Aggregate Data Exchange (ADX) Profile

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Background

Problem addressed
• Aggregate health data for routine reporting is used in most countries in the world.
• Increasingly, electronic data systems are adopted to manage health data. But …
  • Routine reports printed and re-entered manually into another system.
  • No widely adopted standard of formatting and exchanging aggregate data.
  • Aggregate data exchange exists in ad-hoc or use of de-facto methods

Value proposition
• Can meet reporting requirements in resource and technologically diverse settings.
• ADX is a significant step forward in providing a standards based profile for aggregate health information data flow to.
  • Support the health workflows for local, national and international use.
  • Support electronic reporting to improve on the slow, labor intensive and error prone manual process.
Technical solution

DSD spec

Content Data Structure Creator

ADX-conformant Message Schema

Content Creator

ADX schema-conformant Messages

Content Consumer
ADX Use Cases Adapted

Routine reporting of indicator data from electronic medical record systems

Reporting indicator data from national HMIS to global data repositories (reporting to WHO by countries)
Validation of ADX messages

- Structure and content of ADX data messages can be validated using schemas derived from the ADX compliant DSD.
  - W3C XML schema definition
  - an ISO Schematron schema

Transport specification

- The ADX POST Content is implemented as an HTTP request using the POST method as specified in RFC2616
Thank You