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ROTATION SUMMARY
INFORMATICS ELECTIVE

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Rotation Contacts and Scheduling Details
Rotation Director: **Lindsay Stevens, MD, FAAP**
Clinical Assistant Professor of Pediatrics, Stanford University School of Medicine
Medical Director, Clinical Informatics, Lucile Packard Children's Hospital

lindsay.stevens@stanford.edu
Office phone: 650.498.8641
Office Address: 4100 Bohannon Drive, Menlo Park

To set up elective: Contact the chief residents and Lindsay Stevens at least one month in advance to arrange the elective.

Positions Available: 2 residents

Length of Rotation: 2-4 weeks

Preferred Level of Training: No preference. This elective may be repeated during subsequent years to further develop one's project/research or tackle a new project.

Months Rotation Offered: The Clinical Informatics MD team must be available to facilitate the rotation; contact Dr. Stevens directly to confirm the elective is offered during your desired dates.

Introduction
Providing safe and high quality health care extends beyond direct patient care to the technology supporting this care. As the health care system and medicine itself has become increasingly complex, the role technology plays in streamlining efficiencies and providing safeguards has grown.

Stanford is a leader in the field of clinical informatics. With the implementation of the electronic medical record, computerized physician order entry, order sets, and medication safety measures, outcomes have improved in multiple areas including clinical, regulatory, financial, research, and operations.

This elective provides residents an opportunity to explore the integration of medicine and information technologies in an experiential manner by developing and completing a unique IT project. In doing so, residents will gain an understanding of the field of clinical informatics and the role it plays in the national effort to improve quality of care and eliminate medical errors. Additionally, residents will be exposed to topics including:
>   Electronic Health Record (EHR)
>   Computerized physician order entry (CPOE)
>   Clinical decision support (CDS) systems
>   Role of health IT in patient safety
>   Standardization of care using order sets, as well as:
>   Case-based learning on the web
>   Medical terminologies
>   Public health informatics
>   Bioinformatics

Residents will participate in a project, either standalone or as part of a scholarly concentration.
Potential ideas include but are not limited to:

- Researching, creating, and submitting evidence-based pediatric order sets
- Literature review of a topic in clinical informatics with subsequent presentation at morning report Implementing and
- evaluating evidence-based clinical decision support in the EHR
- Evaluating and implementing a workflow optimization in the EHR

Weekly Schedule

The resident will be expected to attend morning report, noon conference, continuity clinic and Pediatric Grand Rounds as usual. In addition, the resident will attend various informatics meetings and sessions throughout the Stanford Children's Information Services department, will meet with Dr. Stevens and other Clinical Informatics leaders to discuss informatics applications, will review pertinent literature, and will plan a small project.

Rotation Specifics

Orientation

Dr. Stevens will orient the resident at the beginning of the rotation. Contact her via email one week prior to the rotation to set up a specific time and date for this meeting. Specific project details and goals will be discussed.

To prepare for this rotation, the resident should review the rotation summary and conceptualize projects of interest.

Call Schedule

There are no call responsibilities associated with this elective. Residents should communicate any cross cover or jeapordy responsibilities to Dr. Stevens at the beginning of the rotation.

Resident Roles and Responsibilities

- Roles and responsibilities will be determined based on one's project and own clinical interest through collaboration with Dr. Stevens at the beginning of the rotation.
- Responsibilities include but are not limited to:
    o Attending scheduled meetings and reflecting on experiences
    o Reading assigned literature
    o Initiation of project

Evaluation and Feedback

At the completion of the rotation, Dr. Stevens will provide verbal feedback as well as written feedback in the form of a Medhub evaluation of a resident.