

P.E.D.R.O. Simulation Preceptor Guide

The P.E.D.R.O. simulation consists of a 3D hospital and conversation simulator and Web-based resources that you access with your browser. In this simulation, you will meet Pedro, a 13 year-old boy, and his family as they learn of his diagnosis of Type 2 Diabetes. In this simulated practice experience, you will complete the four steps of the Nutrition Care process for an inpatient and follow-up outpatient visit with Pedro, contribute in an inter-professional team meeting, and learn about billing and coding. While completing simulation, you will also gain real experience with professional practice resources: the Academy of Nutrition and Dietetics' Evidence Analysis Library (EAL) and Health Informatics Infrastructure (ANDHII) and the openEMR certified electronic health record.

With the aid of a preceptor to evaluate the results, this simulation is intended to contribute towards the supervised practice and competency requirements for Registered Dietitian Nutritionists. This guide includes administration instructions for the Web-based resources as well as information on the methods available for evaluating intern performance.

OpenEMRedu Administration

openEMR is a certified electronic medical record that interns use to gather information about their patient case. The OpenEMRedu interface is an administrative portal that allows you to create user accounts for your interns and grant them access to the case. Each intern is provided with an individual copy of the case study medical record, so they cannot view each others' work or make changes that would affect other interns.

Accessing OpenEMRedu

1. Visit <https://emr.eatrightfoundation.org>

OpenEMRedu

Commission on Dietetic Registration
eatright Academy of Nutrition and Dietetics

eatright Academy of Nutrition and Dietetics Foundation

You need to sign in or sign up before continuing. ✕

Sign in

Email

Password

Remember me

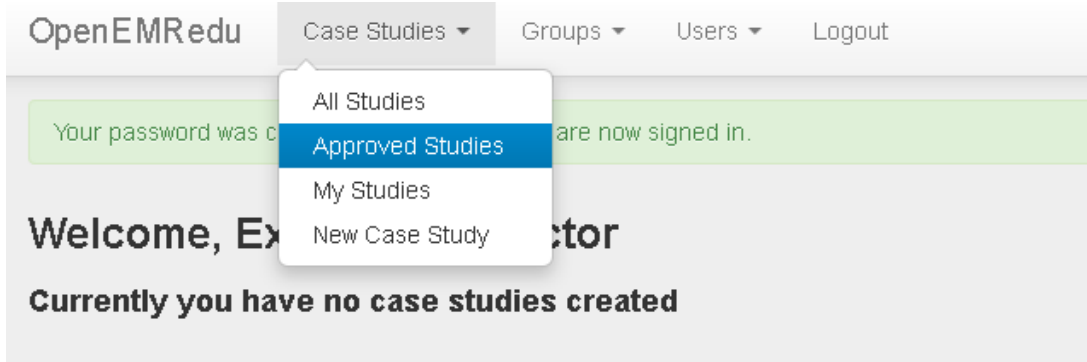
[Sign in](#)

[Forgot your password?](#)
[Didn't receive confirmation instructions?](#)

2. Login with your account credentials.
 If you do not have an instructor's account, contact openemredu@eatright.org to request one.

Creating Your Copy of the P.E.D.R.O. Case

1. Click Case Studies -> Approved Studies



2. Click "Copy" on row for the P.E.D.R.O. Simulation case study

The screenshot shows a table titled 'Listing Approved OpenEMRedu Case Studies'. The table has columns for 'Approved', 'Name', 'Description', 'Author', and 'Created'. The 'P.E.D.R.O. Simulation' row is highlighted, and the 'Copy' link in that row is underlined. The table also includes search filters and eye icons for each row.

| Approved | Name | Description | Author | Created | | | | | |
|----------|-----------------------------|---|---------------|------------|----------------------|--|--|--|---|
| ★ | Trauma | 25 year old woman in a motor vehicle accident | Patti Landers | 2014-12-10 | Copy | | | | 👁 |
| ★ | Pediatric - Cystic Fibrosis | | Patti Landers | 2014-09-04 | Copy | | | | 👁 |
| ★ | Stroke | Stroke | No author | 2013-09-25 | Copy | | | | 👁 |
| ★ | Pancreatitis | Pancreatitis | No author | 2013-09-26 | Copy | | | | 👁 |
| ★ | Heart Failure | Heart Failure | No author | 2013-09-26 | Copy | | | | 👁 |
| ★ | P.E.D.R.O Simulation | P.E.D.R.O Simulation Medical Record | Will Murphy | 2017-10-17 | Copy | | | | 👁 |

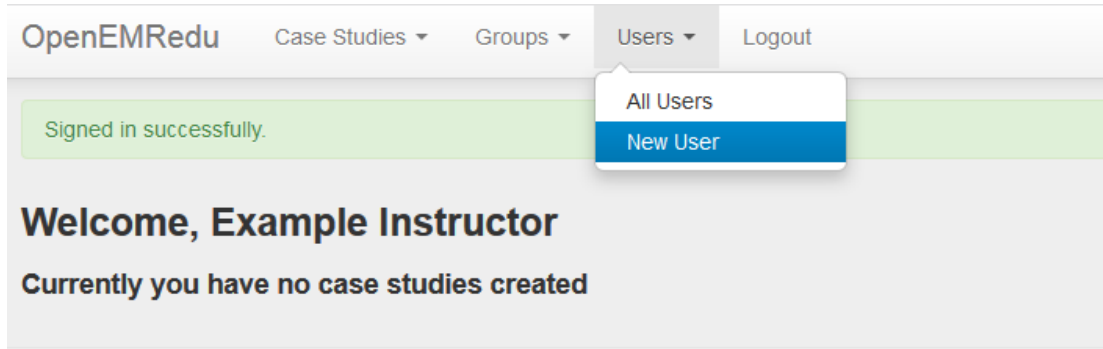
3. Give your copy a name and description and click "Copy Case Study"

You may grant shared access to additional instructors by clicking their name in the left-hand box

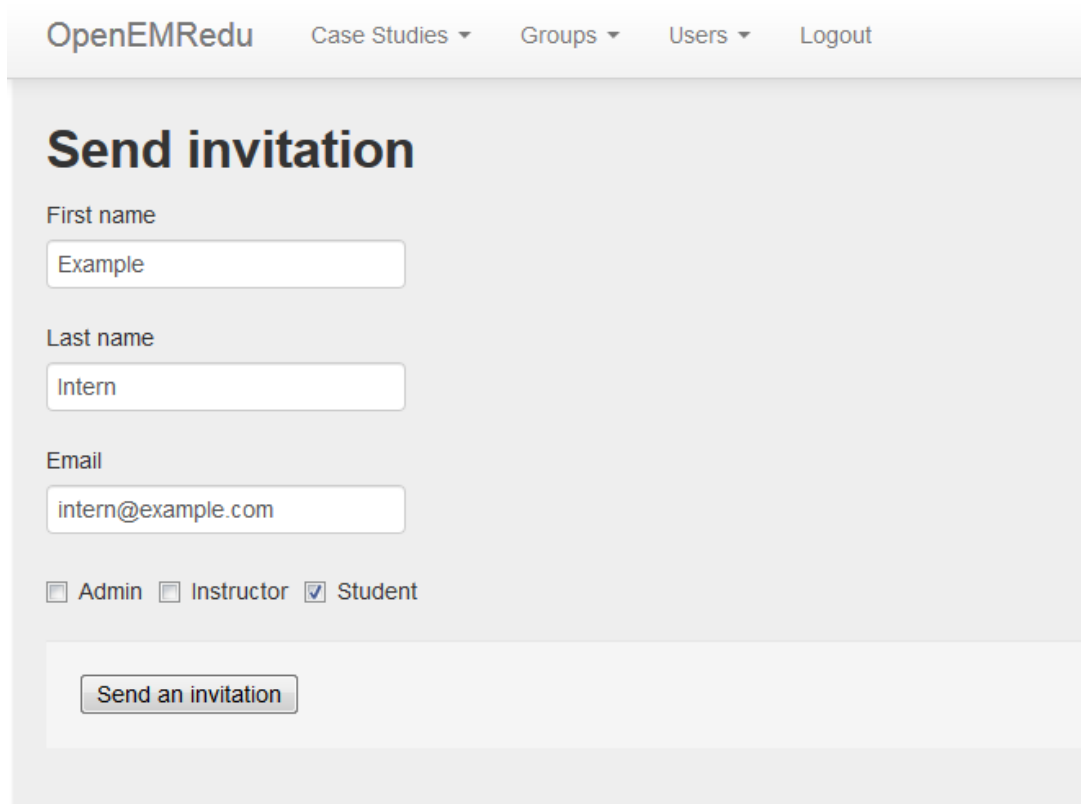
The screenshot shows the 'Copy OpenEMRedu Case Study' form. It includes input fields for 'Name' (containing 'P.E.D.R.O. Simulation') and 'Description' (containing 'Example Instructor's P.E.D.R.O. C...'). Below these are two member selection boxes. The left box, 'All Instructors/Administrators', shows a list of names including Default Admin, Jonathan Mullen, Patti Landers, Peggy Turner, Jonathan Mullen, and W. Murphy2. The right box, 'Selected Instructors/Administrators', shows 'Example Instructor'. A blue 'Copy Case Study' button is at the bottom.

Creating Intern User Accounts

1. Click Users -> New User



2. Enter the user information and click "Send an invitation"
Be sure to check the "Student" box to assign the correct permissions

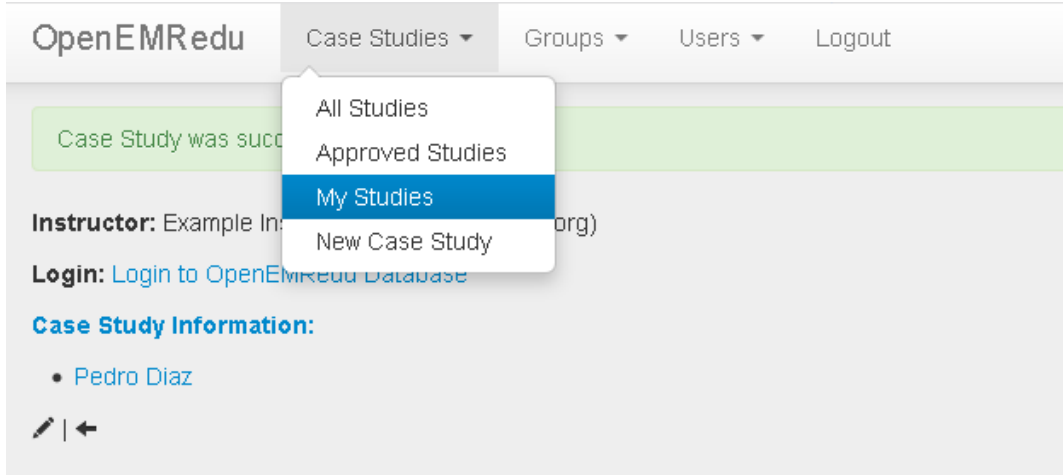


The screenshot shows the 'Send invitation' form in the OpenEMRedu application. The form is titled 'Send invitation' and contains the following fields and options:

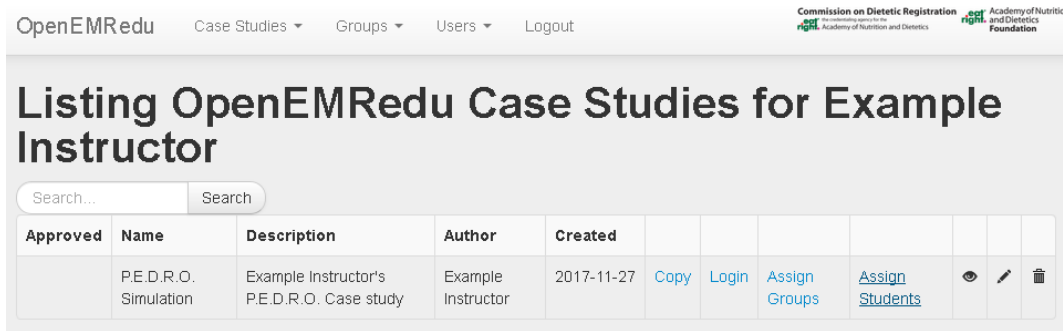
- First name:** A text input field containing the value 'Example'.
- Last name:** A text input field containing the value 'Intern'.
- Email:** A text input field containing the value 'intern@example.com'.
- Permissions:** Three radio button options: 'Admin', 'Instructor', and 'Student'. The 'Student' option is selected.
- Action:** A button labeled 'Send an invitation'.

Assigning Interns to the P.E.D.R.O. Case

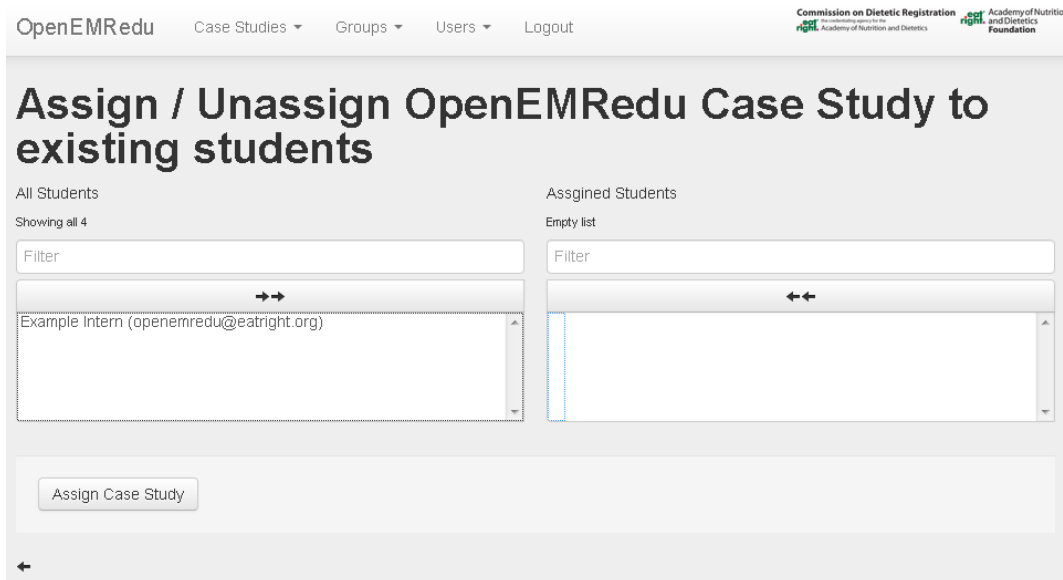
1. Click "Case Studies" -> "My Studies"



2. Click "Assign Students" on the row for your copy of the P.E.D.R.O. case



3. Click intern names in the left-hand box to move them to the right-hand box



4. Click “Assign Case Study”

Interns will receive an email alert with a link to the case study

The screenshot shows the OpenEMRedu web interface. At the top, there are navigation links: OpenEMRedu, Case Studies, Groups, Users, and Logout. On the right, there are logos for the Commission on Dietetic Registration and the Academy of Nutrition and Dietetics. The main heading is "Assign / Unassign OpenEMRedu Case Study to existing students". Below this, there are two columns: "All Students" (Showing all 3) and "Assigned Students" (Showing all 1). Each column has a "Filter" input field and a list box with a double-headed arrow. The "Assigned Students" list box contains one entry: "Example Intern (openemredu@eatright.org)". At the bottom, there is a button labeled "Assign Case Study".

Evaluation

This simulation includes two methods for evaluation of competency development: conversation logs and documentation in ANDHII. You may wish to add a pre- and post-test to the activity to provide additional evaluation. We also provide suggested competency mappings to simulation activities.

Conversation Logs

The choices interns make throughout the interactive conversations are logged to text file on their computer. They can submit these files to you, and you can review instances where interns made less desirable choices with them to evaluate comprehension of more desirable choices.

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Conversation: Inpatient Assessment
Question: Lets talk about what you eat in the evening after dinner before you go to bed.
Response: Ask about bedtime snacks

Conversation: Inpatient Assessment
Question: Lets talk about what you eat in the evening after dinner before you go to bed.
Response: Ask about snacking during activities

Conversation: Inpatient Assessment
Question: Lets talk about what you eat in the evening after dinner before you go to bed.
Response: Ask if weekends differ

Conversation: Inpatient Assessment
Question:
Response: Choose another topic

Conversation: Inpatient Assessment
Question: Great then let's get started.
Response: Physical activity

Conversation: Inpatient Assessment
Question: Let's talk about the kinds of activities you like to do.
Response: What activities do you like?

Conversation: Inpatient Assessment
Question: Let's talk about the kinds of activities you like to do.
Response: Ask about activity at school

Conversation: Inpatient Assessment
Question: Let's talk about the kinds of activities you like to do.
Response: Ask about weekend activities

Conversation: Inpatient Assessment
Question: Let's talk about the kinds of activities you like to do.
Response: Ask about summer activities

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ANDHII Documentation

When interns finalize their entries in ANDHII with their electronic signature, they will be provided a summary report with their entries formatted into an ADIME-style note. They can then download the report or copy-and-paste the text to submit it to you for review.

Entry Summary Report

Patient* c7x3qjCm5 Select All Text

Entry* 10/1/2013 Download report as pdf

Template* ADIME

Text Formatting **Text Output**

Patient: c7x3qjCm5

| Nutrition Assessment | Value |
|--|-------|
| Units Evaluation/Standard | |
| height, length: in | 71 |
| weight: lb | 175 |
| glucose, fasting: mg/dL | 220 |
| glycosylated hemoglobin measurement (HgbA1c): % | 5.8 |
| total energy intake: kcal | 2200 |
| food intake - amount: Concentrated Sweets (servings) | 5 |

Nutrition Diagnosis
 excessive carbohydrate intake related to food- and nutrition-related knowledge deficit, excessive concentrated sweet intake as evidenced by glucose, fasting, glycosylated hemoglobin measurement (HgbA1c), total carbohydrate estimated needs, triglycerides, serum, type of carbohydrate needed, weight
 excessive fluid intake related to food- and nutrition-related knowledge deficit, excessive fluid intake as evidenced by oral fluid intake, weight change, weight change - Interdialytic

Nutrition Intervention
 nutrition relationship to health/disease: Risk for Type 2 DM
 carbohydrate modified diet: No Concentrated Sweets

Nutrition Monitoring and Evaluation
 glucose, fasting: 220 mg/dL High / above goal

Competency Evaluation Suggestions

| Simulation | | | | | |
|--------------------|---|-----------------------------------|--------------|---|--|
| Flow - Location | Simulation Flow - Activity | Tools | Competency # | Competencies | Evaluation of Competencies |
| Dietitian's Office | Medical record review in EMR | openEMR Electronic Medical Record | CRDN 3.1 | Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings. | ANDHII Documentation |
| | Evidence Analysis Library Review | Evidence Analysis Library Website | KRDN 1.2 | Use current information technologies to locate and apply evidence-based guidelines and protocols. | Dialog choices (log file) and ANDHII Documentation |
| | | | | | |
| Patient Room | Nutrition Assessment Interactive dialog | 3D Simulation | CRDN 3.1 | Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings. | Dialog choices (log file) |
| | | | KRDN 2.1 | Demonstrate effective and professional oral and written communication and documentation. | Dialog choices (log file) |

| | | | | | |
|--------------------|---|----------------|-----------|---|---------------------------|
| Conference Room | Interprofessional Team Meeting interactive dialog | 3D Simulation | CRDN 1.3 | Justify programs, products, services and care using appropriate evidence or data. | Dialog choices (log file) |
| | | | CRDN 2.4 | Function as a member of interprofessional teams. | Dialog choices (log file) |
| | | | CRDN 2.10 | Demonstrate professional attributes in all areas of practice. | Dialog choices (log file) |
| Dietitian's Office | ANDHII - Assessment and Diagnosis | ANDHII Website | CRDN 3.1 | Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings. | ANDHII Documentation |
| | | | KRDN 1.2 | Use current information technologies to locate and apply evidence-based guidelines and protocols. | ANDHII Documentation |
| Patient Room | Patient Intervention/Education interactive dialog | 3D Simulation | CRDN 1.2 | Apply evidence-based guidelines, systematic reviews and scientific literature. | Dialog choices (log file) |
| | | | CRDN 2.8 | Demonstrate negotiation skills. | Dialog choices (log file) |
| | | | CRDN 3.3 | Demonstrate effective communications skills for clinical and customer services in a variety of formats and settings. | Dialog choices (log file) |
| | | | CRDN 3.8 | Deliver respectful, science-based answers to client questions concerning emerging trends. | Dialog choices (log file) |
| Dietitian's Office | ANDHII - Intervention and Monitoring & Evaluation | ANDHII Website | CRDN 3.1 | Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings. | ANDHII Documentation |
| | | | KRDN 1.2 | Use current information technologies to locate and apply evidence-based guidelines and protocols. | ANDHII Documentation |

| | | | | | |
|--------------------------|---|----------------|----------|---|---------------------------|
| Patient Room | Outpatient follow-up visit interactive dialog | 3D Simulation | CRDN 1.2 | Apply evidence-based guidelines, systematic reviews and scientific literature. | Dialog choices (log file) |
| | | | CRDN 2.8 | Demonstrate negotiation skills. | Dialog choices (log file) |
| | | | CRDN 3.3 | Demonstrate effective communications skills for clinical and customer services in a variety of formats and settings. | Dialog choices (log file) |
| | | | CRDN 3.8 | Deliver respectful, science-based answers to client questions concerning emerging trends. | Dialog choices (log file) |
| Dietitian's Office | ANDHII - Follow-up visit entry | ANDHII Website | CRDN 3.1 | Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings. | ANDHII Documentation |
| | | | KRDN 1.2 | Use current information technologies to locate and apply evidence-based guidelines and protocols. | ANDHII Documentation |
| 3rd Floor Reception Desk | Billing experience interactive dialog | 3D Simulation | KRDN 4.3 | Describe the regulation system related to billing and coding, what services are reimbursable by third party payers and how reimbursement may be obtained. | Dialog choices (log file) |
| | | | CRDN 4.9 | Explain the process for coding and billing for nutrition and dietetics services to obtain reimbursement from public or private payers, fee-for-service and value-based payment systems. | Dialog choices (log file) |