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Cerego is a learning technology platform. We are technology & learning experts, not content experts - we work with great partners who bring expertise to create the curricula materials that can be powered by Cerego. Our partners span an extremely wide range of environments - from traditional K-12 and higher education schools, to online courses, to professional and vocational training. We have extensive experience in medical training, primarily through a deep partnership with Elsevier (the world's largest health and science publisher). It was our pleasure to present our perspective on adaptive learning technology, and we hope our presentation has sparked some interest or excitement from conference attendees.

Here's a brief summary of the content created for the Cerego presentation at "Teach to Reach" – you can create a free account on www.cerego.com and try out the content.

The first part of the presentation is available at:
https://prezi.com/v1a9cvy_izbr/teach-to-reach-summit/

Measles Immunization "Cheat Sheet" (<https://cerego.com/series/5310>)

The content for each set in the series is aligned to the stated learning objectives of the Section – helping participants better understand concepts surrounding measles immunization, processes aligned with combatting measles, and terminology they'll need to use in the field.

These learning objectives also appear in the Set Description for each set.

Section 1 | Measles Immunization (<https://cerego.com/sets/754071>)

Items of Interest for this set:

- The "Measles Case Management" Sequences item tests students on their ability to recognize the order of steps for administering immunization and following up on their patients.
- The "Map of Africa" Region item both familiarizes participants with the geography of Africa, and identifies where the hot-spots are for measles transmission.
- The Association item helps students associate measles with being an airborne virus, rather than an STI or other type of transmitted disease.
- The Language item introduces the word "prodrome", and the Sentences feature of this item type allows students to be tested on terminology in various grammatical formats (e.g. prodrome, prodromal, etc.)

Section 2 | Measles Surveillance (<https://cerego.com/sets/754074>)

Items of Interest for this set:

- The “Identifying Visible Symptoms of Measles” Patterns item helps participants discern visible measles symptoms (mostly the maculopapular rash) from other diseases that product rashes and hives – chickenpox, smallpox, etc. First the student sees a Notes sheet that provides a mini-lesson on identifying measles (with images, text, and video), and is then quizzed on various formations of the same symptom – since in the real world symptoms are never perfectly static and identical.
- The Passage item encourages students to remember what defines a confirmed outbreak – the cloze is focused on the learning objective, which is knowing that there needs to be 3 or more confirmed cases to declare an “outbreak”.
- Because we can include audio in our items, Cerego also teaches pronunciation for words like “maculopapular”. See the Language item in this set as an example.

Section 3 | Measles Supplemental Immunization Activity (SIA)

(<https://cerego.com/sets/754075>)

Items of Interest for this set:

- For unordered lists, Passages allows us to quiz students on concepts *within context*. Of the four purposes for measles campaigns, one has been removed, and the students need to identify it from a list of distractors.
- Like the Patterns item type, anything in Cerego can be Notes-first if you’d like the student to read through supplemental material *before* encountering the item. In the “95% of the population...” Passage item, students first read a lesson on herd immunity and second opportunity before being quizzed on the percentage of population immunization required to interrupt transmission.
- While Cerego is best suited for helping students retain foundational concepts, it is often helpful to include items that drive application of these concepts. In the final (Region) item of this set, students need to calculate the number of “vaccinated but unprotected” patients when given the vaccine’s coverage and efficacy rates.

Please contact Andrew (asl@cerego.com) or Paul (pmumma@cerego.com) for questions or comments. We are actively seeking partners to pilot with in the field.

Thank you!