

# Trauma Nursing Fundamentals: piloting a novel just-in-time trauma course for nurses in Ukraine

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# Background

*On February 24th, 2022, Russia launched a full-scale invasion of Ukraine, straining the country's healthcare capacity and changing the healthcare landscape overnight. Many nurses were redeployed to unfamiliar practice areas with limited trauma knowledge. Globally, there are few available "just-in-time" training options to help nurses quickly enhance their competencies in trauma care.*

# Purpose

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- The purpose of this project was to develop an innovative approach to provide training in the fundamentals of life-saving trauma care, aimed at closing knowledge gaps in environments with high trauma burdens
- The goal was to create and implement an open-source curriculum that could be used to train Ukrainian nurses across various disciplines, while also developing content that could be adapted for use in different environments and healthcare systems

# Project Design/Implementation

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- An initial needs assessment was conducted, and nurses were recruited to participate by **International Medical Corps** with direction from the **Ministry of Health** according to pre-requisite criteria.
- The course was taught by subject matter experts from the **United States, United Kingdom, and Canada**. Participants were evaluated through **pre- and post-knowledge tests**, as well as **self-efficacy surveys**, and all course materials were provided in **Ukrainian**.

# TNF Instructors

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Lindsey Martin,  
DNP, MSN, RN



Alexis Schmid, DNP,  
RN, CPNP, MPH



Kathryn Morris, RN



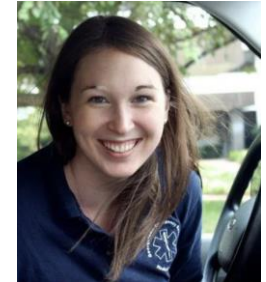
Yvonne Groenhout,  
RN, CCRN



Gregory Klaus  
BSN, RN, CEN  
EMT-P, CAISS



Patricia McCready,  
RN BSc



Kelsie Wilhelm,  
RN



Tanveer Gill, RN



Kelly Hanzlik, RN



Hannah N. Porter,  
RN



Katie Biniki, RN

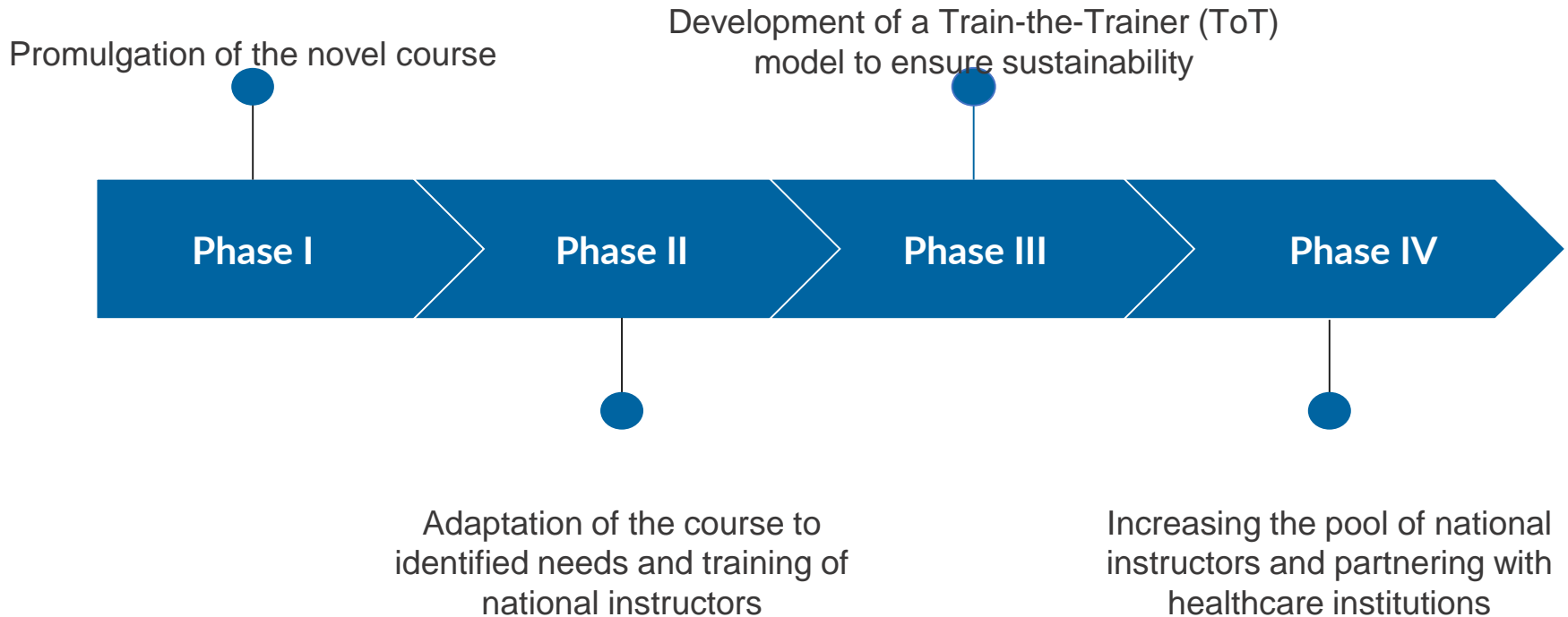


Josh Wall, PhD, RN,  
CEN, CFRN,  
FAASTN

# Project Design/Implementation

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The program has been implemented in four phases:



# Outcomes

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In Phase I:

- **164** nurses were trained
- **96%** exhibiting an increase in pre- and post-test scores (a mean difference of **+21.7%**)
- **41.3%** increase in self-confidence scores



Continuation of training in a bomb shelter,  
Zaporizhzhia 2022

# Outcomes

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In Phase II:

- **178** nurses were trained
- **82.8%** exhibiting increase in pre- and post- test scores (a mean difference of **19%**)



Lviv 2022



Chernihiv 2023



# Outcomes

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In Phase III:

- All trainers completed a **5-day Training of Trainers (ToT)** for the TNF course and later conducted **observed trainings** under the supervision of Master Trainers from HHI during live classes with participants. They received structured feedback to certify their competence as independent instructors



Irpin 2023



Chernihiv 2023

# Outcomes

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Phase III strategically focused on expanding the pool of national instructors by establishing alliances with medical colleges across strategic locations to:

- cover a wide geographic area in Ukraine to institutionalize
- further develop and disseminate the Trauma Training Program in the Ukrainian society
  - *Odessa Regional Medical Professional College*
  - *Zaporizhzhia Medical Professional College*

# Outcomes

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The ToT courses and observed training sessions commenced on August 28th at Dnipro State Medical University



ToT in Dnipro, 2023



Our ToT instructors are back to Dnipro, 2024

# Outcomes

In Phase III  
**163 nurses** were  
trained and  
**40** of them  
completed **ToT**

Izmail 2023



# Outcomes

These new instructors further enhanced their facilitation skills through supervised courses at three additional locations (**Kharkiv, Chernihiv, Mykolaiv**) during the remainder of Phase III

Kharkiv 2023



# Outcomes

In Phase IV **146** nurses were trained and **21** of them completed ToT



The culmination of Phase III and Phase IV was Master Trainer Course, during which national instructors have been trained to conduct ToTs and train other instructors in the future

In total, **6 Ukrainian nurses** received the Master Instructor certificate

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# Conclusions and challenges

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- Project challenges include differences between trauma systems and nursing scope of practice, recruitment of appropriate skill set for both student cohorts and ToTs and baseline participant skill level
- This course, and the lessons learned from its development and delivery, can serve as a platform for capacity building in global nursing trauma education



# THANK YOU!

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