

AnamneVis: A Framework for the Visualization of **Patient History and Medical Diagnostics Chains** Zhiyuan Zhang¹, Faisal Ahmed¹, Arunesh Mittal¹, IV Ramakrishnan¹, Rong Zhao¹, Asa Viccellio² and Klaus Mueller¹

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System Overview





interactively by their expertise.

- focuses more on the hierarchy information represented in the medical codes and serves as an illustration of the complexity of a sub-system and its composition

The 5W Scheme

WHO and **WHAT** : the patient and the history, in terms of symptoms, tests and results, diagnosis, treatments and medications, etc. Encoded by ICD, ICD-procedure.

WHERE : locations (when appropriate) of the **WHAT** on the human body.

WHEN, WHY and HOW : show a case under (doctor) collaborative diagnosis/treatment, or an entire life span. Demonstrate for each node what, when, why, and how that node appears.

For more information visit http://www.cs.sunysb.edu/~mueller

Identify the 5W's Information Extraction Natural Language Processing Engine (cTake) + Online Medical Ontology Server(SNOMED) Extract structured information and relationships. Formats the extraction results into the 5W model Passes it on to the visualization engine.

We thank Flare for providing the visualization toolkit.