Health Care Privacy Scenario

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Consider a health care scenario involving the privacy of patient's protected health information.

Alice, a sick child, is admitted to Hospital HOS-X. Hospitals are bound by law to keep their patient's electronic health records (EHR) private. Therefore, Bob, the physician treating Alice must not publish her protected health information (PHI) online. However, Bob may share Alice's PHI with Charlie, a colleague to get an expert opinion. Moreover, Bob may also share Alice's PHI with Alice's family when there is an emergency.

Deliverables

Your task is to carefully read and think of the nuances in the given scenario. Follow the methodology tutorial given to you, and

- write down the subscenarios you have identified;

- following the steps in the Designing Normative Model section in the tutorial, write the corresponding norms in the format normName: $\mathsf{C}/\mathsf{A}/\mathsf{P}(subject, object, ant, con)$;

- identify possible conflicts;

- resolve conflicts by capturing contextual preferences; and

- design state transition diagrams that cover all possibilities