















Patient Triage and Health Care Services Delivery: managing variability

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Research Problem

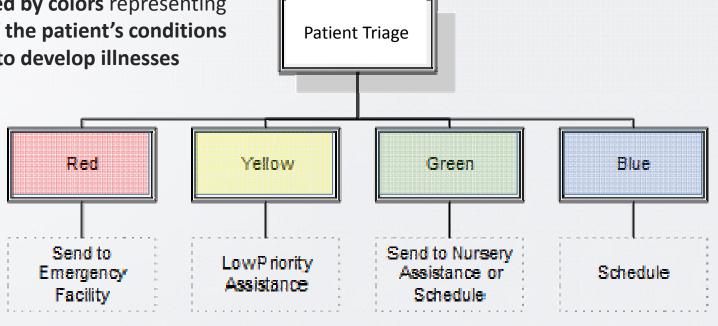
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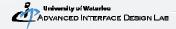
- Research question
 - How to guide framing of fieldwork data in order to improve a FRAM modelling of work-as-done in primary care subsystems?
- We explored the use of Abstraction Hierarchy as a means to this in patient triage within primary healthcare
- Data collection: extensive work observation and interviews with community health workers afterwards



Some background on the domain

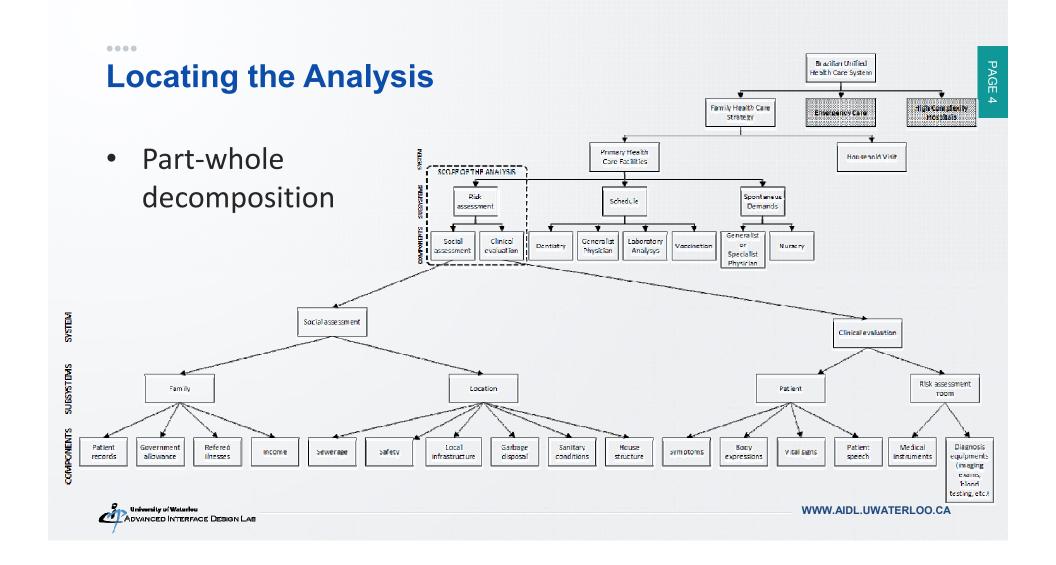
 The triage process: assignment of a risk score illustrated by colors representing the severity of the patient's conditions and potential to develop illnesses



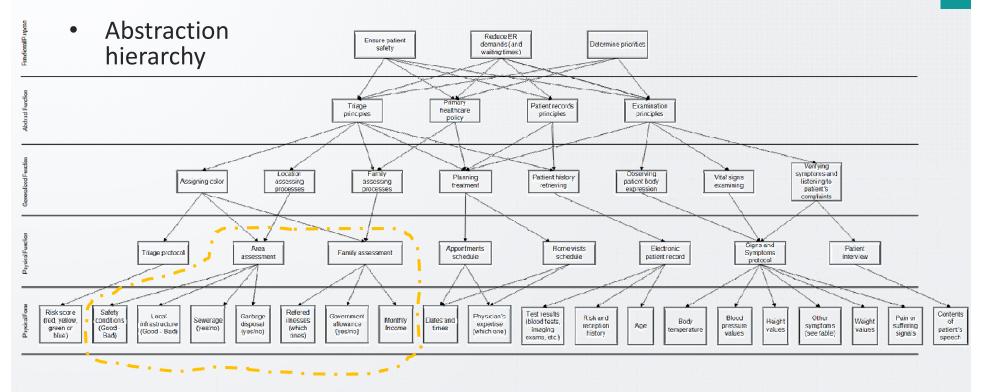


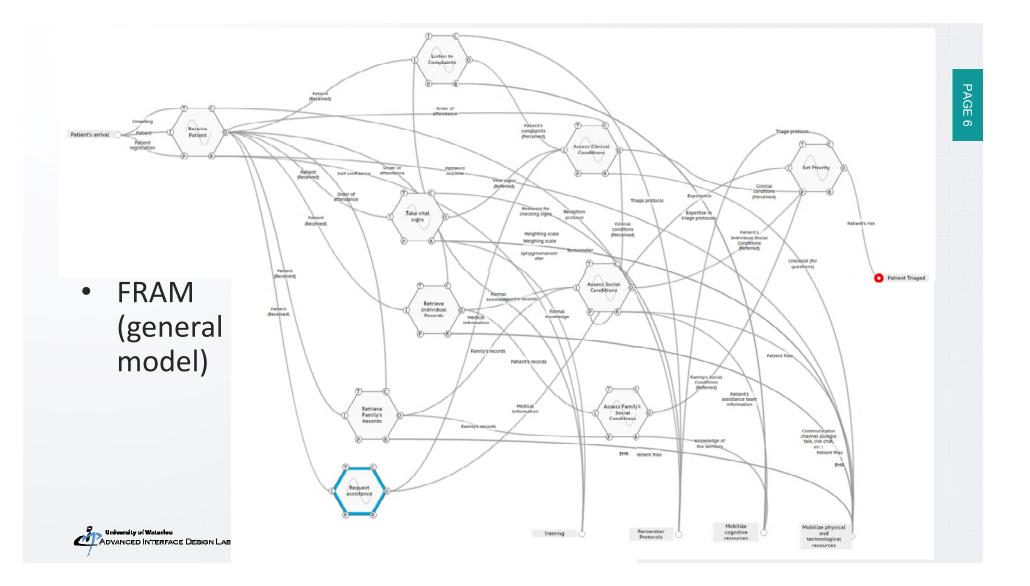
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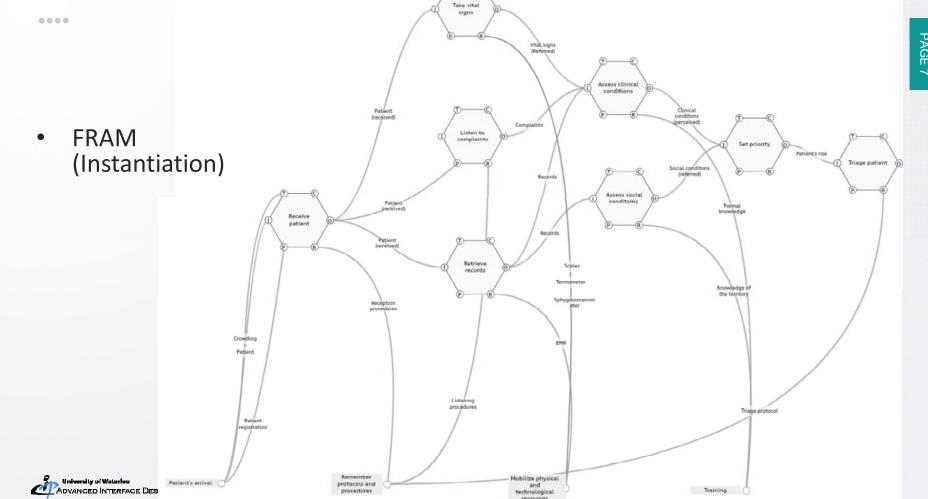


Modelling patient triage





Training



Reflections

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- As expected, Abstraction Hierarchy and FRAM turn out to be complementary approaches.
 It is not possible to rely solely on AH to build a FRAM model
- **Abstraction Hierarchy enabled** the identification of a contrast between **technical criteria** and **context-based heuristics** in patient triage carried out within primary health care
- Abstraction Hierarchy contributed to both prospective and retrospective FRAM analysis.
 - For the FRAM general model, the AH shed light on additional potential couplings between functions
 - For instantiations, the AH helped to understand how incomplete triage can degrade into bad outcomes
- FRAM analysis shows that some functions might not be available when the triage is
 carried out, specially because the community health workers do not have all the necessary
 resources to activate all functions that are necessary for a complete assessment as shown
 in the abstraction hierarchy.

PADVANCED INTERFACE DESIGN LAB

















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