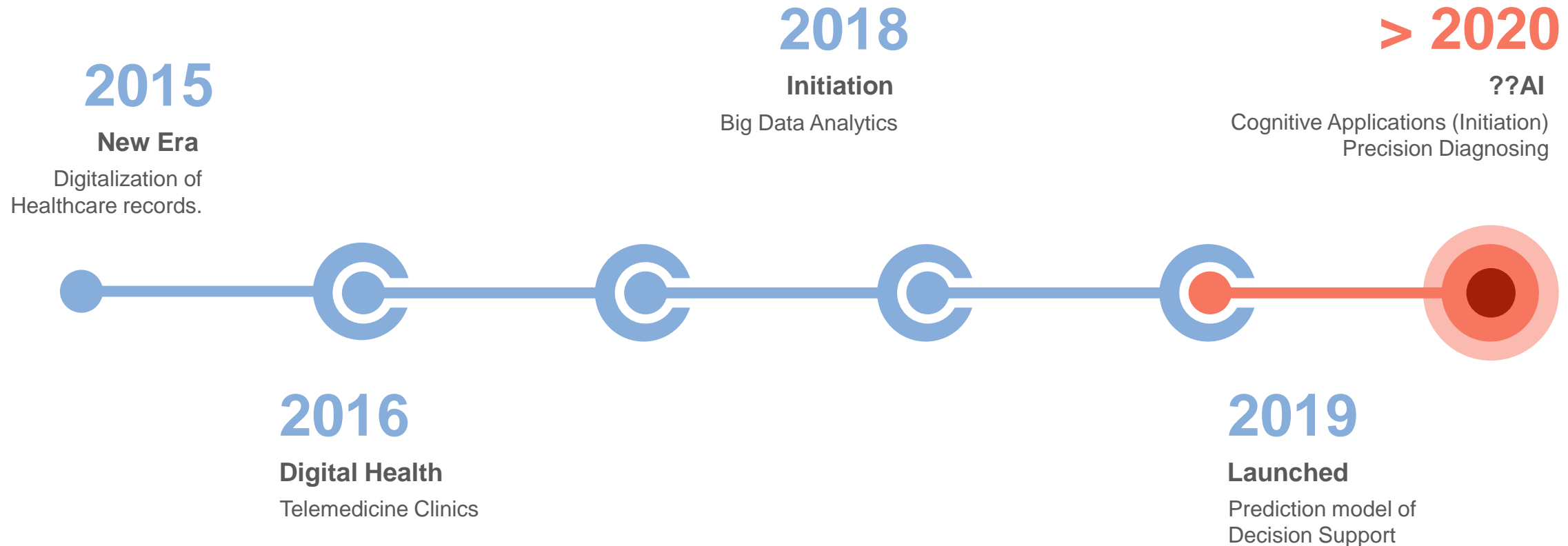
Objectives

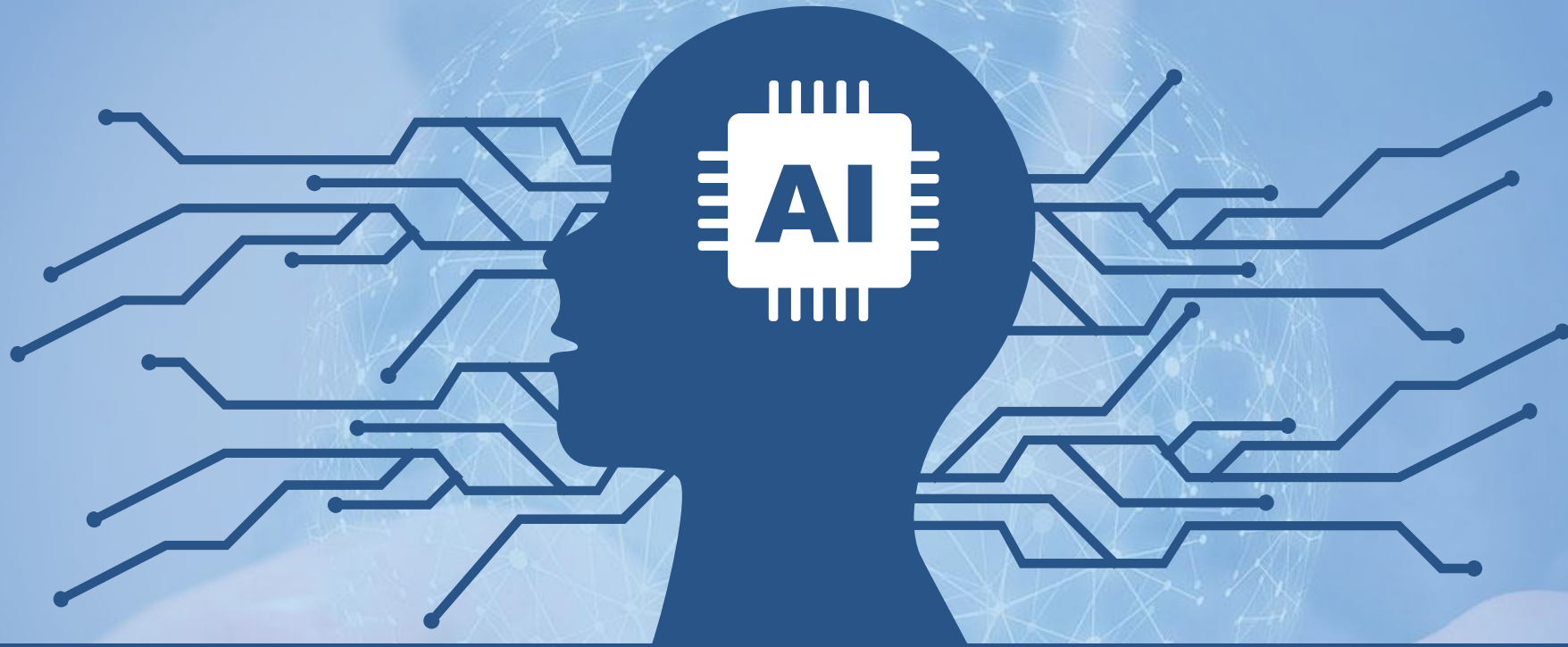


- 01** Sri Lankan Healthcare Landscape
- 02** AI applications in the Health Domain – present era
- 03** AI Opportunities as a Developing Country
- 04** Challenges for AI & Recommendations



Sri Lankan Healthcare Sector - Milestones

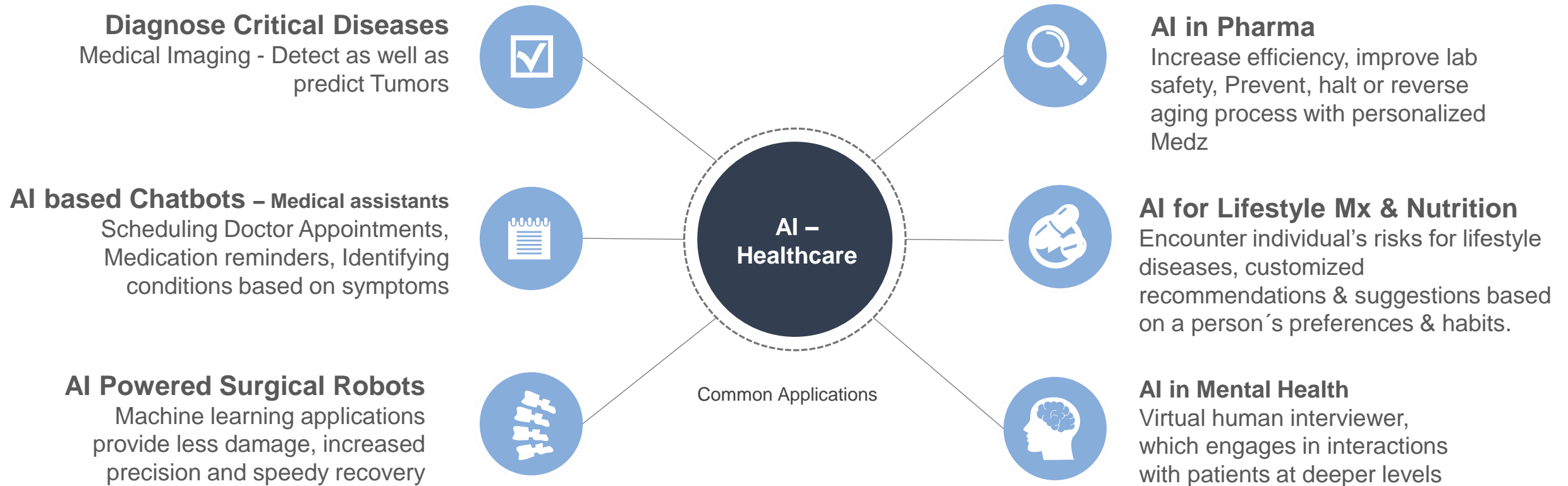




Artificial Intelligence applications in the Health Domain

Present Era

AI Applications - Healthcare





Opportunities as a Developing Country

Sri Lanka



Opportunities



Higher Waiting Time

Waiting time can be reduced by virtual assistants triaging, Chatbots to solve initial inquiries, Ai integrated to HIS to provide quick & accurate treatment options



Shortage of Medical services

Prediction of requirements human as well as medicine, equipment



Increased Mental Health Issues

early identification of mental health symptoms. Factors such as a person's tone, word choice, and the duration of a phrase are considered when studying an individual to identify Mental Health issues



Increased Aging population

Remote monitoring, predictions, reminders & prevention from NCDs

ARTIFICIAL INTELLIGENCE



Challenges

- Low data Quality & less data Quantity
- Wrong perception about Job insecurity
- Lack of trained staff / Lack of understanding among non technical staff
- Lack of Business alignment

Recommendations

- As AI is heavily based on data, proper cleansing, identifying missing data and proper data labeling needed by a Data Science Teams
- Proper education about how AI will create new job opportunities
- Proper change management techniques to be implemented
- Change in corporate culture & fine tune services being futuristic

Pre-Historic Era - Artificial Intelligence



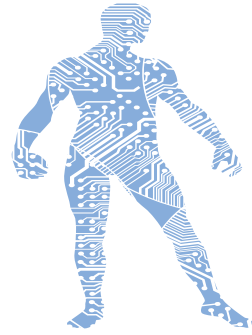
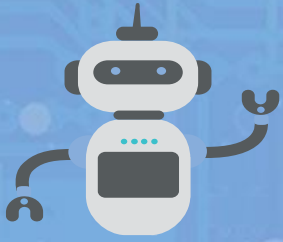
“King Ravana” – Sri Lanka

One of the most powerful beings ever to roam the universe, from the small island of Sri Lanka, where he ruled with mighty power over gods, humans and demons.

From 2554 to 2517 BC Sri Lanka under the scholarly Ravana saw great advancements in science and medicine.

*The “**Pushpaka Vimana**” or the aero-plane which he flew is held as an example of great scientific achievements made during his regime. It has stated in the history that this machine was able to self learn,*





Thank You

AI for Health – Sri Lanka

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