Clinical Informatics Support for Research, Education, and Clinical Care: What the Stanford Children’s Clinical Informatics Team Can Do For You!

Dept of Pediatrics Faculty Meeting
January 20, 2022
Natalie Pageler MD, Whitney Chadwick MD, & Arash Anoshiravani MD
Overview

- Teaching you Ninja EHR Skills
- MacGyvering Our Systems
- 2 for the Price of 1 – QI & Career Development
- Facilitating a Learning Health System – Research Informatics Support
Teaching You Ninja EHR Skills
Provider Informatics Training Team

- Dedicated provider training squad to help with Epic efficiency and smoother onboarding.

- 4 types of training sessions with a flexible schedule
  - Offered in 1–2-hour sessions, Individual/Group

- Contact Epicprovidertraining@stanfordchildrens.org or team leader, Rohita Kandula (rkandula@stanfordchildrens.org)
Provider Informatics Training Team

Go to epic.stanfordchildrens.org, select “Training / Provider Training & Support”

Provider Training and Support for Epic

Home for Dinner H4D/ Efficiency Training/ Refresher Training

What is Home for Dinner?
Your time is extremely valuable. With this in mind, we have created the H4D program to work directly with you to uniquely support your Stanford Children's Health Epic usage.

How it works?
First, tell us about yourself and your current experience with Epic. Based on your unique needs, we will focus our training to make the most efficient use of your time. Be prepared to schedule a 1-2 hours Zoom session with the Provider Training Specialist to work directly with you reviewing selected topics (pain points) to improve your efficiency using Epic. Follow Up sessions will be scheduled, if desired.

Tell us about yourself and your experience with Epic
To sign up for the Home for Dinner program and receive an individualized learning experience, please complete this form.
Request for H4D/Refresher Training

We are here to Help
It is the goal of the IS Provider Informatics Training Team to provide you with ongoing support. Please contact us by email, Epicprovidertraining@stanfordchildrens.org with any questions. Or you can call the Epic Help Desk (650-498-7500, Option 2) during business hours (8AM-5PM).

FAQ’s and Reference Documents
MacGyvering our Systems (with your input)
You helped do this:

- Best practice note template developed
- Inpatient influenza reminder over-alerting fixed
- Gender identity & pronouns reminder created
- COVID screening and vaccine workflows streamlined
- Child abuse screening enhanced
- Patient handoff adapted to ICU to OR transfers
- Electronic case request ordering adopted (Go GI Team!)
- Attestations & billing improved
- Premie Bilirecs – incorporated into Epic foundation
Getting Feedback to Us

- Use TicketSnap - on all SCH workstations and lets you send a secure screenshot to the service desk
- Contact the service desk by phone (650-498-7500), email (helpdesk@stanfordchildrens.org) or using the self-service portal on intranet
  - 809 “fix it” tickets by FPO providers in the past year!
- Submit feedback on your helpdesk tickets
• All feedback appreciated – the good, the bad, the ugly!
• All feedback is reviewed by the Clinical Decision Support Committee.
• Thank you! Whitney Chadwick; Travis Reece-Nguyen; Bill Kennedy; Terry Platchek; Fernando Okonski; Helen Pu; Amy Gallo; Peggy Han; Nicole Starace
Getting Feedback to Us

- Pediatric Resident Liaisons
- Interview / Shadowing by CI Fellows / IS Team/ Epic
- IS Provider Advisory Group
  - 1st Wed Feb, Apr, Jun, Sep, Nov 5:15-6:15pm
- Inpatient or Ambulatory Clinical Workflow Committees
  - 1st Wed every month 3–4pm
- MOC Part 4 Credit??
2 for the Price of 1: QI & Career Development
CI – QI Collaboration Opportunities

• Clinical Effectiveness Leadership Training (CELT)
  – Team based improvement training program, focused on developing improvement leaders
  – 8-hour class days, once every 2 weeks for total 10 sessions
  – November & May Cohorts

• Realizing Improvement through Team Empowerment (RITE)
  – Team based improvement training program, focused on supporting frontline teams in improvement efforts
  – 2-hour class days, once every 2 weeks for total 10 sessions
  – November & May Cohorts

• Recent CELT/RITE projects
  – PICU early mobilization
  – Golden Hour care for Pediatric Sepsis
  – Neonatal Jaundice
  – PICU to acute care transfers
  – Standardizing Tetralogy of Fallot perioperative care

Application for May 2022 cycle; Due February 11.
CI – QI Collaboration Opportunities

• Value Improvement Program (VIP)
  – Provides infrastructure & resources for faculty to lead major improvement projects
  – Spring/Fall cycles

• Clinical Data Registry Program
  – Provides centralized coordinated approach to application, setup and ongoing evaluation of clinical data registries to improve patient care outcomes

• Recent VIP projects
  – General Pediatrics Schedule-Based Rounds
  – Antibiotic Time Out
  – Dextrose Gel for Neonatal Hypoglycemia
  – Blood Transfusion Recommendations Implementation
  – Vanco per Pharmacy

VIP webpage
CI – QI Collaboration Opportunities

• Packard Clinical Pathway Program
  – Provides infrastructure & resources for clinical pathway development to support inpatient care at LPCH

• Recently published Pathways
  – Prolonged Fever & Neutropenia
  – Acute care High Flow Nasal Cannula
  – Inhaled Nitric Oxide
  – Aortic Arch Watch
  – Diabetic Ketoacidosis
  – Acute Asthma Exacerbation
  – Neonatal Hypoglycemia
  – Diabetes Insipidus
  – Sepsis Management
  – Prolonged Antibiotic Infusions
Facilitating a Learning Health System: Research Informatics Support
Clinical Research Support Office

Clinical Research Support Office (CRSO)

Karl Sylvester
CRSO Director

Alyson Falwell
Research Operations

Sijo Thomas
Research Informatics
CRSO Resources

https://med.stanford.edu/mchri/crsocrsoreources.html

The Clinical Research Support Office (CRSO) provides operational, informatics, regulatory, and other needed support for the execution of studies at Stanford Children’s Health.

Stanford Children’s Health Clinical Research Intake Portal
- Stanford Children’s Health Clinical Research Intake Form
Welcome to the Stanford Children's Health Clinical Research Intake Portal.

This portal supports the intake of new clinical and translational research studies that will take place in whole or in part at Stanford Children's Health (SCH).

WHAT: Any clinical or translational research study that will take place in SCH inpatient or outpatient space, or use any hospital services (Pharmacy, Radiology, etc).

WHEN: Prior to IRB submission and execution of the study budget or contract. For grant-funded projects, this intake should ideally be completed before the grant application and budget are finalized and submitted to the funder.

WHO: The Principal Investigator or any member of the study staff may submit a study to the intake portal. MCHRI
Clinical Research Informatics

- Navigating analytics requests
- Chart review options for research
- Epic research module training
- Research billing
- Patient recruitment
- Collaboration with SOM to get data to STARR
- IS estimates for grant preparation

Sijo Thomas, RN, MSN, MBA
Clinical Research Informatics Manager, Stanford Children’s Health
SiThomas@stanfordchildrens.org

Tricia Ning
Clinical Research Systems Analyst, Stanford Children’s Health
TNing@stanfordchildrens.org
<table>
<thead>
<tr>
<th>Epic EMR Research Functionalities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recruitment (Pt Portal)</strong></td>
</tr>
<tr>
<td><strong>Recruitment BPA’s</strong></td>
</tr>
<tr>
<td><strong>Appointment Notifications</strong></td>
</tr>
<tr>
<td><strong>Appointment cancellation notifications</strong></td>
</tr>
<tr>
<td><strong>Appointment notes</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Study Notification to Patients through MyChart

Child Wellness Hair Study

Principal Investigator
Kanwaljeet Singh Anand, MBBS

Study Coordinators
Katherine Connors
JOHN MAUL
GRACE HUNG

Description
Dear parents of Stan Prodist-Epic

We are excited to tell you about a new research study for children. We are looking to partner with parents who have children that are between 9 months and 6 years old.

Name of Project:
Child Wellness Hair Study

What we are trying to do:
This study aims to learn more about stress in young, healthy children. We hope to understand more about common stress hormones like cortisol and oxytocin. And, if these hormones can be measured in hair.

Who is in charge of the project:
Dr. Sunny Anand will be in charge of this project. Dr. Anand is a Professor in the Department of Pediatrics at Stanford Medicine. His team has worked with more than 180 local families since 2017. He is very excited to continue to partner with families and individuals like you.
Questions / Comments / Ideas?

npageler@stanford.edu  wchadwic@stanford.edu  anoshara@stanford.edu