

Project Name: Dynamic adaptive data-driven clinical decision support system for identification of population risk clusters and individualized outcome prediction

Technology

- Dynamic adaptive machine learning architecture based on clinical data similarity
- Multimodal input normalization and subjective risk output
- Individual outcome prediction and population risk cluster identification

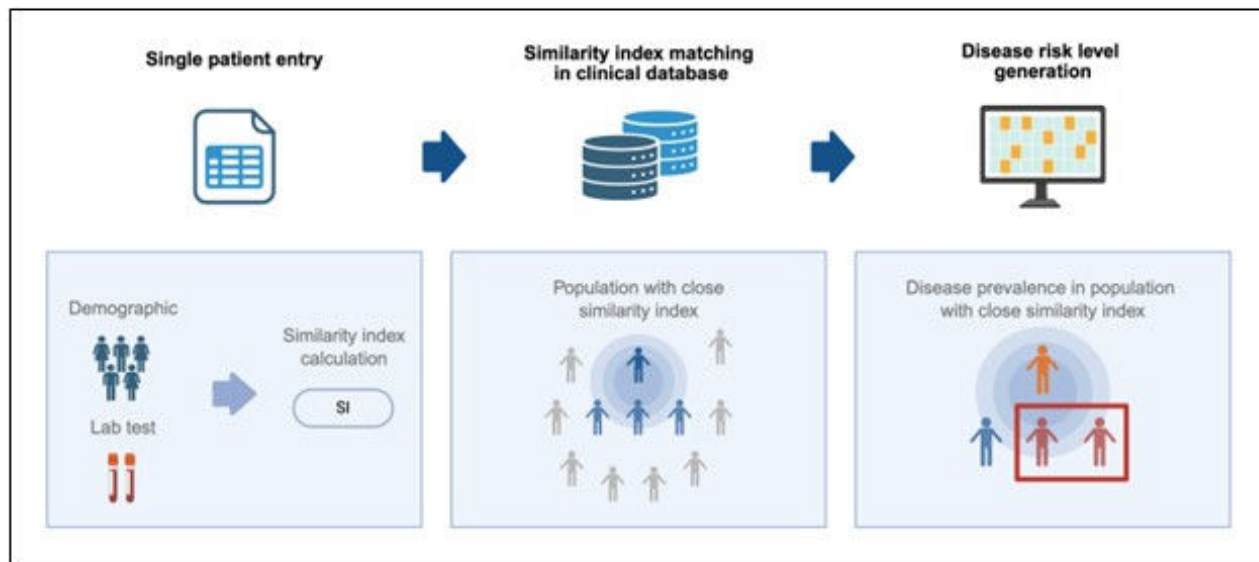
Key advantages

- Modular approach in source data, model and model optimization
- Compatible with heterogenous clinical data
- Near complete explainability
- Light weight model and low development cost / risk

Opportunities

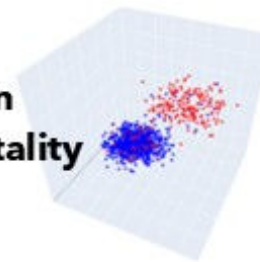
- Clinical decision support and risk alert
- Adoption in closed healthcare systems (e.g. Hospital Authority)
- Cross institution / jurisdiction deployment (e.g. GBA)

System illustration



Stage of Development:

- Preliminary data in**
- 1) Lung cancer risk prediction
 - 2) Myocardial infarction mortality



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