

Additional file 1. Questionnaire on satisfaction with the high altitude health education drama.

Dear friends:

You are cordially invited to participate in this survey, which is designed to evaluate your satisfaction with the health education situational drama. This questionnaire is anonymous, and all the data collected will be kept strictly confidential and used solely for scientific research purposes. Thank you very much for your participation and support.

Health Education Center Research Team

November 29, 2025

I clearly understand the purpose of this survey and agree to complete the informed consent form.

- ☐ Yes, continue the survey.
- ☐ No, withdraw from the research.

Part I: Demographic Information.

Please fill in the blanks or check the box (✓) that best applies to you.

1. Age: _____ years
2. Gender: ☐ Male ☐ Female
3. Type of Household Registration: ☐ Rural ☐ Urban
4. Education Level:
 - ☐ High School and Below ☐ Junior College
 - ☐ Bachelor's Degree ☐ Postgraduate and Above

5. History of high-altitude travel or residence:

☐ No ☐ Yes (Have been to or resided in areas with an altitude ≥ 2500 meters)

Part II: Pre-viewing Expectations.

*Please recall your expectations **before** watching the drama. Please indicate your level of agreement based on your genuine feelings at that time by checking the appropriate box (✓).*

Item	Variable	Very Low	Relatively Low	Neutral	Relatively High	Very High
AE1	My expected level regarding the overall quality of this drama.					
AE2	The extent to which I expected it to help me cope with the high-altitude environment.					
AE3	My level of curiosity about this high-altitude themed drama.					

Part III: Post-viewing Evaluation.

*Please indicate your level of agreement with the following statements based on your actual feelings **after** watching the drama. Please check the appropriate box (✓) according to your true opinions.*

Item	Variable	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
SQ1	The high-altitude health knowledge conveyed in the drama (e.g., oxygen use) is accurate and reliable.					
SQ2	The symptoms of acute mountain sickness and the corresponding management methods described in the drama are scientific and realistic.					
SQ3	The content of the drama is rigorous, based on authoritative medical evidence, and is convincing to me.					
PU1	This drama helps me better prepare for going to high-altitude areas.					
PU2	The skills and knowledge taught in the drama (e.g., identifying altitude sickness) are very useful to me.					
PU3	After watching, I feel more confident about maintaining my health after ascending to the high-altitude.					
EN1	The plot design is close to real military life, with a high degree of authenticity in scene recreation.					
EN2	The acting in the drama is natural and realistic, demonstrating the good spirit of soldiers and officers.					
EN3	The costumes, props, and scene settings in the drama are authentic, creating a strong sense of immersion.					
EU1	Some professional medical terms or expressions in the drama were somewhat difficult for me to understand.					

Item	Variable	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
EU2	The logic of the plot is clear, and I could easily follow and understand the intended message.					
EU3	The health knowledge points in the drama are presented very intuitively, making them easy for me to understand.					
E	To ensure careful responses, for this item, please select "Disagree".					
ER1	The stories of the characters in this drama are relatable to me, making it easy to evoke emotional resonance.					
ER2	While watching, I could put myself into the plot and imagine myself in the situation.					
ER3	This drama provoked my thinking and emotional engagement about future life on the high-altitude.					
CR1	The drama felt very authentic and credible to me because it was performed by real soldiers and military doctors.					
CR2	I believe the producing institution of this drama (Military Health Education Center) is authoritative.					
CR3	Overall, I consider this drama a trustworthy guide to high-altitude health.					
PV1	The time spent watching this drama was worthwhile.					
PV2	The knowledge of high-altitude health maintenance gained from this drama is worth the effort I invested.					

Item	Variable	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
PV3	Compared to other health education methods (e.g., lectures), watching this situational drama is a higher-value approach.					
AS1	Watching this situational drama made me feel very satisfied.					
AS2	This drama provided me with an enjoyable viewing experience.					
AS3	I think watching this drama was the right decision.					
BI1	I am willing to recommend this drama to other comrades who are about to go to high-altitude areas.					
BI2	If I find comrades around me who have not watched this drama, I will suggest they watch it.					
BI3	I would suggest the company organize more comrades to watch this drama.					
BI4	If a sequel or related series of this drama is produced, I would be very willing to watch it.					
BI5	I am willing to continuously follow similar health education works produced by the Military Health Education Center.					
BI6	If I could choose the method of health education, I would prefer watching this type of situational drama.					

Part IV: An open-ended question (Optional).

Please share your thoughts in the space provided below.

1. What part of the situational drama impressed you the most?

2. In which aspects do you think the situational drama could be improved?
