

Supplementary Questionnaire (English Translation)

This appendix reproduces the original survey items administered to undergraduate medical students during the 2024–2025 physician workforce crisis. To calibrate distress, two widely recognised national anchors were included: the COVID-19 peak (a prolonged public-health emergency) and the 29 October 2022 Itaewon crowd crush (an acute mass-casualty crowd disaster in a narrow nightlife district of Seoul).

Demographics

Age (years)

Write-in: _____ years

Sex

- Male**
- Female**
- Other**
- Prefer not to say**

If a student, how many years since admission? (2025 entrants = admitted this year)

- 2025 entrants**
- 1-year**
- 2-year**
- 3-year**

Exposure & educational disruption

Have you personally experienced the recent medical crisis (residents' and professors' collective actions, etc.)?

- Yes**
- No**
- Don't know**

During the medical crisis, how was your class/practice affected?

- Completely disrupted**
- Partially disrupted**
- Not affected**

Motivation & career impact

Has your current academic motivation decreased due to the medical crisis?

- Yes**
- No**
- Don't know**

Did the medical crisis affect your specialty/career decision?

- Yes
- No
- Don't know

Has the medical crisis changed your values about being a physician?

- Yes
- No
- Don't know

Stress & comparative distress (incl. SUDS)

In the past month (due to the crisis), did you feel stress/anxiety/helplessness?

- Yes
- No

In the past month, did intrusive upsetting memories recur?

- Yes
- No

Did you avoid recalling or talking about the event?

- Yes
- No

Compared with before, did you have difficulty initiating/maintaining sleep?

- Yes
- No

Compared with before, did you have difficulty concentrating?

- Yes
- No

Compared with before, did you experience hyperarousal/startle or irritability?

- Yes
- No

Did prolonged negative emotions (helplessness/anger/fear) persist?

- Yes
- No

Did you feel apathy/anhedonia (loss of interest/drive)?

- Yes
- No

Did you experience functional impairment in study/clinical/social/daily life?

- Yes
- No

Psychological impact versus the COVID-19 peak

- More severe**
- Similar**
- Less severe**
- Not applicable**

Psychological impact versus the 2022 Itaewon crowd crush

- More severe**
- Similar**
- Less severe**
- Not applicable**

Peak distress during the COVID-19 peak (SUDS 0–100)

Write-in: _____ (0–100)

Peak distress during the 2022 Itaewon incident (SUDS 0–100)

Write-in: _____ (0–100)

Current/peak distress during the medical crisis (SUDS 0–100)

Write-in: _____ (0–100)

Media & government

Have you perceived distortion or bias in media coverage?

- Yes**
- No**
- Don't know**

Do you think the government's response was appropriate?

- Yes**
- No**
- Don't know**

Essential medical care

Since the medical crisis, has your perception of essential medical care changed?

- Yes**
- No**
- Don't know**

Do you agree that essential medical fields need strengthening/support?

- Yes**
- No**
- Don't know**

Have you considered entering an essential medical field?

- Yes**
- No**

- Don't know

Professional identity & trust

Since the crisis, have the social meanings of being a 'doctor' changed?

- Changed positively
- Changed negatively
- Don't know

Since the crisis, do you feel your identity as a doctor has strengthened?

- Yes
- No
- Don't know

Since the crisis, how has trust in senior doctors (professors/residents) changed?

- Strengthened
- Weakened
- No change
- Don't know

Have seniors' actions/choices influenced your career decision?

- Yes
- No
- Don't know

How has your trust in the medical community as a whole changed?

- Strengthened
- Weakened
- No change
- Don't know

Outlook & behavioural intention

How do you view the future of Korean healthcare?

- Very pessimistic
- Pessimistic
- Neutral
- Optimistic
- Very optimistic
- Don't know

Do you believe the healthcare system will improve?

- Yes
- No
- Don't know

If a similar crisis occurs, would you make the same choice (action/participation)?

- Yes**
- No**
- Not a med student then, but would participate**
- Not a med student then, would not participate**
- Don't know**

Overseas career intentions

Do you intend to practise abroad?

- Yes**
- No**
- Don't know**

If considering going abroad, when would you prefer to go?

- After medical school**
- After board certification**
- After research opportunity**
- Don't know**
- No plan**

What are your reasons for considering work abroad? (multi-select)

- Work environment**
- Compensation**
- Policy uncertainty**
- Unfair national policy**
- Lower trust in government**
- Research/academic opportunities**
- Personal reasons**

Military service intentions

Preferred type of military service (male students only)

- Military physician**
- Public health doctor**
- General military service**
- Don't know**

Did the crisis influence your military-service career decision?

- Yes**
- No**
- Don't know**

If changed, what were the reasons? (multi-select)

- Workload**
- Compensation**
- Policy uncertainty**
- Unfair national policy**
- Lower trust in government**

After the crisis, does military service feel like a heavier burden?

- Yes**
- No**
- Don't know**

Open-ended reflection

As a student, what was the most difficult aspect during the crisis? (open-ended)

Write-in: _____