Phoenix Children's Hospital/ dbMotion Agent

/Success Story

Phoenix Children's Hospital is a 433-bed comprehensive pediatric specialty hospital serving Arizona and the Southwest Region of the U.S. As one of the largest children's hospitals in the country, PCH provides care across more than 75 pediatric specialties.

World-class pediatric care deserves world-class interoperability

Phoenix Children's Hospital's world-class inpatient, outpatient, trauma emergency and urgent care delivery makes it Arizona's only children's hospital recognized by U.S. News & World Report's Best Children's Hospitals.

PCH sees among the most complex pediatric cases in Arizona and in the U.S. Southwest. Infants needing specialty care are transferred to PCH after being born at other hospitals. Children may be treated by providers elsewhere and later transferred to PCH for increasing medical needs. Lastly, patients may be seen at other facilities and later re-present to PCH for evaluation.

But information flows seamlessly from those many other systems into PCH's Allscripts Sunrise™ EHR thanks to interoperability solution dbMotion™ Agent Hub.

For PCH's General Pediatric Clinic, which sees newborns for their follow-up visits, knowing birth weights and lab results a day ahead of clinic appointments is necessary for a complete understanding of their tiny patients' needs. It's also potentially life-saving information.

Allscripts®
All *possible*

What's more, the information enables clinic physicians to make critical decisions at the point of care that avoid unnecessary, repeat diagnostic tests. This also relieve parents of the burden of duplicate trips to the clinic.

Allscripts dbMotion Agent Hub identifies clinical information residing in outside systems and delivers it directly into the point-of-care workflow. Only changes in information are brought into the medical record, and through dbMotion, the solution is able to organize and harmonize clinical data to provide clinicians with integrated data and detailed insights that improve the accuracy of risk scores and access to information that promotes an appropriate and timely response within the workflow.

"Before dbMotion, if we wanted to review prior medical records from an outside clinic or hospital, there was no way you could do it quickly. We would fax back and forth to get medical records," Clarke said. "This is in the moment. I log in. I see new information is there, and I can review the records and make a decision about the next steps in the medical plan for the patient. It's amazing. We're huge fans of dbMotion so I'm happy to share that news with others."

Rave reviews from clinicians

The hospital completed its upgrade to dbMotion v17.1 in the summer of 2019, which included dbMotion Agent Hub. The response from the 2,700 clinician users – physicians, medical assistants and nurses – has been nothing short of spectacular, Clarke said.

"Providers have all had phenomenal feedback. Our general pediatrics clinic has been our biggest user and has the most positive feedback," she said. Other areas making use of dbMotion include the Emergency Department, the Orthopedic Clinic, the Surgery Clinic and the Urology Clinic.

"It's so important to have that information in advance. It allows the clinicians to make plans for the next steps in medical evaluation in real time. That is a huge improvement to the workflow," she said.

Avoiding unnecessary tests

dbMotion Agent enables PCH to avoid harm to patients by allowing physicians to quickly review when radiological tests have been performed recently on patients. A large study recently revealed that high-dose radiation from CT scans puts younger patients, especially girls, at a higher risk of developing cancer later.

"CT scans come with a lot of radiation, and there's more awareness now especially for children about cumulative lifetime radiation risk. If you have the ability to review the CT scan report and potentially avoid repeating that study, that saves the patient another exposure to radiation. That's a huge patient safety benefit," Clarke said.

Phoenix Children's has six Centers of Excellence, and providers in these areas use dbMotion Agent:

- Barrow Neurological Institute at Phoenix Children's Hospital
- Phoenix Children's Heart Center
- Center for Pediatric Orthopedics
- Center for Cancer and Blood Disorders
- Pediatric Level One Trauma
- Neonatal Intensive Care

Timeline of dbMotion projects at PCH

- **2014:** PCH started dbMotion project
- **2016:** PCH added bi-directional integration with Arizona's HIE to give providers access to external community patient information, Problems, Allergies, Medications, Immunizations, Vitals
- **2019:** PCH upgraded from v5.3 to dbM v17.1, EMPI v11.6 and implemented Symedical Vocabulary Management tool
- dbMotion is hosted locally by PCH, which handled hardware and local connections, certificates
- Sunrise Clinical Manager is remote hosted by Allscripts, which handled connections and dbMotion Agent deployment with Citrix

ALLSCRIPTS SOLUTIONS

- Sunrise™ Acute Care
  - CPOE
  - eMAR
  - ePrescribe
  - Facility Board
  - IMO
  - Inbox
  - Knowledge Based Charting
  - Knowledge Based Medication Administration
  - Objects Plus
  - Order Reconciliation
  - RxWriter
  - Secure Health Messaging
  - Signature Manager
  - Structured Notes
  - Aware Notes
  - Wellness Manager
  - Device Interfaces
- Sunrise™ Ambulatory Care
  - Wellness Manager
- Sunrise™ Emergency Care
- Sunrise™ Pharmacy
- Sunrise™ Radiology
- Sunrise™ Enterprise Registration
- Sunrise™ Enterprise Scheduling
- Patient Financial Manager™
- Allscripts EPSi™
  - Productivity Manager
  - Budget Manager
- dbMotion™ Solution
- dbMotion™ Agent Hub
- FollowMyHealth®
- M*Modal Fluency Direct
- CarePort™ Care Management™
- TeleTracking®—Transfer Manager
- TeleTracking®—PreAdmit Transfer
- Sunrise™ Mobile MD

Allscripts®
All *possible*

To learn more, visit www.allscripts.com