

Track HIPAA protected patient health assessment and related patient education and activities/behaviors

Use case title: Track HIPAA protected patient health assessment and related patient education and activities/behaviors

Author

Organization

ID	XIG-130
Title	Track HIPAA protected patient health assessment and related patient education and activities/behaviors
Actors	<p>Patient</p> <p>Health assessment application</p> <p>Health tracking application (an application that tracks health related events, behaviors, or metrics. this could include blood pressure tracking, exercise tracking, seizure tracking, etc.)</p> <p>Instructional system</p> <p>LRS</p>
Trigger event	The patient choses to engage in a personalized program of health assessment and education.
Sucess end condition	The learner's activities in the personalized program are tracked along with some health data.
Assumptions	<p>There is a HIPAA-compliant pathway for health data and health assessment data.</p> <p>The patient is identified to the health assessment application, health tracking application, and instructional system.</p> <p>The health assessment application, health tracking application, and instructional system are capable of generating XAPI messages to the LRS in a secure fashion.</p> <p>The LRS is secure.</p>
Description	<p>The patient takes a health assessment on a secure system.</p> <p>The health assessment application sends the patient's responses to the LRS.</p> <p>The health assessment recommends specific patient education and health tracking application(s) based on the health assessment.</p> <p>OR</p> <p>The health assessment contacts the patient's clinician with a set of recommendations and allows the clinician to modify those recommendations.</p> <p>The patient takes the recommended patient education.</p> <p>The instructional system sends data about the learner's participation in the education to the LRS (see XIG-10).</p> <p>The patient uses a health tracking application, entering data or allowing the application to produce health metrics.</p> <p>The health tracking application sends health data to the LRS (could it be an HL7 attachment? are there other ways of integrating existing standards? or would it be better to join with a personal health record/personal view of the health record like Epic MyChart?).</p> <p>A predictive analytics system uses data from the LRS and any linked health data to ... further educate, alert the physician, alert the patient...</p>
Transaction	<p>The health assessment application sends the patient's responses to the LRS.</p> <p>The instructional system sends data about the learner's participation in the education to the LRS (see XIG-10).</p> <p>The health tracking application sends health data to the LRS.</p>
Exceptions	<p>Security of patient data could be compromised if there are security lapses.</p> <p>The instructional system is not able to send the message to the LRS; access is denied.</p> <p>There could be problems identifying the learner across the different systems, which could produce multiple learner records.</p>
Potential Standards	<p>XAPI</p> <p>HL7</p>

