Health Care Privacy Scenario

Özgür Kafalı

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

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

Agents

PHYSICIAN, PATIENT, HOSPITAL

Propositions

$true, emergency, patient\_visit, access\_ehr, publish\_phi\_online,$
$share\_phi\_colleague, share\_phi\_family$

Deliverables

- Identify the natural language requirements for the scenario

- Refine the following norms using the above agents and propositions to satisfy the identified requirements for the scenario

P(PHYSICIAN, HOSPITAL, $true, publish\_phi\_online$ OR $share\_phi\_colleague$)
A(PHYSICIAN, HOSPITAL, $true, share\_phi\_family$)