HL7 Activities w/ Other SDO’s – Device Connectivity

2010.01.17, Phoenix, Arizona

HL7 Health Care Devices – Co-Chairs:
   Todd Cooper
   Melvin Reynolds
Successful Device Connectivity Coordination!

✓ ISO TC215 / IEEE 11073 Standards
  – Terminology & Data Model (11073-10101 & -10201)
  – Personal Health Device Projects (ISO/IEEE 11073-104xx)

✓ IHE Patient Care Device Profiles
  ➤ HL7 v2 Messaging w/ 11073 semantic content…
  – Device-Enterprise Communication
  – Alarm Communication Management
  – Point-of-care Infusion Verification (5 Rights Data to pumps)
  – Waveform Communication Management
Successful Device Connectivity Coordination!

- **U.S. / ONC / HITSP**
  - HITSP/IS77 Remote Monitoring (HL7 PHM CDA Report)
  - HITSP/TN905 Device Connectivity Technical Note (incl. HL7 version 2 messaging & v3 mapping + CDA templates)

- **Continua Health Alliance**
  - Personal Health Monitoring Report CDA
  - “WAN” interface spec. for HITSP/RMON Interface #2 (uses IHE PCD payload w/ IEEE 11073 semantics)

- **IHTSDO Coordination**
  - MoU w/ IEEE for 11073 terminology mapping to SNOMED CT
  - Enables support of 11073 + SCT in CDA documents
Help Wanted! Needed coordination support…

- HL7 Version 3 Support
  - Need a normative mapping from 11073 semantics to RIM
  - Must maintain device safety net / informatic risk mitigations

- CDA Template for Medical Device Data
  - Consistent representation of device acquired information

- Potential Projects Under Discussion
  - Anesthesia Record (w/ GAS)
  - Detailed Clinical Records (DCM) for Devices
  - …