



University of California, San Francisco
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ENVIRONMENTAL HEALTH CURRICULUM FOR PEDIATRIC RESIDENTS

Overall goal of program design:

Create a comprehensive Environmental Health Curriculum which meets ACGME requirements, can be adapted to multiple sites, and can be administered by pediatricians who are not experts in EH.

| Goals | Method to teach | Method to measure |
|--|---|---|
| Broaden fund of EH knowledge | Didactic sessions, Home visits, neighborhood visits Programmed learning course (1 ½ hour) | Attends didactic sessions and participates In home visits and neighborhood visits Self assessment built in |
| Increase awareness of EH issues | Fact check exercise, home visits, neighborhood visits | Performs a home visit assessment, creates patient handout |
| Hands on learning about how EH affects patients | Home visit | Gives EH presentation, creates patient handout |
| Learn to give EH anticipatory guidance | Home visit, didactic sessions | Home visit assessment, participation in continuity clinic talks |
| Provide a community experience in EH | Neighborhood walk, visit to local site impacting environmental health | Gives EH presentation, creates patient handout., attends neighborhood walk, visits local site affecting EH. |
| Learn to take an EH history | Home visit, didactic sessions | Writes up home visit |
| Learn to critically evaluate and use EH resources | Fact check exercise | Gives EH presentation, writes up home visit |
| Learn what resources are available for EH information | Fact check exercise, home visit | Gives presentation of results of fact checking. |
| Encourage EH learning while residents are on inpatient rotations | EH Trivia | Participates in EH Trivia |

Description of Activities:

1. **Didactic sessions:** These will consist of grand Rounds, noon conference, morning conference, continuity clinic talks and web-based modules. Some of these will be cases with discussion points that can be led by the chief resident.
2. **Home visit:** Residents will find a patient in continuity clinic to visit at home. During the visit they will take an environmental health history and home inventory. This will be written up and placed in the patient's chart. Patients will be provided environmental health information and handouts as part of their participation. They will also receive additional information and recommendations from the provider in a follow-up visit.
3. **Neighborhood walk:** This exercise is site specific. Residents will take a walking tour through a local neighborhood. As they walk they will be guided to look for ways the environment affects children's health.
4. **Visit to local site impacting environmental health:** This is a site specific experience. At Oakland Children's this will be a visit to the Port of Oakland and meeting with an environmental indicators professional. This will be groups and may be collaborative with other nearby programs.
5. **Presentation to colleagues and patient handout:** Residents will pick a topic that arose during the home visit or neighborhood visit and explore that topic more thoroughly. They will also create a patient handout on that topic to provide to their clinic patients.
6. **Fact Check Exercise:** Residents will find a newspaper, magazine article, website, or blog about environmental health. They will then explore that topic in peer reviewed sources and evaluate the accuracy and completeness of the article they have chosen.
7. **Environmental Health Trivia:** Monthly trivia questions are posted in doctor's areas on the wards. Residents answer simple questions for small prizes.
8. **Programmed learning module:** Online 1 ½ hour CME course developed as an introduction to pediatric environmental health and the pediatric environmental health toolkit. A collaboration between the UCSF PEHSU, Physicians for Social Responsibility, and the CDC.