

IA Watch Efficacy Study



The BCL Institute
for Learning in Global Health



Executive Summary

**Health
professional
knowledge
increases
25%
with IA Watch**

The BCL Institute for Learning in Global Health (BCLi) sought to determine whether global health professionals could learn from IA Watch videos.

To answer this question, BCLi tested the immunization knowledge of 109 global health professionals, had them view related IA Watch videos, and then retested their knowledge.

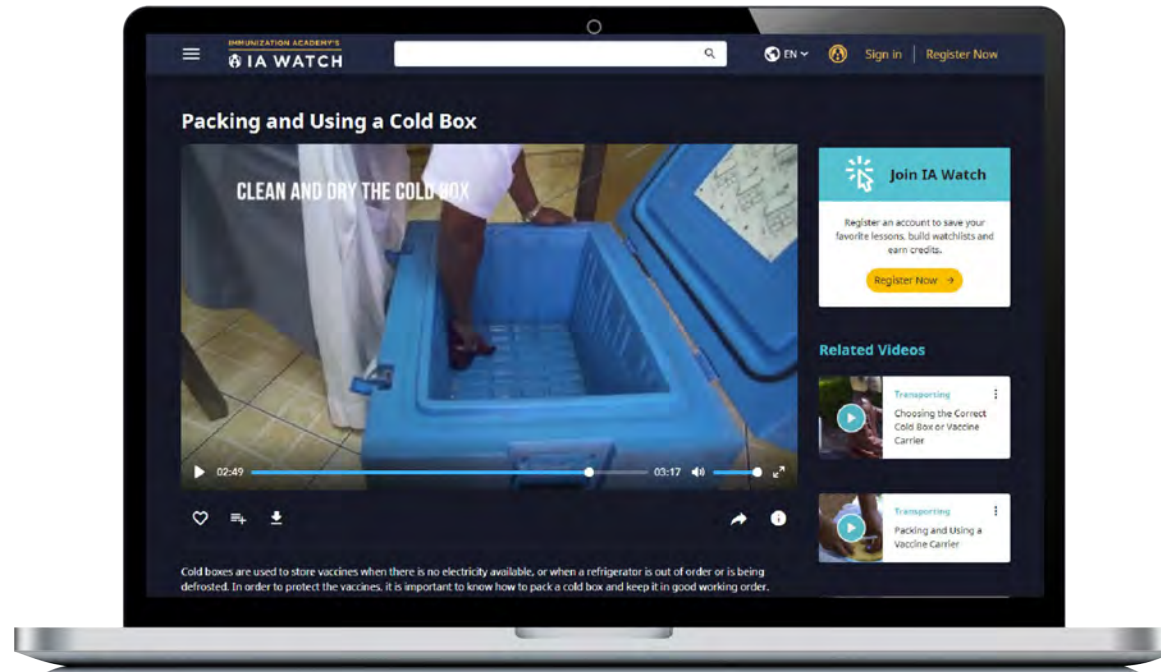
The post-test scores of health workers, sub-national EPI professionals, and national EPI professionals all improved (though the improvement for national EPI staff was not significant).

The study suggests that IA Watch can be an effective alternative to other training methods for increasing the knowledge and skill of global health workers.



Study Purpose

IA Watch Efficacy Study – *Study Purpose*

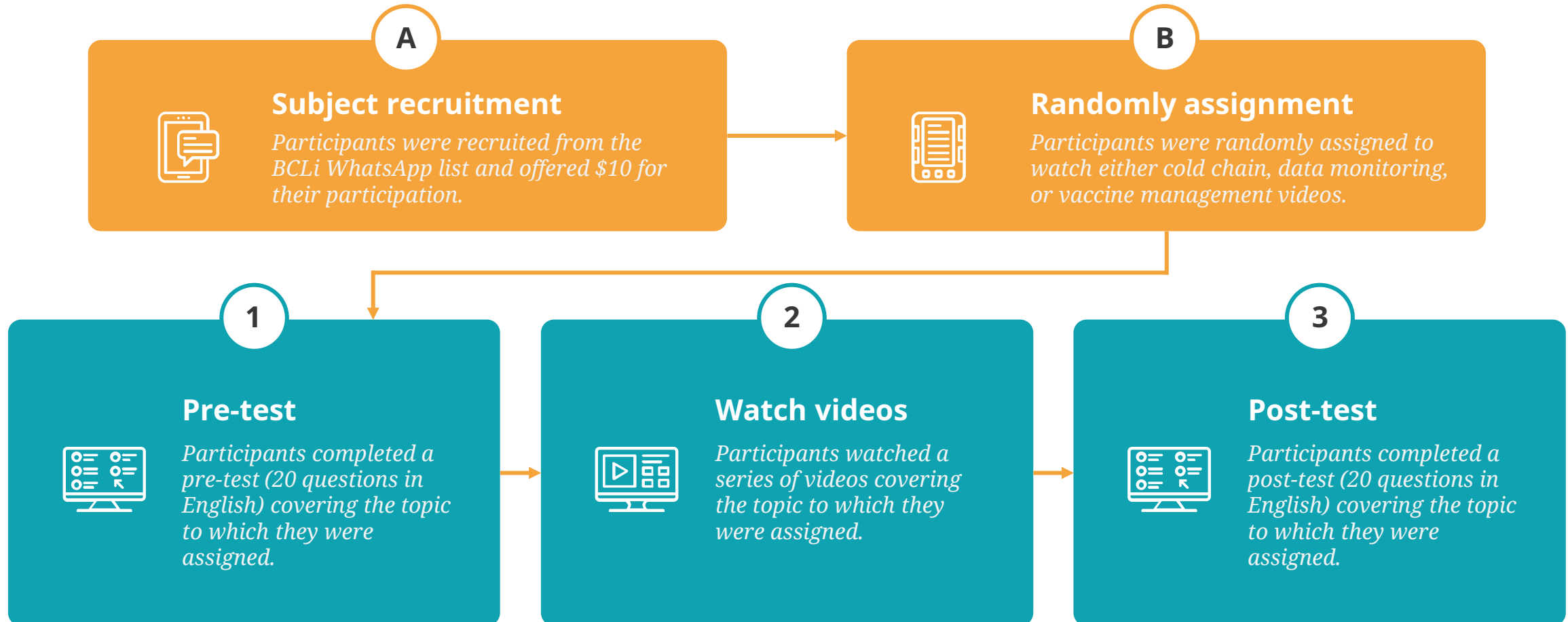


The purpose of this study is to ascertain the extent to which global health professionals can increase their knowledge from IA Watch videos.

A woman wearing a patterned headscarf, glasses, and a polka-dot dress is looking down at a document. Another person's hands are visible in the background, holding a yellow highlighter. The entire image has a teal overlay.

Study Methods

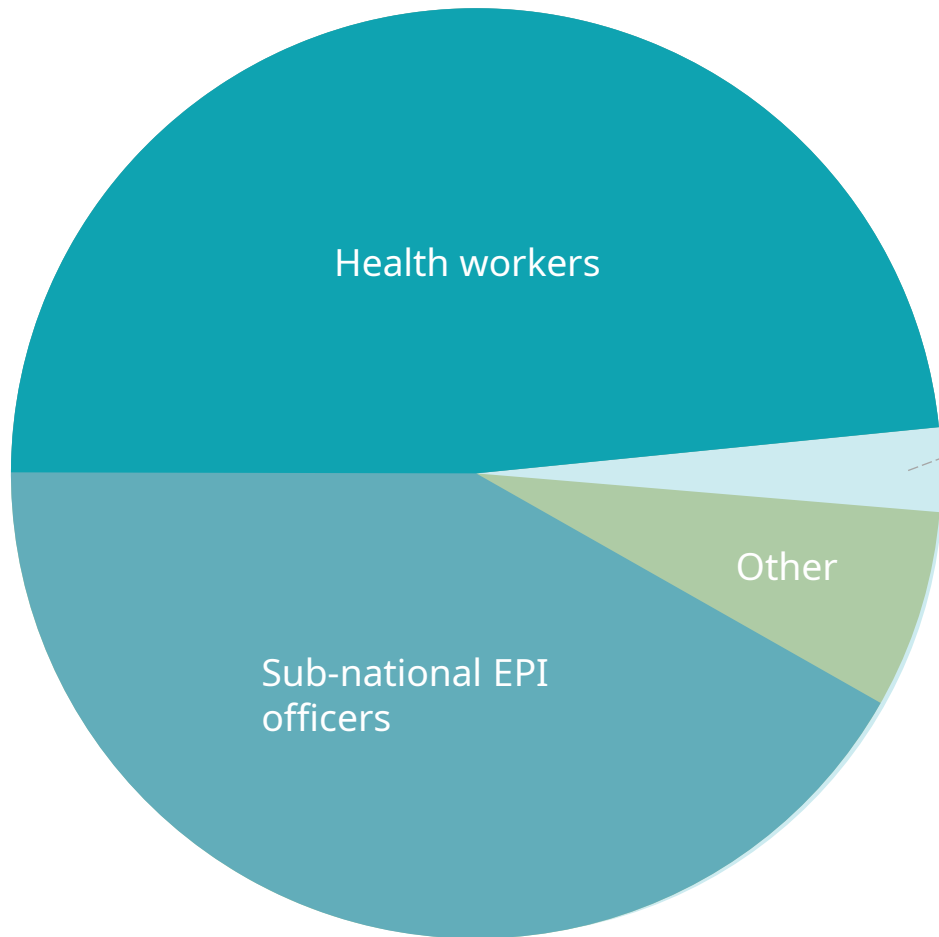
We used a standard pre- and post-test model



A woman wearing a light-colored headscarf and a patterned top is holding a baby. The baby is wearing a brown knit hat with a pom-pom and a white long-sleeved shirt. The background is a blurred outdoor setting with a fence and some greenery. The entire image has a teal overlay. The text "Study Results" is written in white, serif font, positioned in the lower right quadrant of the image. A thin orange horizontal line is located directly beneath the text.

Study Results

109 people participated in the study



National EPI officers

49 Health workers

43 Sub-national EPI officers

6 National EPI officers

11 Other



7 countries are represented

85	Ghana	9	Tanzania
7	Nigeria	2	Uganda
2	Kenya	1	Belgium
1	Sierra Leone	3	Unknown

109 people participated
in the study

Cold Chain



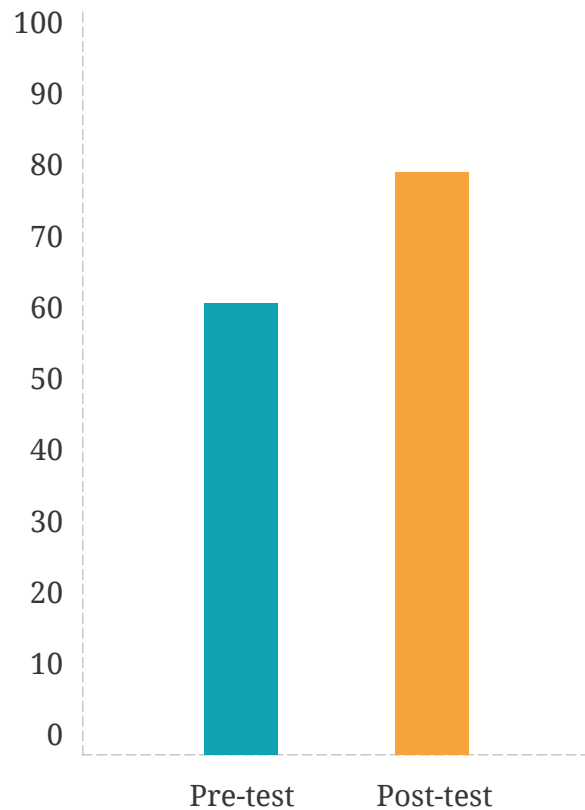
Data Monitoring



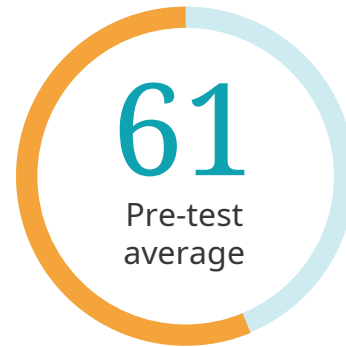
Vaccine Delivery



How *all participants* performed



Before watching IA videos



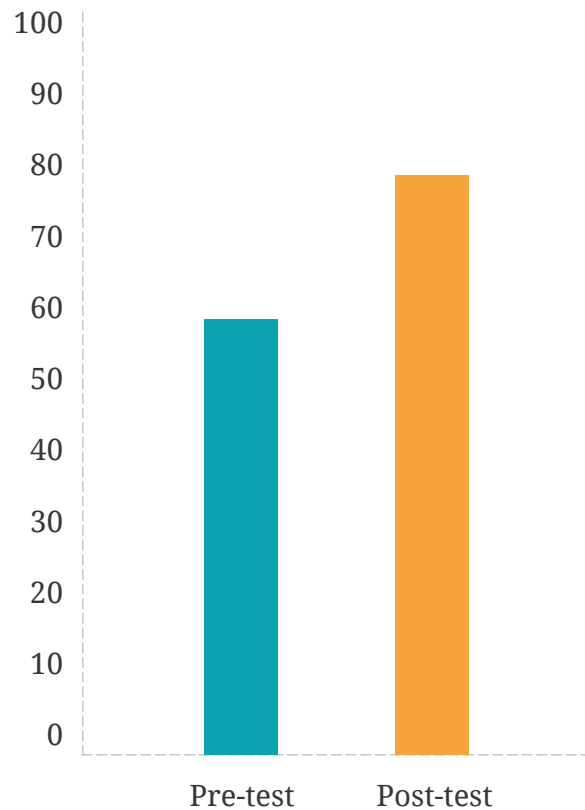
After watching IA videos



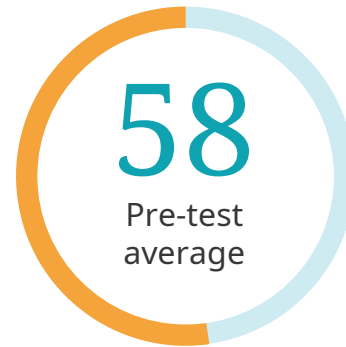
Increase in score



How *health workers* performed



Before watching IA videos



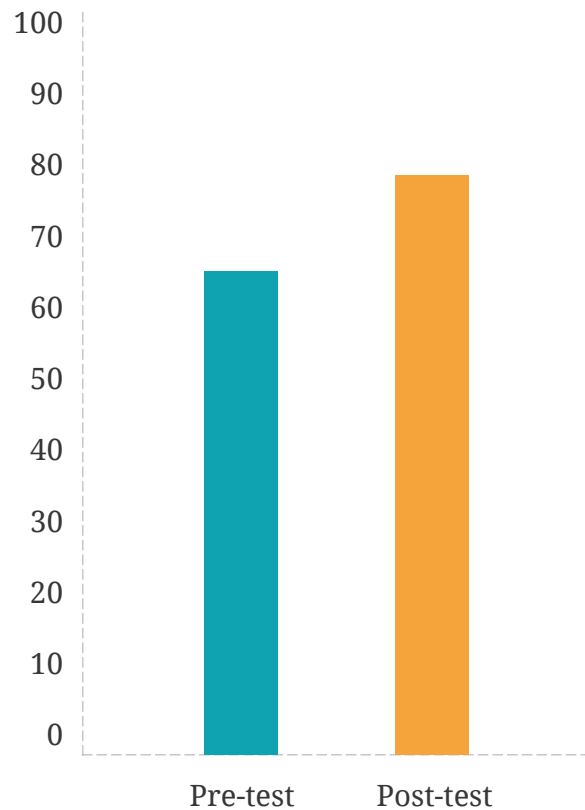
After watching IA videos



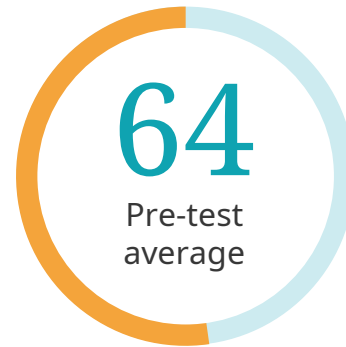
Increase in score



How *sub-national EPI professionals* performed



Before watching IA videos



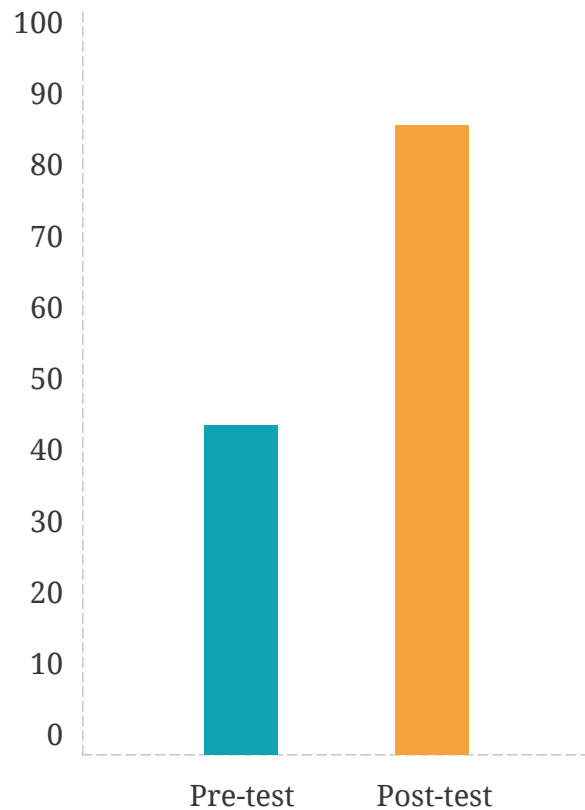
After watching IA videos



Increase in score



How *national EPI professionals* performed



Before watching IA videos



After watching IA videos



Increase in score

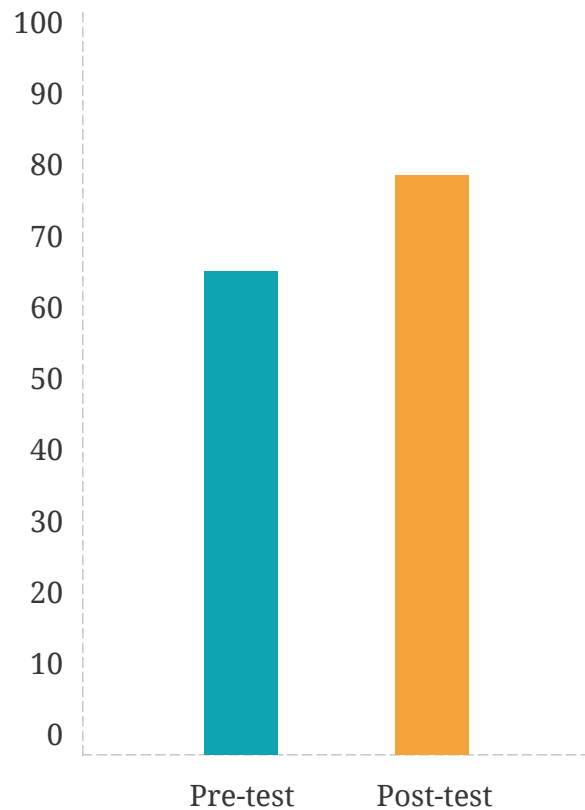


* The improvement was not statistically significant because there were too few national level participants for the analysis

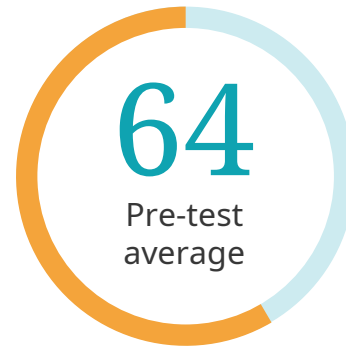
Summary by *role*

	Pre-test	Post-test	Difference
Health workers	58	80	+22
Sub-national EPI	64	80	+16
National EPI	41	85	+34
All participants	61	81	+20

How all participants performed *on cold chain*



Before watching IA videos



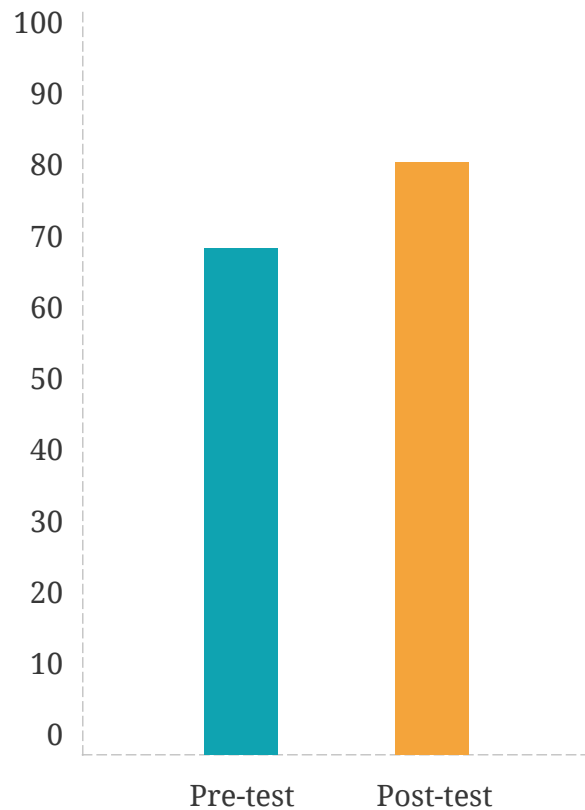
After watching IA videos



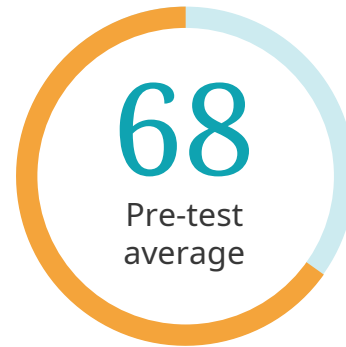
Increase in score



How all participants performed *on data monitoring*



Before watching IA videos



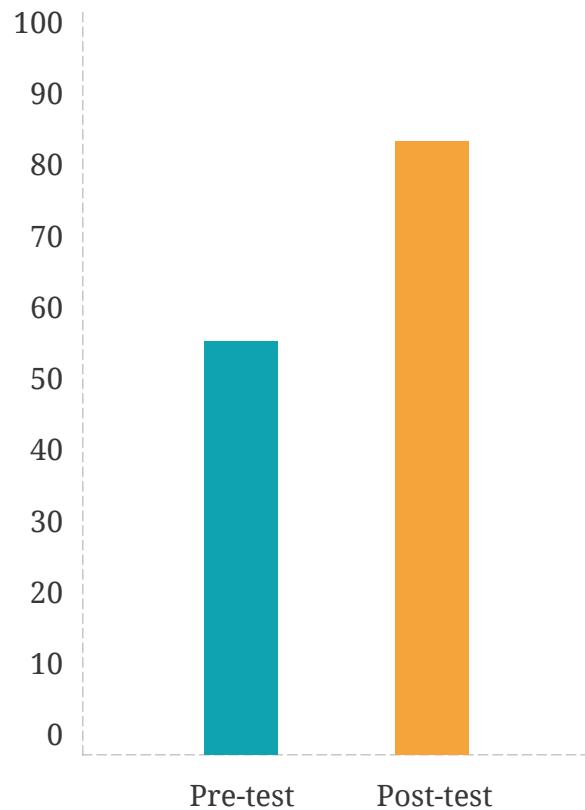
After watching IA videos



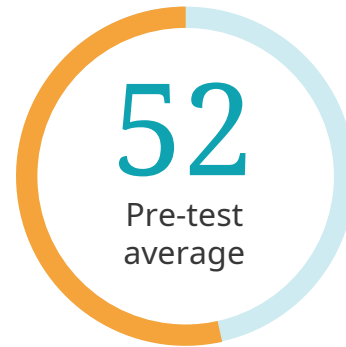
Increase in score



How all participants performed *on vaccine delivery*



Before watching IA videos



After watching IA videos



Increase in score



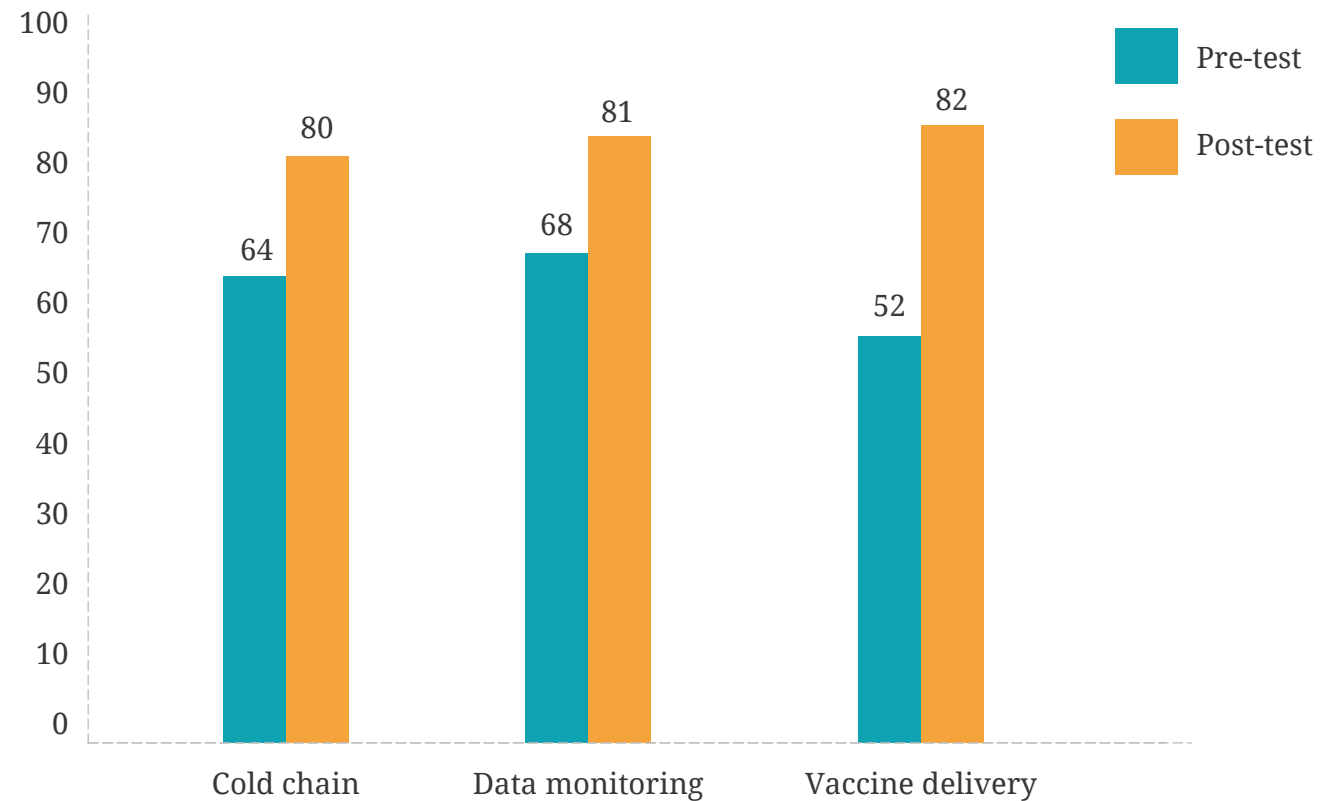
Summary by *topic*

	Pre-test	Post-test	Difference
Cold chain	64	80	+16
Data monitoring	68	81	+13
Vaccine delivery	52	82	+30

Summary for *all participants and topics*

	Pre-test	Post-test	Difference
Cold chain	64	80	+16
Data monitoring	68	81	+13
Vaccine delivery	52	82	+30

Results Summary across all audiences and topics





Conclusions

***IA Watch* is a viable training alternative for health staff**

For Health workers

The data shows that clinical health workers can increase their knowledge of key topics in the area of immunization by watching the videos on the IA Watch platform. These videos can be used instead of other, more time-consuming and/or expensive training methods.

For sub-national EPI staff

The data also shows that district and regional EPI officers can increase their knowledge of key immunization topics by watching the IA videos. IA Watch can be used instead of other, more time-consuming and/or expensive training methods.

Possibly for national EPI

National EPI staff showed the most substantial gains in knowledge, but because there were so few participants, the increase was not statistically significant. It is still possible that they could benefit from the videos, but more data would be needed to conclude that definitively.