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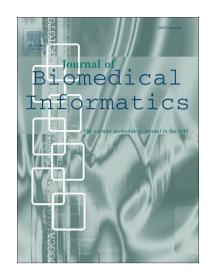
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Data Standards for Interoperability of Care Team Information to Support Care Coordination of Complex Pediatric Patients

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ABSTRACT

Objective: Seamless access to information about the individuals and organizations involved in the care of a specific patient ("care teams") is crucial to effective and efficient care coordination. This is especially true for vulnerable and complex patient populations such as pediatric patients with special needs. Despite wide adoption of electronic health records (EHR), current EHR systems do not adequately support the visualization and management of care teams within and across health care organizations. Electronic health information exchange has the potential to address this issue. In the present study, we assessed the adequacy of available health information exchange data standards to support the information needs related to care coordination of complex pediatric patients.

Methods: We derived data elements from the information needs of clinicians and parents to support patient care teams; and mapped them to data elements in the Health Level Seven (HL7) Consolidated Clinical Document Architecture (C-CDA) standard and in the HL7 Fast Healthcare Interoperability Resources (FHIR) standard. We also identified additional C-CDA data elements and FHIR resources that include patients' care team members.

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