"The membership of the AACC's POCT Division has made it clear that an effective connectivity standard for POC devices is its highest priority."

- Emery Stephans, Chair, Industrial Liaison Committee, AACC POCT Division

## Goal

To produce a standards-based connectivity solution that will ultimately be transferred to a chartered standards-maintenance organization.

## Objective

To enable the seamless exhange of information between point-of-care devices, data management software and laboratory information systems.

"A uniform standard, designed jointly by users and vendors will help to make the development of more sophisticated POC systems economically feasible."

- Dirk Boecker, MD, PhD of Agilent Technologies

### **Core Members**

**Abbott Laboratories Agilent Technologies AVL Scientific Bayer Diagnostics** Instrumentation Laboratory LifeScan/OCD **Medical Automation Systems** Radiometer Medical **Roche Diagnostics** Sunquest

### **Supporting Members**

**Abaxis Avocet Medical** Cerner Citation Computer Systems **GE Marquette Medical Systems** HemoCue HemoSense i-STAT ITC **InterComponentWare** Medtronic Motorola Pharmacia & Upjohn **STC Technologies** Sigma Diagnostics Telcor

**VIA Medical** 

### **Core Providers**

Banner Health System **Bradford Royal Infirmary** Geisinger Medical System Johns Hopkins Medical Institutions Kaiser Permanente Mayo Clinic The Mount Sinai Hospital Profil GmbH St Vincent Mercy Medical Center University of Iowa Healthcare

#### Individual Providers

Maurice Green, PhD Neil Halpern, MD LTC Forrest Kneisel Gerald Kost, MD, PhD Petrie Rainey, MD, PhD

### **Liaison Organizations**

**AACC** CAP **COLA** IFCC Scientific Division

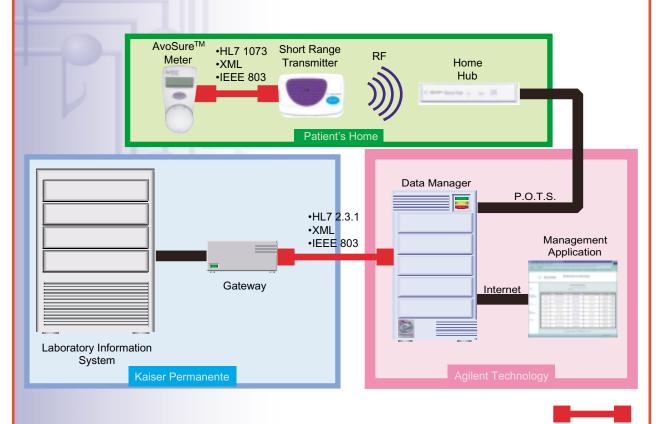
## **CIC Pilot Project**

## **Description**

Integration of home monitoring for anticoagulation therapy

## **Participants**

Agilent Technologies
CPAS Kaiser Permanente, Denver
Avocet Medical Incorporated



### **One Year Timeline**

CIC Launch Event
Tucson, AZ
San Francisco, CA
Dusseldorf

Tucson, AZ
Apr May Jun Ju Aug Sep Oct Nov Dec Jan

♦
HIMSS
Dallas, TX

HL7 Working Groups Clo St. Louis, MO TB

CIC Sunset

Feb

## **Architecture Proposal**

POC Devices

Dock
Con
Termi

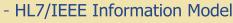
Docking Stations, Concentrators, Terminal Servers, POC Data Managers



LIS, CDR, ADT, HIS

# **Device Communication Interface**

Observation Reporting Interface



- HL7 V2.X Abstract Syntax
- XML Encoding
- Point-to-Point
- Cabled or Optical
- Intermittent Connection Use Model
- Multi-Analyte, Multi-Device
- Partial Message Attribution
- Leverage IEEE 1073.3.2 (MIB)

- Tied to site LAN infrastructure
- Point-to-Point, TCP/IP or -
- Multi-Point, Message Queuing
- Multi-Analyte, Multi-Device
- Full Message Attribution
- Leverage IEEE 803.x

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