

Usability of PPE for Covid-19



We want to know what you think about Personal Protective Equipment (PPE) usability during the Covid-19 pandemic

Prof. Jay Banerjee is a Consultant in Geriatric Emergency Medicine in the East Midlands. He is finding that working in PPE for Covid-19 for a 12 hour shift is changing the way he works and wonders if this is also a problem for other people. He is collaborating with Prof. Sue Hignett, a Chartered Ergonomist & Human Factors Specialist (C.ErgHF).

The survey will take approx. 5 minutes to complete (*this survey is **not** about PPE provision and availability*). All data will be anonymous and only reported in summary tables or anonymised quotes.

Your answers will be used to gain a preliminary understanding of the use of PPE for prolonged working and to design a future observational/interview study when appropriate.

If there are any questions that you feel are not relevant to you, or you would prefer not to answer, this is fine; just move to the next one.

Thank you very much for your participation

Jay and Sue

Prof. Jay Banerjee is a Consultant in Geriatric Emergency Medicine at University Hospitals of Leicester NHS Trust and Honorary Professor of Safety Science at Loughborough University.

Prof. Sue Hignett is a Chartered Human Factor Specialist and Professor of Healthcare Ergonomics & Patient Safety at Loughborough University.

I consent to participate in this survey and for my answers to be used as outlined above * *Required*

- Yes
- No

I am using PPE * *Required*

- Yes
- No

Section 1. About your work

Where are you working * *Required*

- Emergency Department (A&E)
- ICU
- High Dependency
- Covid medical ward
- Non-Covid medical wards
- Other (non-medical) wards
- Diagnostic services
- Rehabilitation services
- Other

Do you know what PPE you should be wearing in your area * *Required*

- Yes
- Most of the time
- I get confused sometimes
- It is unclear in different areas
- No

Face Cover PPE (masks/glasses/visors)

How well does your face cover PPE fit (including adjustment to fit). Answer all PPE items that apply to you

[+ More info](#)

Please don't select more than 1 answer(s) per row.

	Excellent fit	Acceptable fit	Poor fit
Safety glasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety glasses over spectacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety goggles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical hood with ties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FFP3 face mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full face shield (visor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Respirator (within gas tight suit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Does your face cover PPE hurt or irritate your skin/ ears/ nose/ mouth/ etc.? Answer all PPE items that apply to you

[+ More info](#)

Please don't select more than 1 answer(s) per row.

	Not comfortable at all	Comfortable for up to 2 hours	Comfortable for up to 4 hours	Comfortable for up to 8 hours	Comfortable for the whole shift (up to 12 hours)	I am moving/adjusting it all the time
Safety glasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety glasses over spectacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety goggles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Surgical hood with ties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FFP3 face mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full face shield (visor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Can you see to read and operate equipment? Answer all PPE items that apply to you

Please don't select more than 2 answer(s) per row.

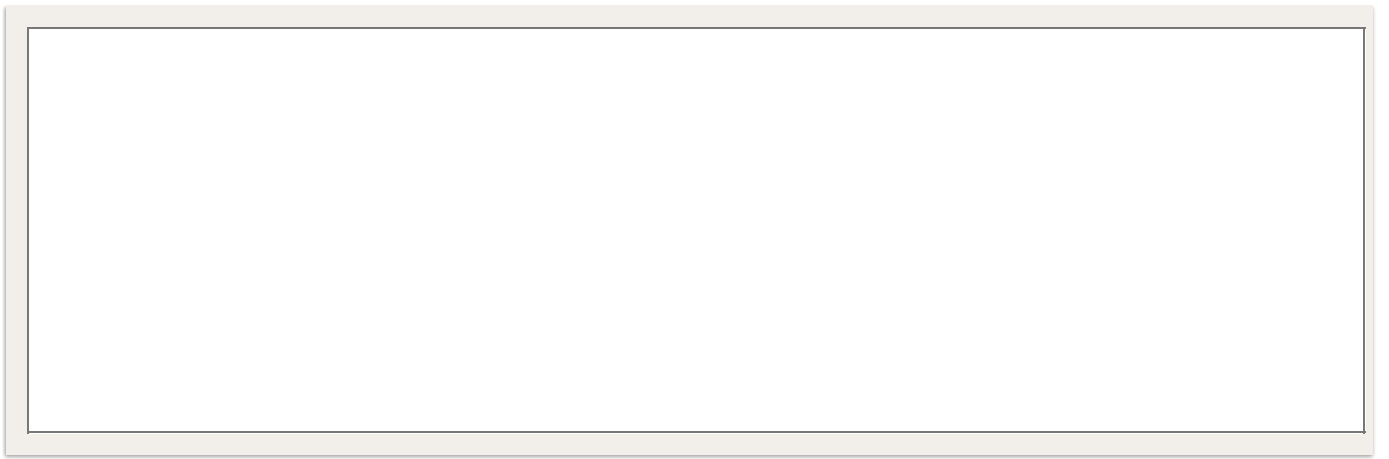
	Yes, no change with PPE	It's harder but ok	Difficult due to glasses/mask/visor	Difficult due to sweating/misting
Safety glasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety glasses over spectacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety goggles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical hood with ties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FFP3 face mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full face shield (visor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Respirator (within gas tight suit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Can you see to communicate and hear colleagues, alarms etc. whilst wearing PPE? Answer all PPE items that apply to you

Please don't select more than 1 answer(s) per row.

	Yes, no change with PPE	It's harder but ok	Difficult due to mask/visor
Surgical mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical hood with ties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FFP3 face mask	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full face shield (visor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Respirator (within gas tight suit)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do you have any comments to add?



Body Cover PPE (aprons/gowns)

How well does your body cover PPE fit (including adjustment to fit). Answer all PPE items that apply to you

Please don't select more than 1 answer(s) per row.

	Excellent fit	Acceptable fit	Poor fit
Plastic apron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical gown without sleeves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical gown with sleeves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
One piece coverall (white paper onesie)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas tight suit (with respirator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Can you reach and move to operate equipment? Answer all PPE items that apply to you

Please don't select more than 2 answer(s) per row.

	Yes, no change with PPE	It's harder but ok	Difficult due to fit	Difficult due to sweating
Plastic apron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical gown without sleeves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical gown with sleeves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
One piece coverall (white paper onesie)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas tight suit (with respirator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do you have any comments to add?

Hand Cover PPE (gloves)

How well do your PPE gloves fit (adjust to fit)

Please don't select more than 1 answer(s) per row.

	Excellent fit	Acceptable fit	Poor fit
Gloves disposable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gloves with viral protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Has your dexterity changed? Including using touch screens, pressing buttons, turning knobs, opening vials/taps, using syringes etc.

Please don't select more than 2 answer(s) per row.

	Yes, no change with PPE	It's harder but ok	Difficult due to fit of gloves	Difficult due to sweating
Gloves disposable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gloves with viral protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do you have any comments to add?

Monitoring Information

I identify as * *Required*

Female

Male

Other

My height * *Required*

Over 2 metres (6ft 7in)

1.83m - 1.98m (6ft - 6ft 6in)

1.70m - 1.80m (5ft 7in - 5ft 11in)

1.52m - 1.68m (5ft - 5ft 6ins)

Less than 1.50m (5ft)

If you want more information about the survey, please contact:

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Sue Hignett (S.M.Hignett@lboro.ac.uk)

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Many thanks for your response

Take care and keep well
