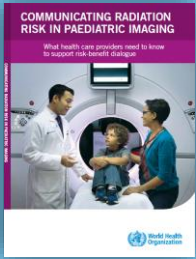


The Geneva Learning Foundation (TGLF) and WHO Scholar Level 1 Course “Radiation Risk Communication to Improve Benefit-risk Dialogue in Paediatric Imaging”

Phase I Course 22 March – 28 May 2021



The purpose of the phase 1 course was to strengthen country capabilities by supporting the development of context-specific action planning and communication tools to participants to improve medical radiation risk-benefit dialogue during paediatric health care delivery.

Partners:

- Dr Maria del Rosario Perez, The World Health Organization
- Dr Joanna Kasznia-Brown, the World Federation of Paediatric Imaging and Outreach Committee of the European Society of Paediatric Radiology
- Dr Donald Frush, Image Gently Alliance and the global Quality Safety Alliance of the International Society of Radiology

Level of Interest

- 1248 applications were received in 18 days from 95 countries. The response number of applications as well as registrations to the Special Event for course launch reflect the high demand for this course on improving radiation benefit-risk dialogue in paediatric imaging among English-speaking healthcare professionals.
- This pilot course deliberately limited enrollment to replicate the strategy used by the Scholar programme to increase the perceived value of the offering. There is therefore both demand and need for additional larger cohorts in English and a pilot cohort in French and/or Spanish.

Cohort Size and Characteristics

- The intended audience of this course were health care providers (in-service) who refer pediatric patients for radiological imaging OR who perform radiological imaging in paediatric patients, as well as medical and dental students (pre-service). Accepted participants fully corresponded to the intended audience.
- Deliberate selection efforts were made to ensure gender balance and geographical representation among accepted participants. 49 participants were female (48%) and 53 were male (52%). A total of 47 countries were represented, with Nigeria (12), Brazil (5), India (5), Kenya (5) and Uganda (5) being the five most represented countries.

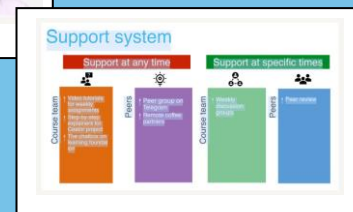
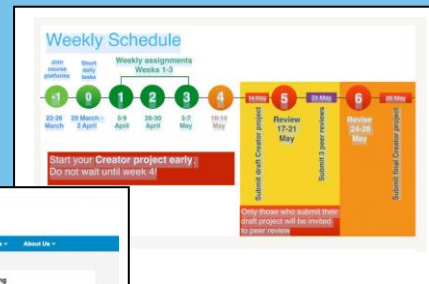
Completion rate and performance

- The completion rate for this pilot English cohort was 63%, consistent with other Scholar courses before COVID-19 and moderately higher than WHO Scholar courses on immunization topics in 2020 and 2021.
- Female course participants were more likely to complete the course than male participants (76% vs 51%).
- Among the completers, Nigeria (5), Brazil (4), Portugal (4) and United Kingdom (4) were the four most represented countries.

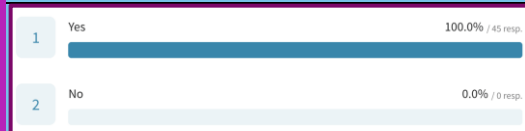
Competency Development

- This Level 1 certification course sought to strengthen country capabilities by supporting the development of context-specific action planning and communication tools to improve radiation risk-benefit dialogue during the process of paediatric health care delivery.
- Regarding the radiation risk-benefit communication capabilities, 64 participants developed 64 peer-reviewed action plans to develop, implement and improve radiation risk-benefit dialogue in their own context. Furthermore, they developed peer-reviewed communication tools suitable for use where they work.
- Regarding the digital capabilities, course participants became familiar with a wide range of digital tools and platforms required by the course organized around the learning foundation web site.
- Potential post-course activities are being planned by WHO in collaboration with TGLF to help course completers take action and achieve impact.
- This course produced results consistent with that of other Scholar courses produced for WHO and other partners.

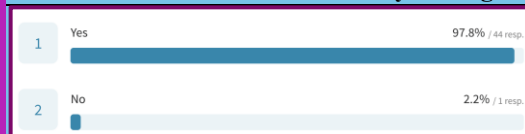
Number of selected participants and completers, by country of residence			
	Selected participants	Completers	Completion rate
Alghanistan	1	0	0%
Algeria	1	0	0%
Argentina	3	2	67%
Bolivia	1	0	0%
Brazil	9	4	80%
Cameroon	1	0	0%
Colombia	1	0	0%
Congo, Democratic Republic of the	1	0	0%
Cuba	1	0	0%
Dominica	1	1	100%
Egypt	2	2	100%
Ethiopia	2	1	50%
Ghana	3	1	33%
Greece	1	1	100%
Guyana	1	1	100%
India	5	2	40%
Indonesia	2	2	100%
Ireland	3	3	100%
Italy	1	1	100%
Japan	1	1	100%
Kenya	5	3	60%
Korea, South	1	0	0%
Madagascar	1	1	100%
Malawi	2	1	50%
Malaysia	3	3	100%
Malta	2	1	50%
Mexico	1	1	100%
Mozambique	1	0	0%
Namibia	2	1	50%
Nigeria	12	5	42%
China	1	1	100%
Pakistan	1	1	100%
Puerto Rico	1	1	100%
Philippines	1	1	100%
Portugal	4	4	100%
Qatar	3	3	100%
Saudi Arabia	1	1	100%
Sierra Leone	1	0	0%
South Africa	3	2	67%
Sudan	2	2	100%
Tanzania	2	2	100%
Uganda	5	2	40%
United Arab Emirates	1	0	0%
United Kingdom	4	4	100%
United States of America	2	2	100%
Zambia	2	0	0%
Zimbabwe	1	0	0%



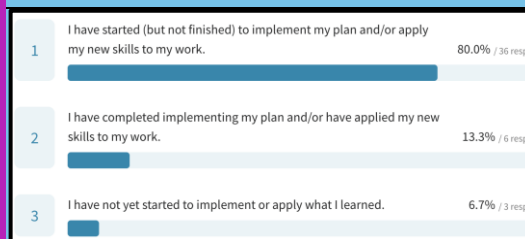
I am satisfied with my experience in this course.



I will recommend this course to my colleagues.



Have you started to implement or apply what you gained from this course?



Better care for patients and families: "My motivation was huge, but after this week it grew exponentially. My motivation is to be able to provide our patients, parents and professionals with a set of tools that will allow us to have knowledge, to be able to help, be up to date and know how to respond when we are asked by parents, doctors, etc."

Peer sharing: "The opportunity to share experiences with my colleagues and course team was incredible."

Sense of community: "I feel very motivated and happy by our "family" working together as one to achieve a better tool to communicate about radiation."

Course team: "Above all the zeal of all the wonderful course Team! Instructure is a great"

Phase II: "From Blueprint to Building"

- Building upon the outcomes of our pilot course, TGLF will develop a learning design including a package of interventions based on the WHO Radiation Risk Communication Tool
 - Piloted to 10-15 Phase I participants selected by the leadership team based on original level of participation, project design especially considering likelihood of positive outcome through models that can serve as generalizable for projects beyond pilot
 - Balanced including for professional domains, gender, resource (eg LMIC) geographical representation
 - Virtual framework
- TGLF will serve as a communication hub interacting closely with the WHO Secretariat and Phase I subject matter experts (leadership team) to ensure that resources are aligned to the implementation objectives as well as with the pilot course completers
- As a result of the above, this year GLF will develop and deliver the implementation support learning module in English for one cohort of pilot course completers, including
 - conducting a survey for pilot course alumni to collect information of whether/how they have implemented their actions plans (and prepare a summary report of the results of this survey),
 - propose an activity plan of the implementation support module in English.
- Next year (e.g. first quarter 2022) the leadership team will conduct the implementation support module