



Inclusion of the International Classifications in a STEAM Enrichment Program for Secondary Students

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WHO-FIC

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Abstract This poster describes an educational session focused on international classifications delivered within the National Youth Science Camp in the United States, a summer STEAM enrichment program for both American and international delegates. The objective was to introduce the WHO Family of International Classifications to the next generation of medical/health care providers, clinicians, and researchers.

General Overview

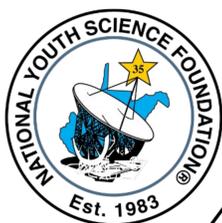
The National Youth Science Camp (NYSCamp) is a residential program focused on the areas of science, technology, engineering, arts, and mathematics (STEAM). The camp is supported by the National Youth Science Academy. Its mission is "to inspire lifelong engagement and ethical leadership in science, technology, engineering, mathematics, and the arts through its proven educational model for mentoring, challenging, and motivating students." Medicine is one of the main professional fields of interest among participants in the program. The objective of these sessions were to introduce participants to the WHO Family of international Classifications.

NYSCamp Overview

Since 1963, the NYSCamp has taken place in the State of West Virginia at the Monongahela National Forest in the USA. The program is designed to "honor and challenge some of the nation's rising leaders and provide them with opportunities to engage with STEAM professionals and participate in exciting outdoor activities."

Up to two delegates are selected to attend camp from each state and the District of Columbia. The camp program has expanded to include international delegates in partnership with the U.S. State Department. Students have come from countries such as Argentina, Bolivia, Brazil, Canada, Chile, Costa Rica, Ecuador, Germany, Japan, Mexico, and Trinidad and Tobago.

There were 93 camp delegates this year from 44 US states, Washington DC, and 9 countries. Housing, meals, transportation, and supplies are provided to participants at no cost.



NATIONAL YOUTH SCIENCE ACADEMY
 WEST VIRGINIA SINCE 1963

Session Information

Camp educational sessions are offered in multiple formats including lectures, seminars, directed studies, panel discussions, tours, and skills sessions. This year there were over 60 presenters addressing diverse topics such as "Climate Study", "Quantum Computing: the Math and the Code", "Drone Use in Problem Solving", and "Culturing Cells Remotely."

This educational session was entitled "Getting to know the WHO international classifications for medicine and social care." In 2022, it was held as a one hour virtual seminar due to the pandemic. This year in 2023, it was held as a 90 minute directed study over 3 consecutive days in person at camp.

Campers were given the opportunity to select their first choice for directed studies. Ten students were selected to participate in the directed study from among all campers who listed it as a choice. The directed study was limited to allow for greater interaction and critical discussion around clinical cases.

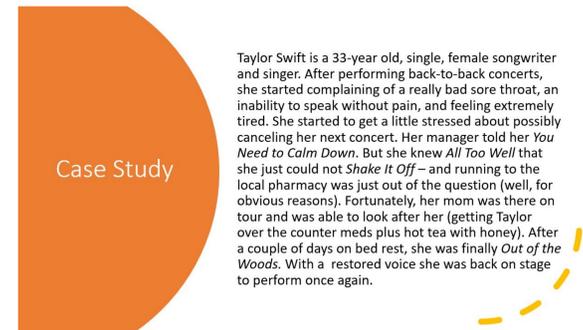
The first day of the directed study included an introduction of the facilitator and participants followed by an overview of the ICD/ICF/ICHI and how these classifications are used in health and social clinical care.

The second day involved detailed information about the ICF framework and classification. Short case examples were embedded to facilitate greater understanding of the content.

The third day covered available resources (including the ICF browser, Beginner's Guide, ICF Checklist and WHO-DAS).

Campers were given a brief fictional case example as a small group exercise. They worked together to identify relevant ICD and ICF components using the slide materials and the ICF Checklist. Then campers used the ICF "red books" to identify associated codes. There was limited access to WIFI so campers were not able to use online resources. However, they were given links to access at a later time.

Case Study Example



Case study example used in the directed study to engage campers.

Campers identified ICF components related to the case study including body structures and functions, activities and participation, and environmental factors.

Campers mentioned that it was a fun example, it enabled them to better relate to the material, and it helped them to understand how the WHO classifications apply to everyone in their everyday situations.



Acknowledgements

We would like to thank the current NYSCamp Director, Dr. Brian Kinghorn, as well as Assistant Directors, Kristin Fitzgerald Biondich and Kiona Meade. Special recognition to the entire NYSCamp Staph* who help make this experience memorable to all.

Spelled intentionally due to the "infectious" nature of their staff.