KNOWLEDGE MANAGEMENT FRAMEWORK

AN HSPC SERVICES PLATFORM FOR REAL TIME DECISION SUPPORT

HIMSS 2017

Cognitive Medical Systems

HEALTH SERVICES PLATFORM CONSORTIUM

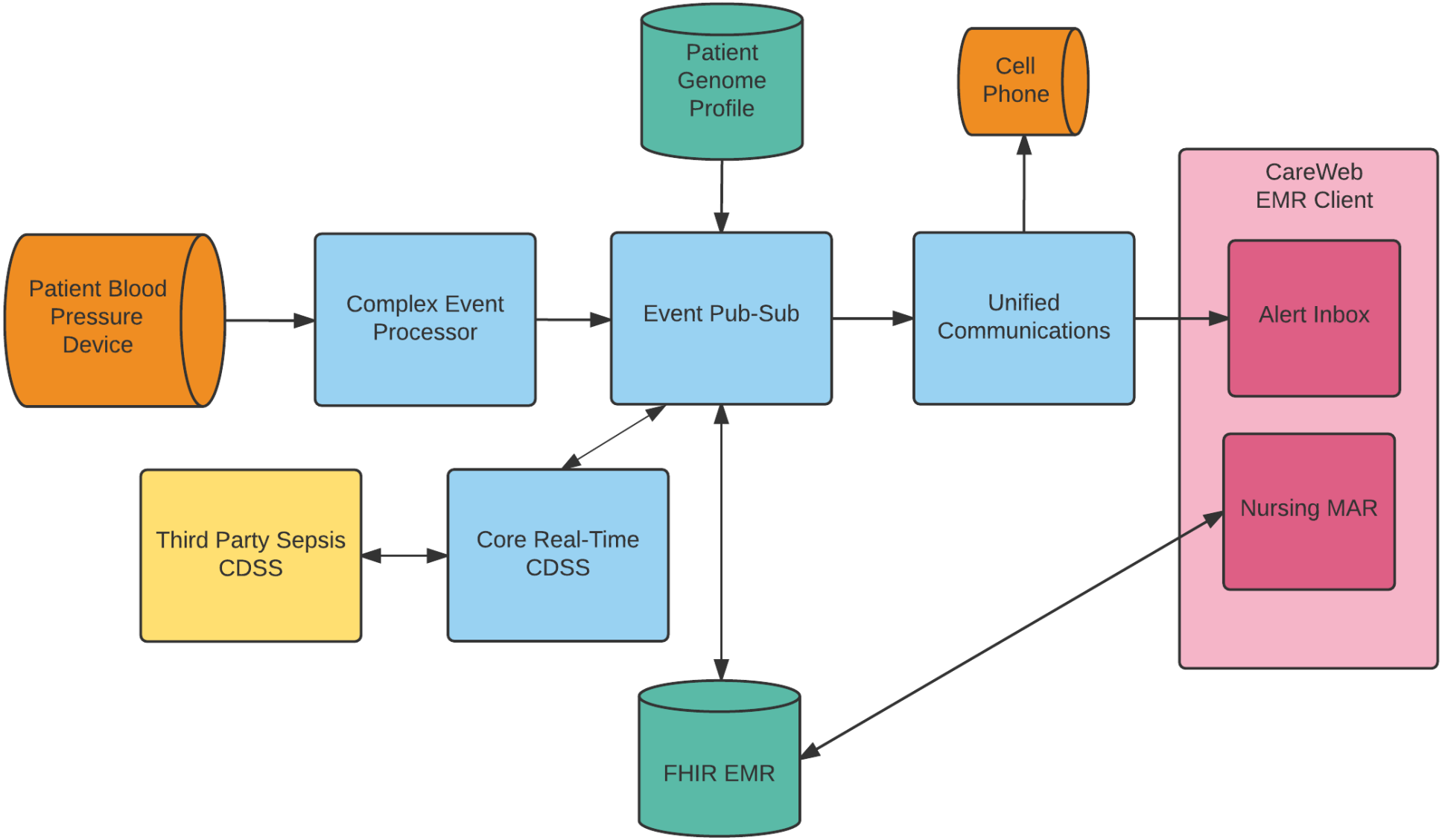
- Advocates for standards-based services, data models, and open architecture.
- HL7, OMG, IHTSDO and others have established a foundation for a services platform capable of solving real-world clinical problems today.
- CDS demonstrations illustrate how open architecture and collaborative research can make advanced cognitive support at the bedside a reality.

HL7 STANDARDS UTILIZED IN THIS HSPC DEMO

This knowledge management framework leverages:

- HL7 Fast Healthcare Interoperability Resources [FHIR]
- HL7 Decision Support Service [DSS]
- HL7 Unified Communications [UCOM]
- HL7 Event Publish & Subscribe [EPS]
- HL7 FHIR Consent Directives
- HL7 Security Labels/Privacy Tags
- Devices on FHIR
- Many others.....

DEMONSTRATION #1 COMPONENTS



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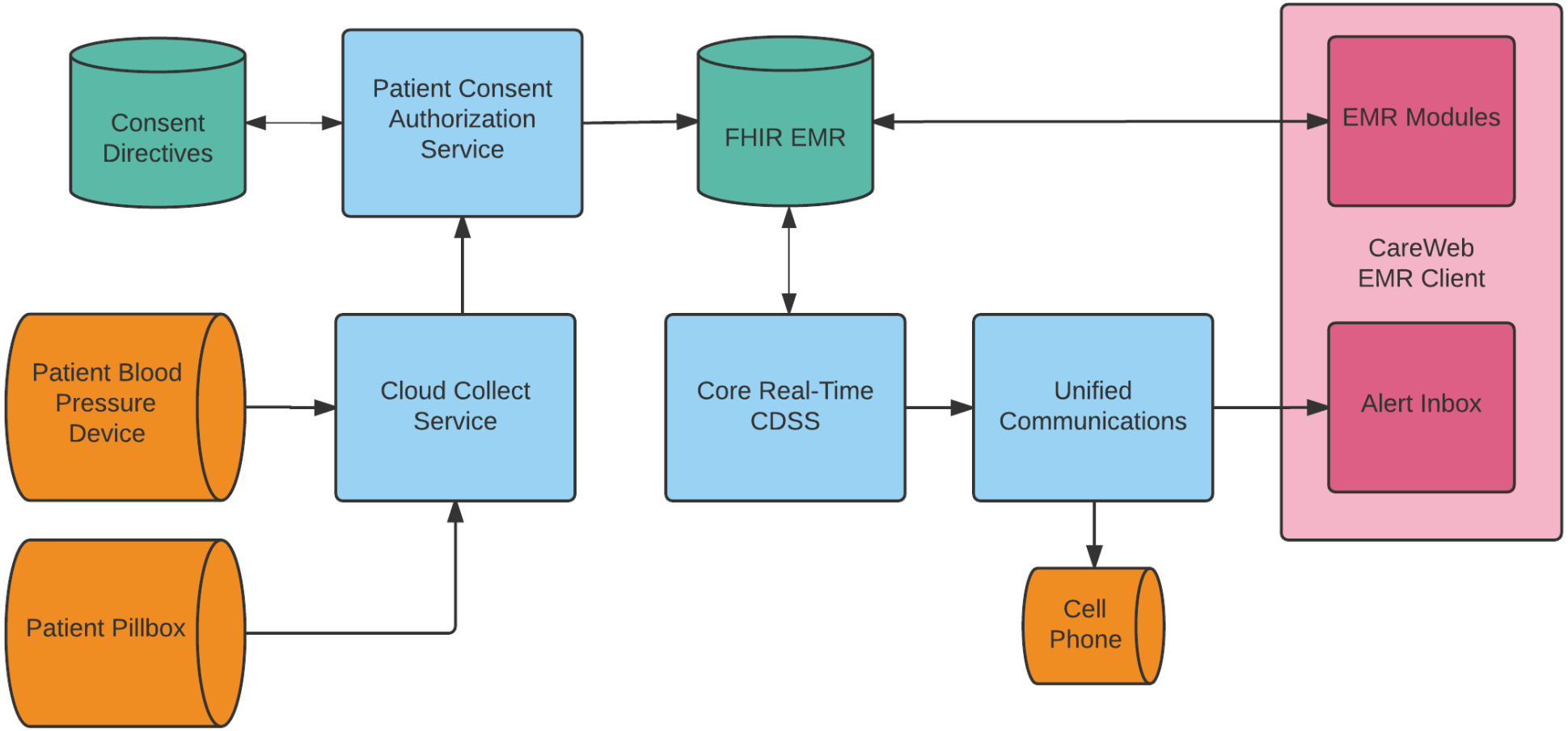

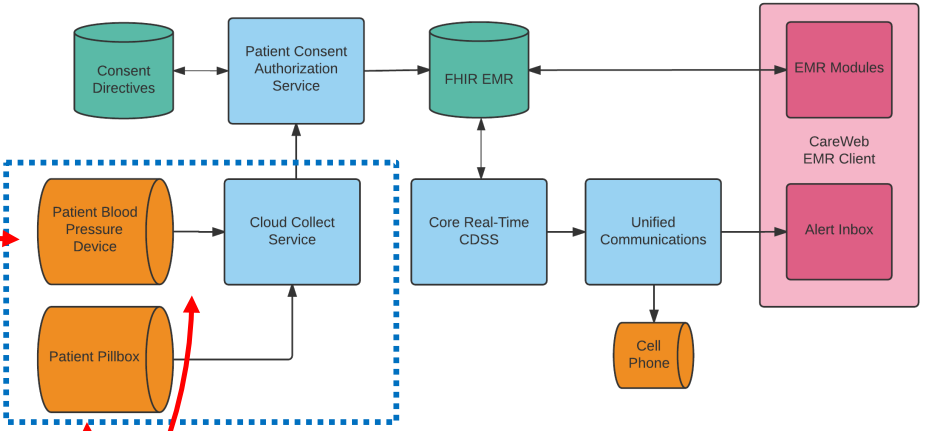

Philips Gateway

CONCLUSION….

- Existing services, data models, and architecture can be used to establish a standards-based SOA platform
- HL7 standards can be leveraged to make very sophisticated capabilities a bedside reality.
- Encouragement for our Federal Partners to contribute even more in standards development organizations and to expect better standards-compliance from its technology vendors.
- Both are critical to developing truly interoperable systems and the modern, robust knowledge management ecosystem upon which healthcare will increasingly rely.