COVID-19 symptoms at hospital admission vary with age and sex: ISARIC multinational study

ISARIC Covid-19 Collaboration

**Supplementary Table 1. Patients and sites included in this analysis**

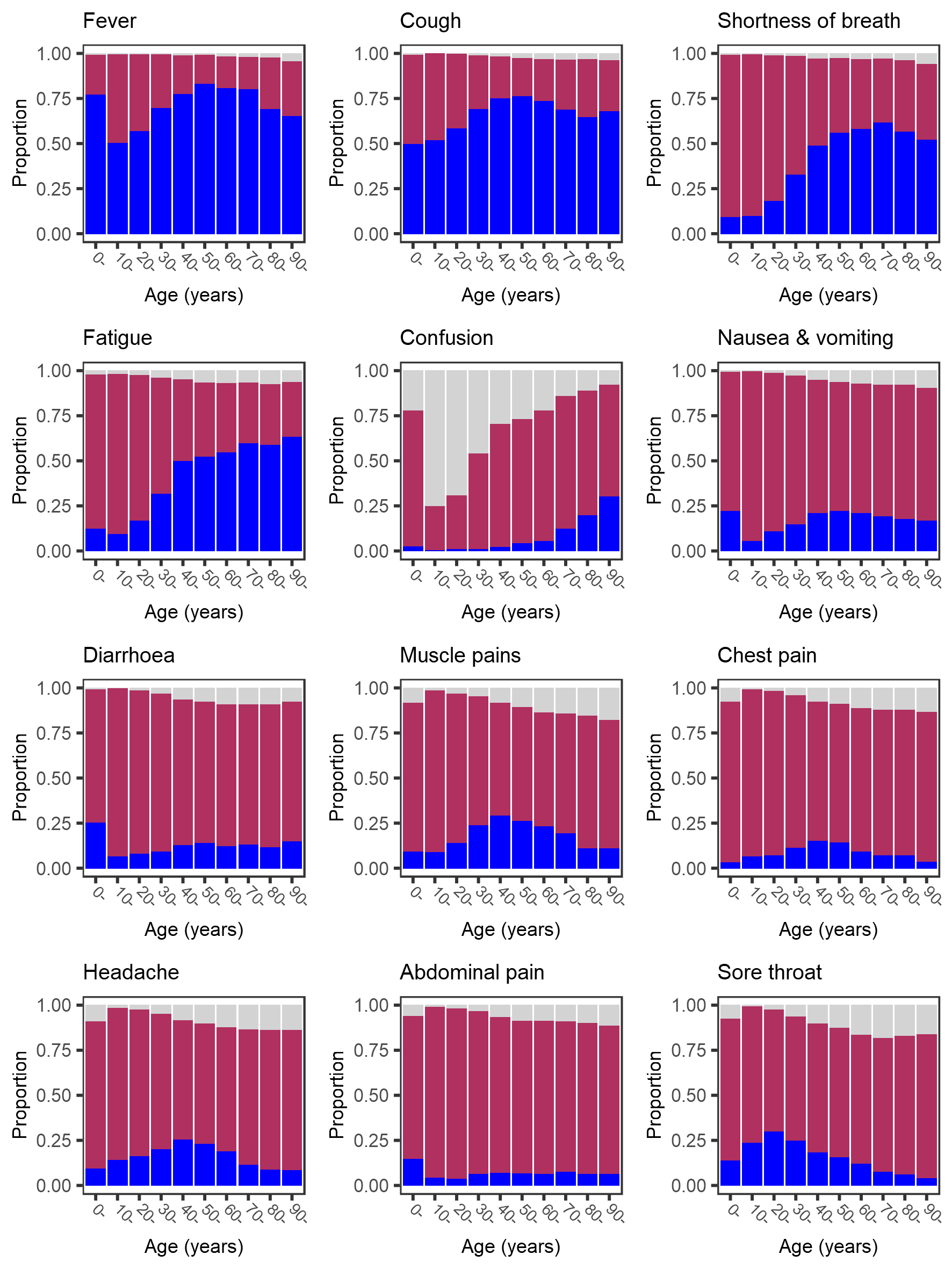
|  |  |  |  |
| --- | --- | --- | --- |
| **Country** |  | **Participantsa** | **Sites** |
| *East Asia & Pacific* | |  |  |
|  | China | 11 (0.0) | 2 |
|  | Hong Kong SAR, China | 18 (0.0) | 2 |
|  | Indonesia | 76 (0.1) | 5 |
|  | Japan | 46 (0.1) | 11 |
|  | Korea South | 4 (0.0) | 4 |
|  | Malaysia | 3087 (5.1) | 1 |
|  | New Zealand | 9 (0.0) | 6 |
|  | Taiwan | 1 (0.0) | 1 |
| *Europe & Central Asia* | |  |  |
|  | Austria | 11 (0.0) | 2 |
|  | Belgium | 277 (0.5) | 3 |
|  | Czech Republic | 2 (0.0) | 1 |
|  | Estonia | 23 (0.0) | 2 |
|  | France | 2979 (5.0) | 2 |
|  | Germany | 82 (0.1) | 7 |
|  | Greece | 32 (0.1) | 1 |
|  | Ireland | 510 (0.8) | 13 |
|  | Italy | 333 (0.6) | 9 |
|  | Netherlands | 859 (1.4) | 13 |
|  | Norway | 191 (0.3) | 4 |
|  | Poland | 13 (0.0) | 2 |
|  | Portugal | 219 (0.4) | 12 |
|  | Romania | 543 (0.9) | 1 |
|  | Russian Federation | 1662 (2.8) | 1 |
|  | Spain | 311 (0.5) | 11 |
|  | United Kingdom | 47332 (78.8) | 209 |
| *Latin America & Caribbean* | |  |  |
|  | Argentina | 4 (0.0) | 2 |
|  | Brazil | 12 (0.0) | 2 |
|  | Chile | 2 (0.0) | 1 |
|  | Colombia | 112 (0.2) | 3 |
|  | Ecuador | 1 (0.0) | 1 |
|  | Mexico | 2 (0.0) | 1 |
|  | Peru | 28 (0.0) | 1 |
|  | St. Vincent and the Grenadines | 1 (0.0) | 1 |
| *Middle East & North Africa* | |  |  |
|  | Israel | 72 (0.1) | 2 |
|  | Kuwait | 18 (0.0) | 2 |
|  | Qatar | 1 (0.0) | 1 |
| *North America* | |  |  |
|  | Canada | 420 (0.7) | 19 |
|  | United States | 500 (0.8) | 26 |
| *South Asia* | |  |  |
|  | India | 267 (0.4) | 3 |
| *Sub-Saharan Africa* | |  |  |
|  | Congo | 1 (0.0) | 1 |
|  | Ghana | 1 (0.0) | 1 |
|  | Sao Tome and Principe | 1 (0.0) | 1 |
|  | South Africa | 7 (0.0) | 1 |
| *a* Number of patients included in this analysis (percent of all patients in the analysis) | | | |

**A picture containing bar chart

Description automatically generated**

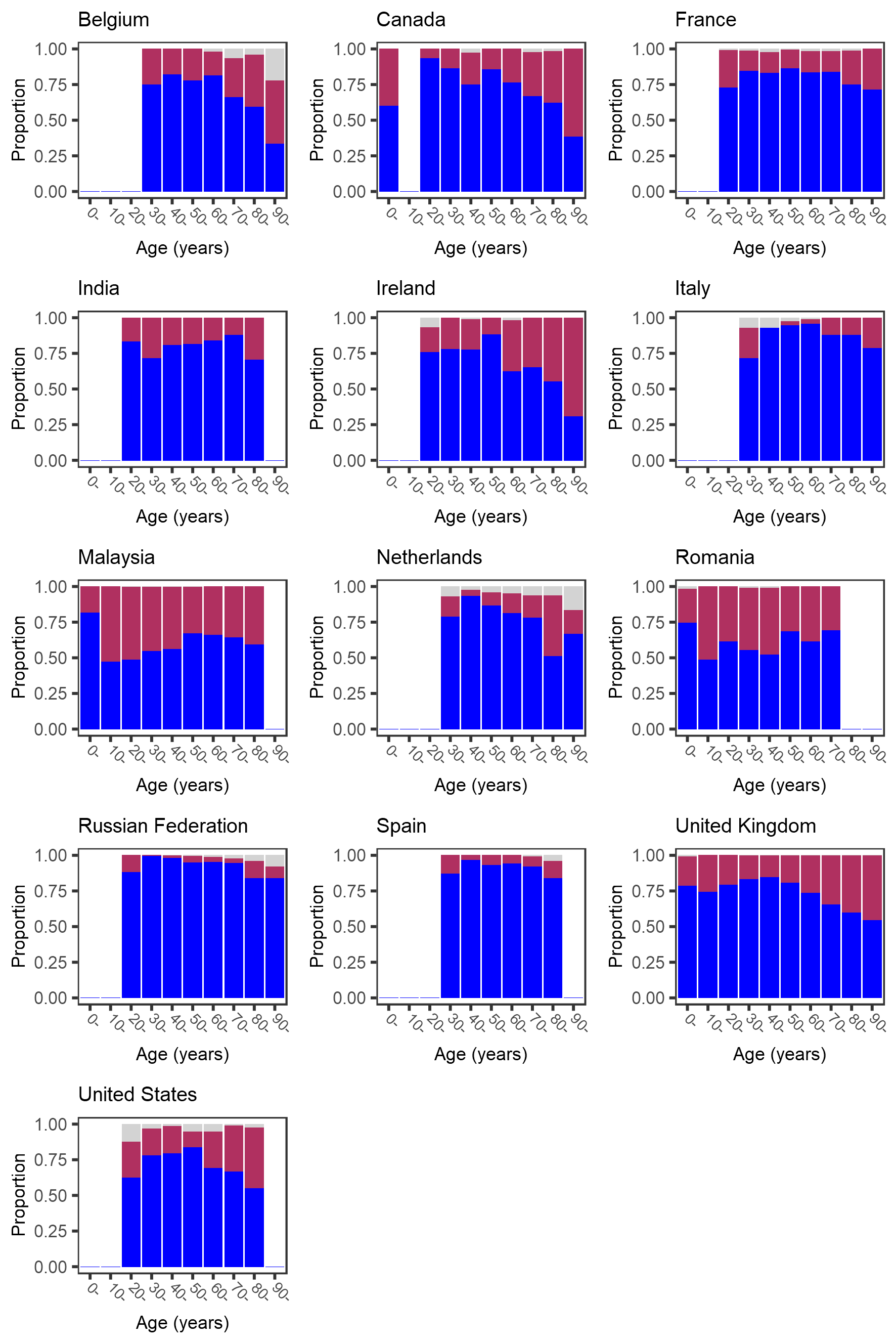
**Supplementary Figure 1. Violin plot of age distribution of patients recruited by country.**

The outline area shows the age distribution within each country. The cross marks the median age and the vertical lines mark the interquartile range. Countries with fewer than ten patients are included as ‘Other’.



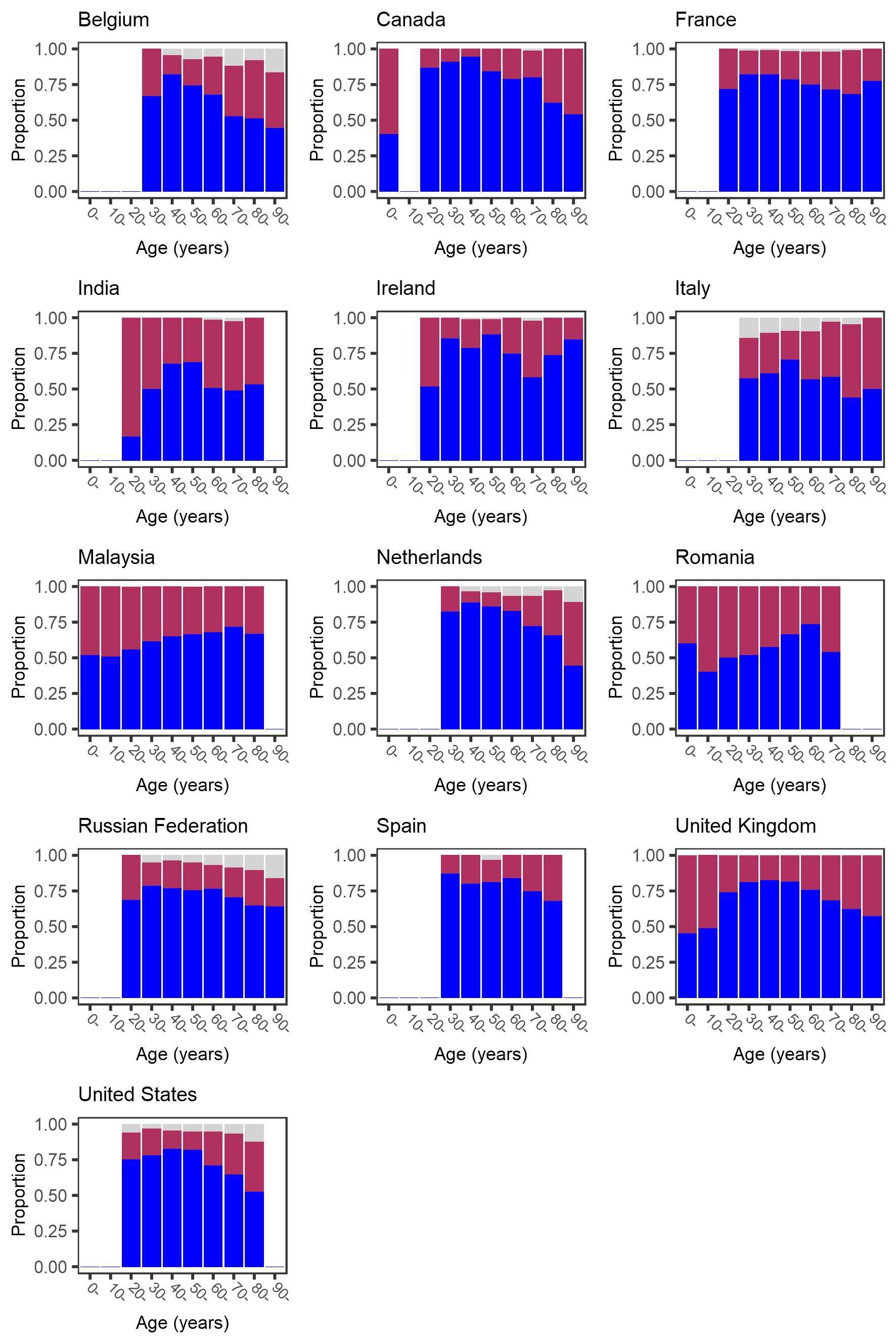
**Supplementary Figure 3. Age-specific prevalence of symptoms at hospital admission with covid‑19, excluding patients recruited in the United Kingdom.**

Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data.



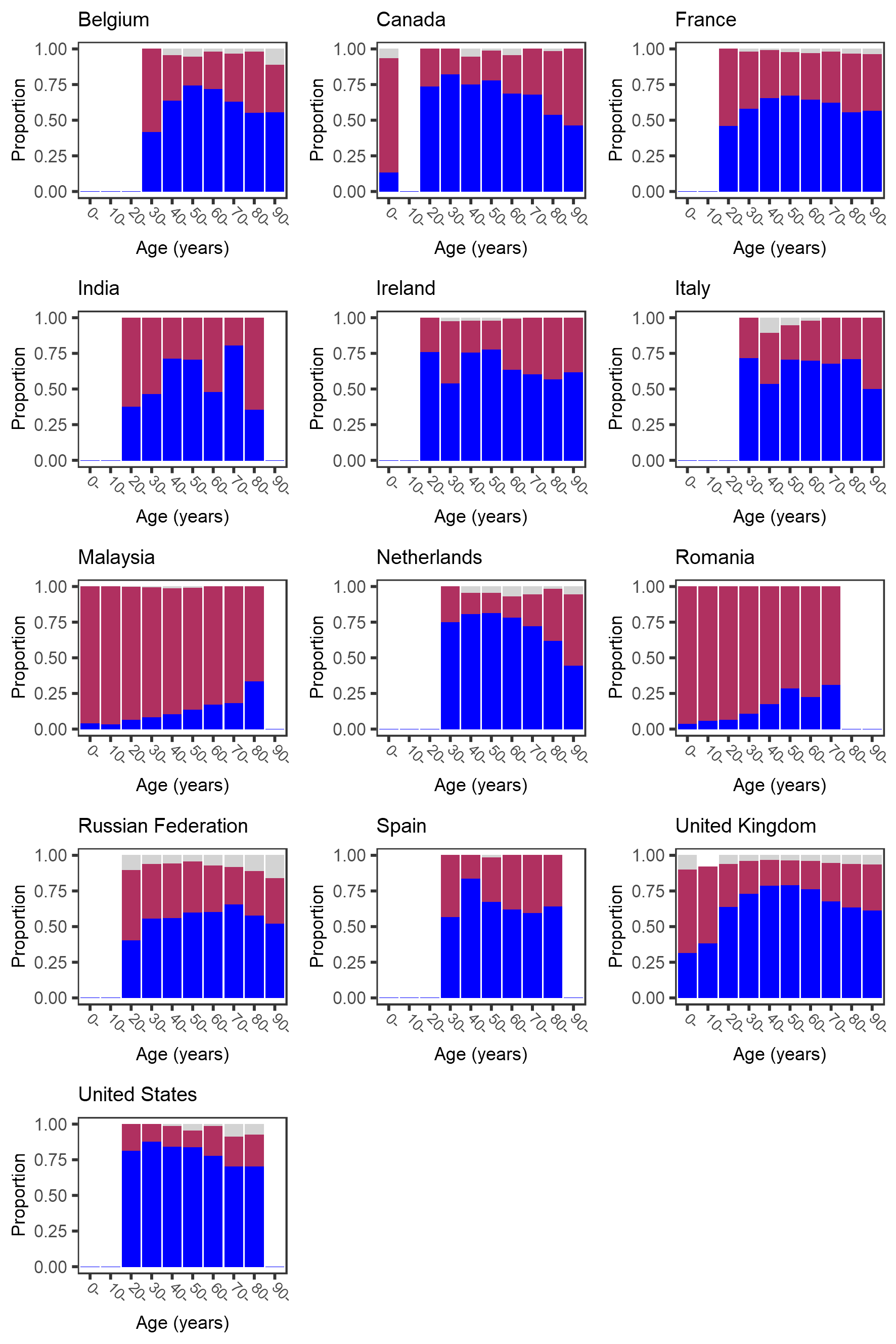
**Supplementary Figure 3. Age-specific prevalence of fever at hospital admission with covid‑19.**

Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.

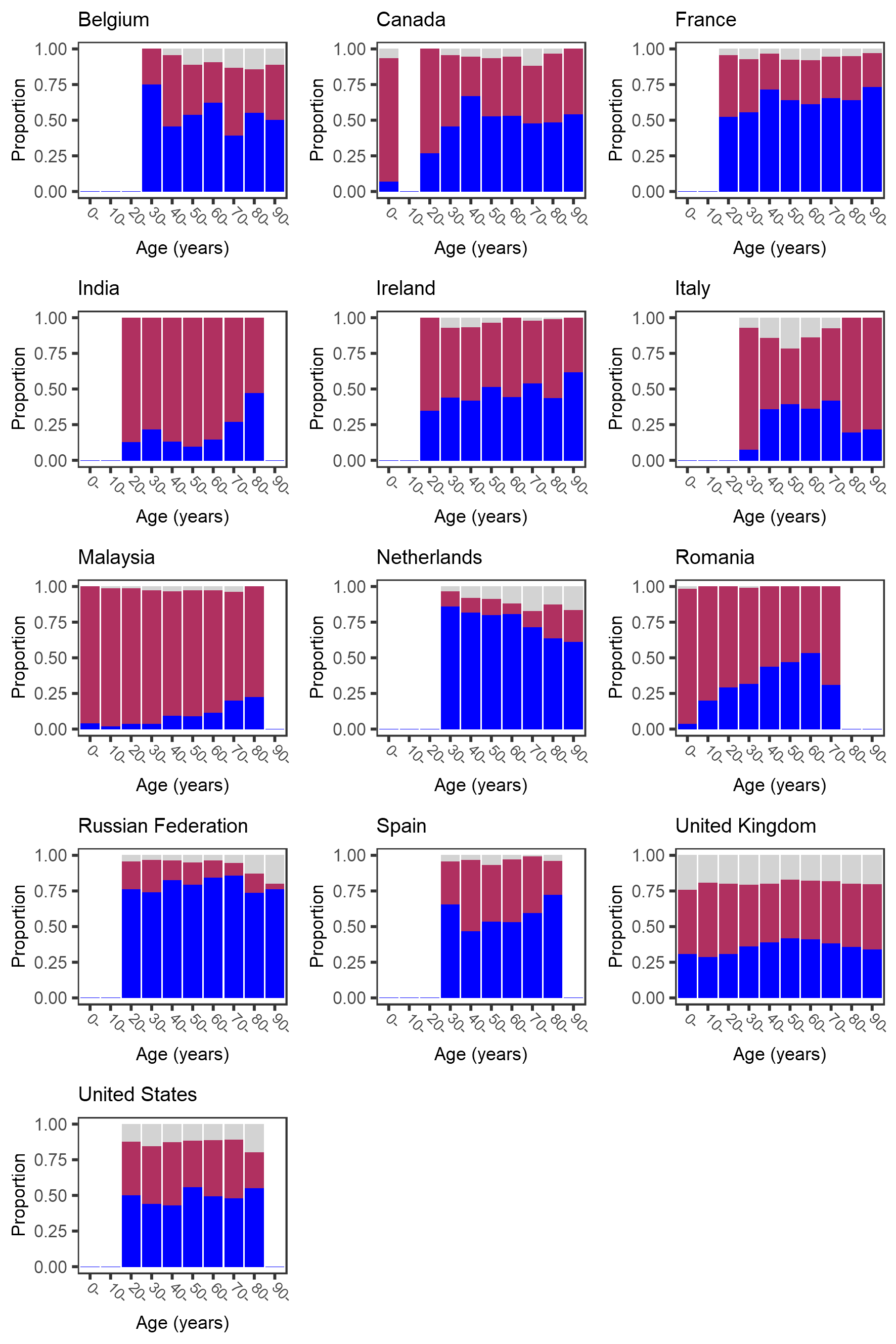


**Supplementary Figure 4. Age-specific prevalence of cough at hospital admission with covid‑19.**

Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.

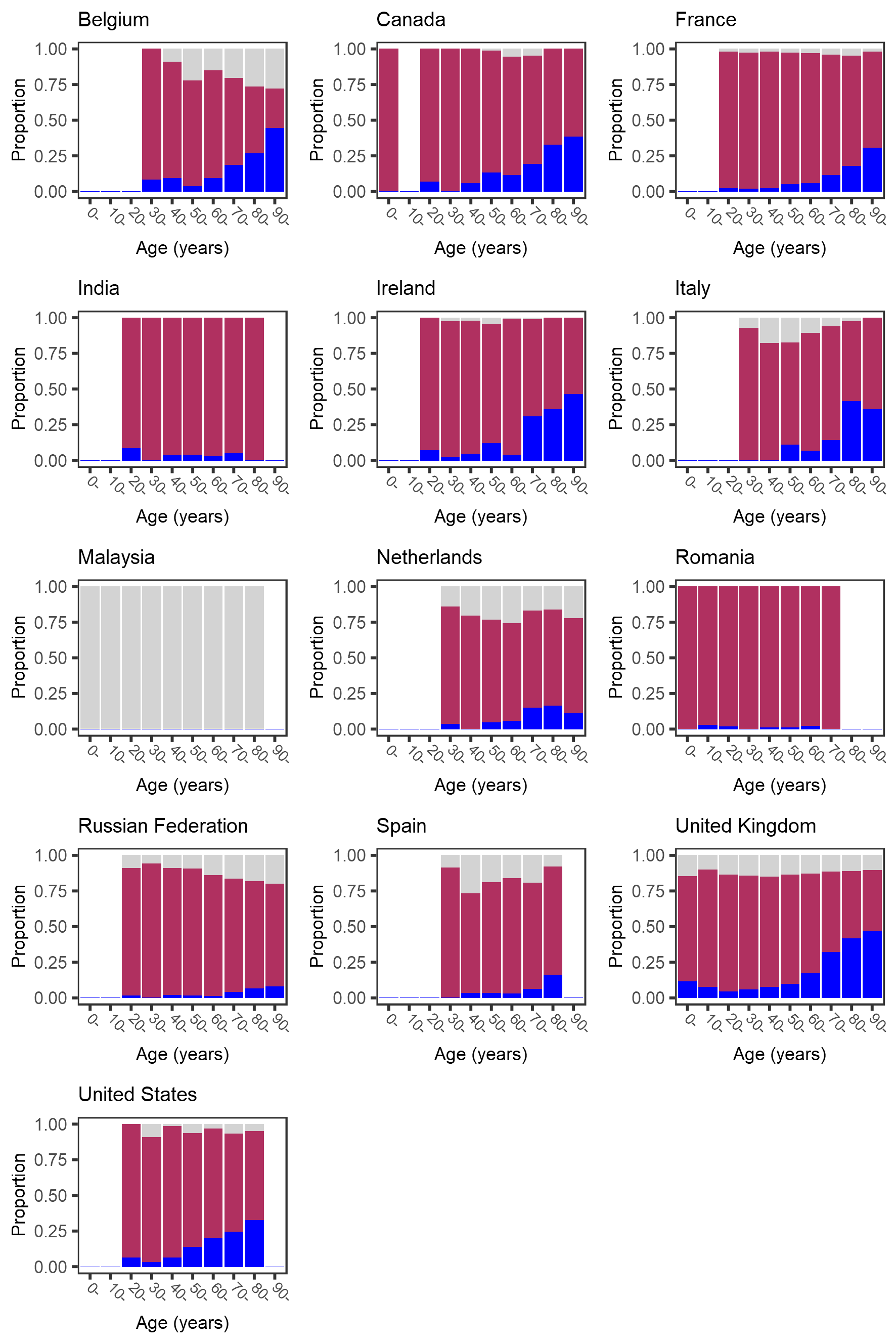


**Supplementary Figure 5. Age-specific prevalence of shortness of breath at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



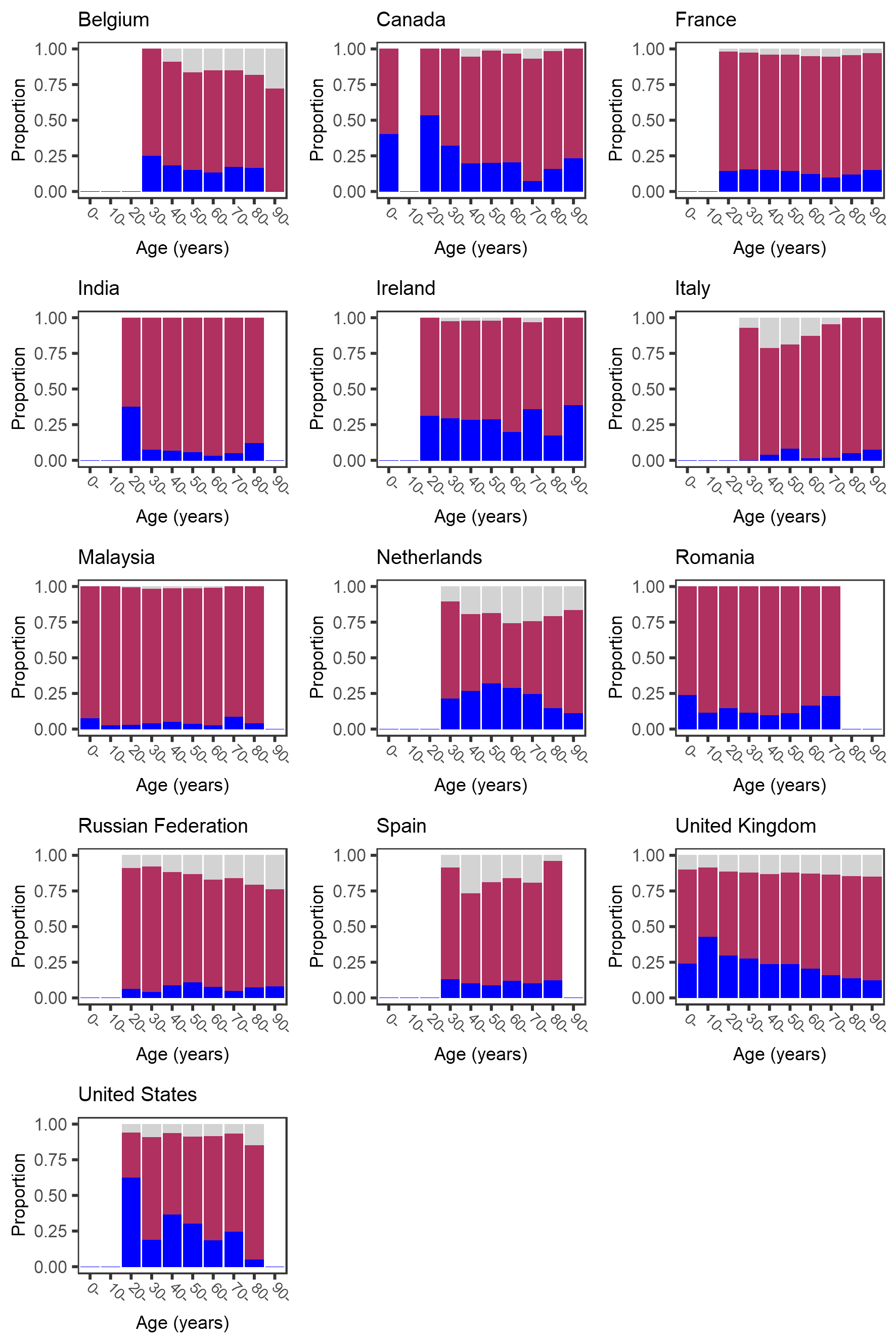
**Supplementary Figure 6. Age-specific prevalence of fatigue at hospital admission with covid‑19.**

Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.

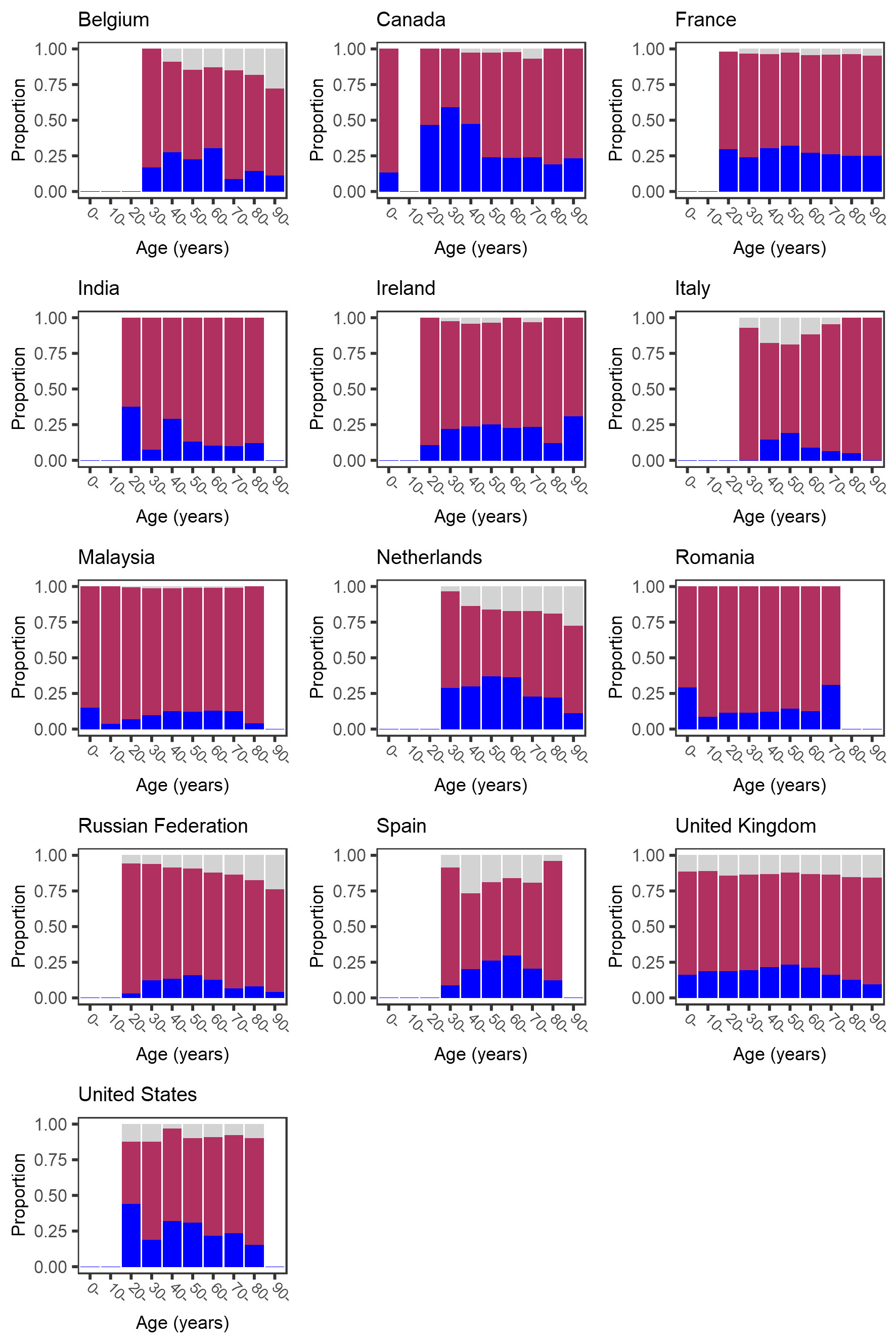


**Supplementary Figure 7. Age-specific prevalence of confusion at hospital admission with covid‑19.**

Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.

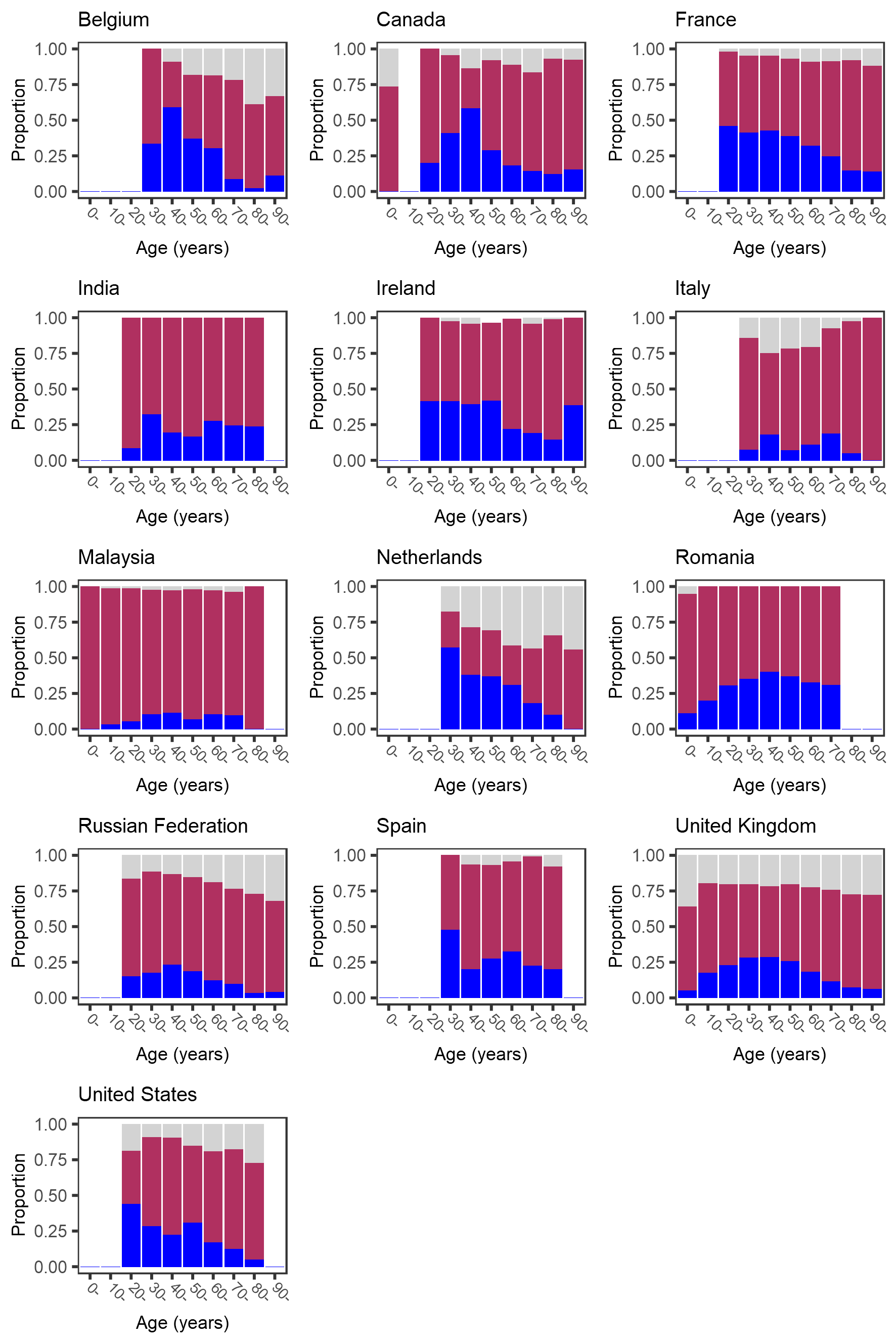


**Supplementary Figure 8. Age-specific prevalence of nausea and vomiting at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.

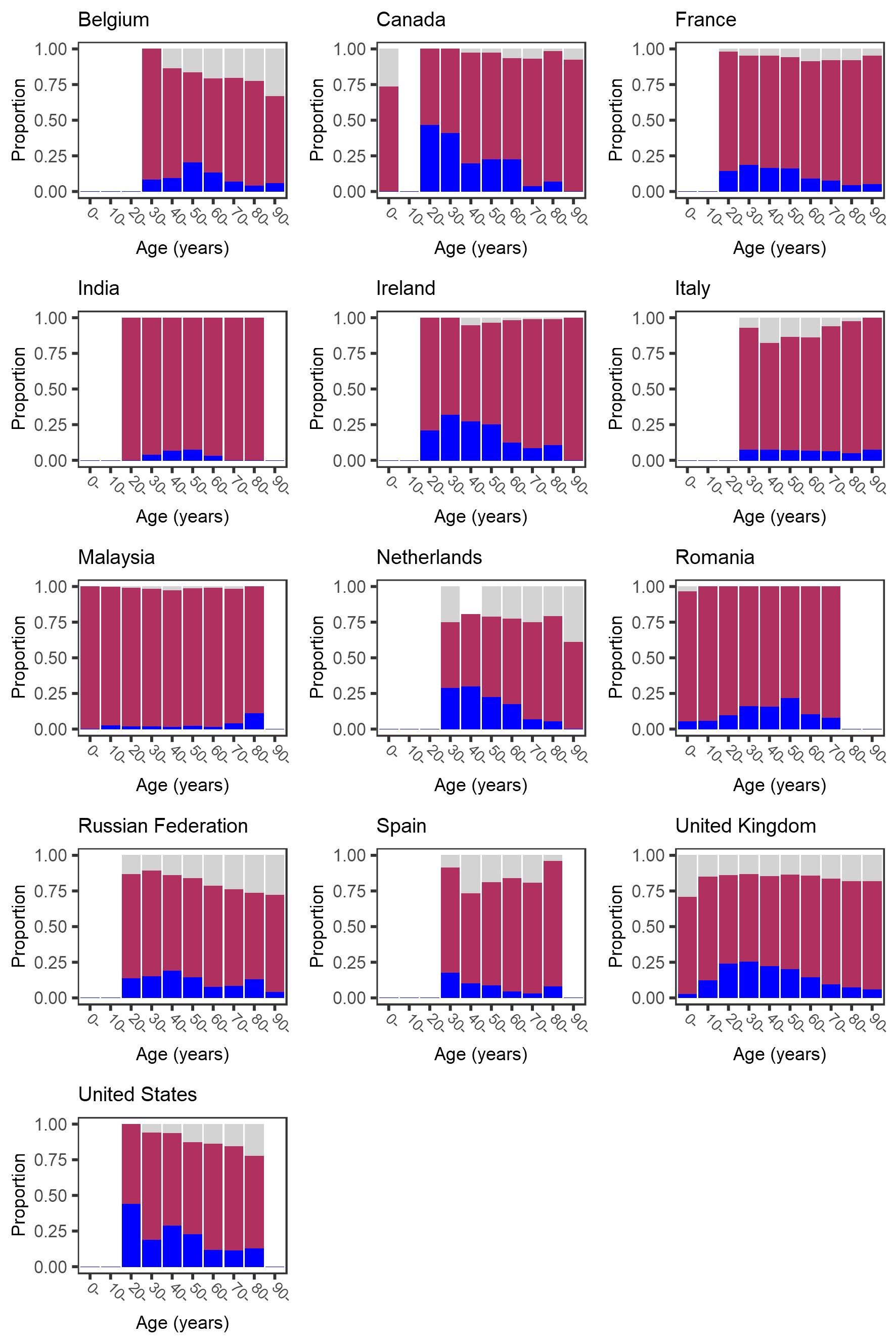


**Supplementary Figure 9. Age-specific prevalence of diarrhoea at hospital admission with covid‑19.**

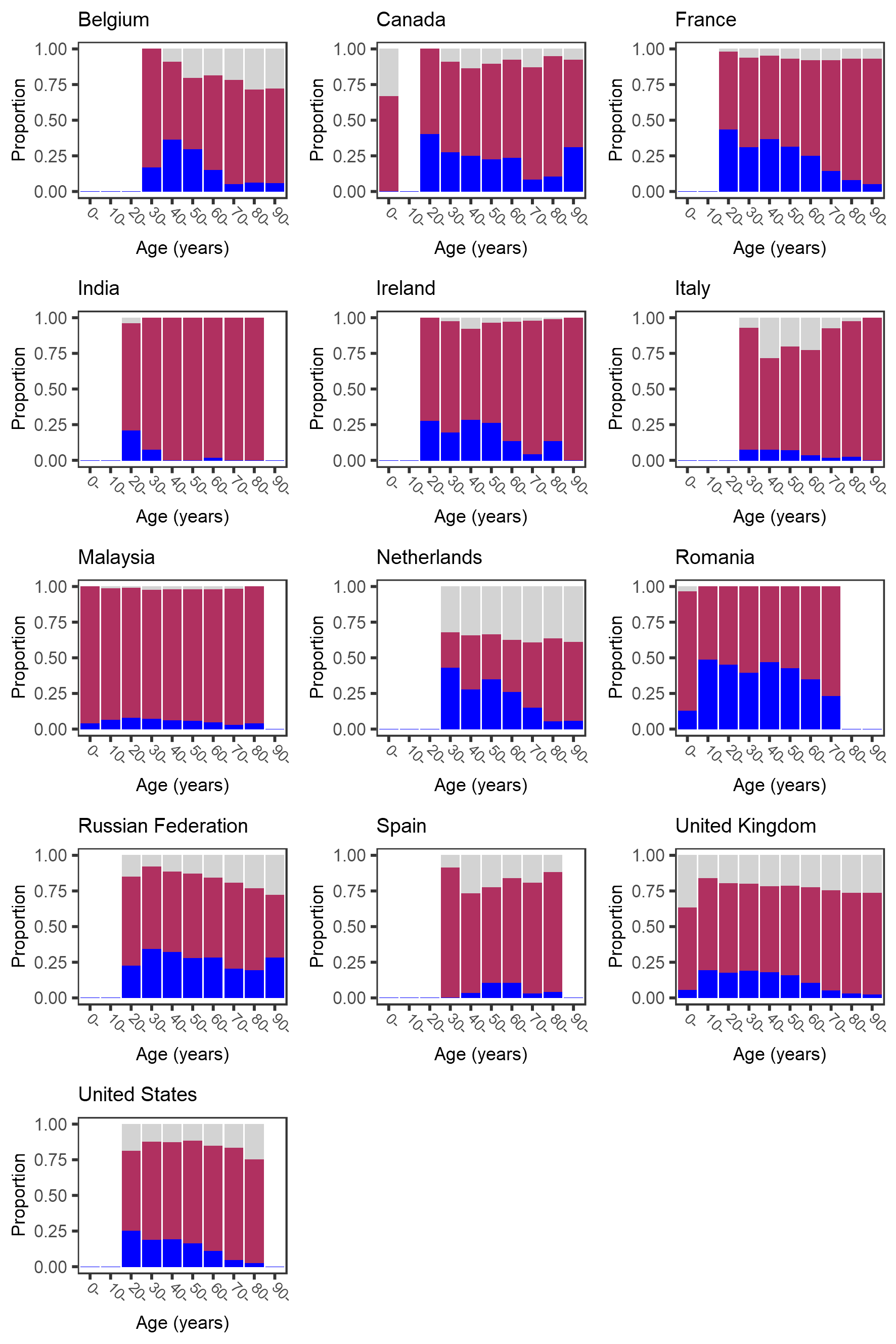
Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



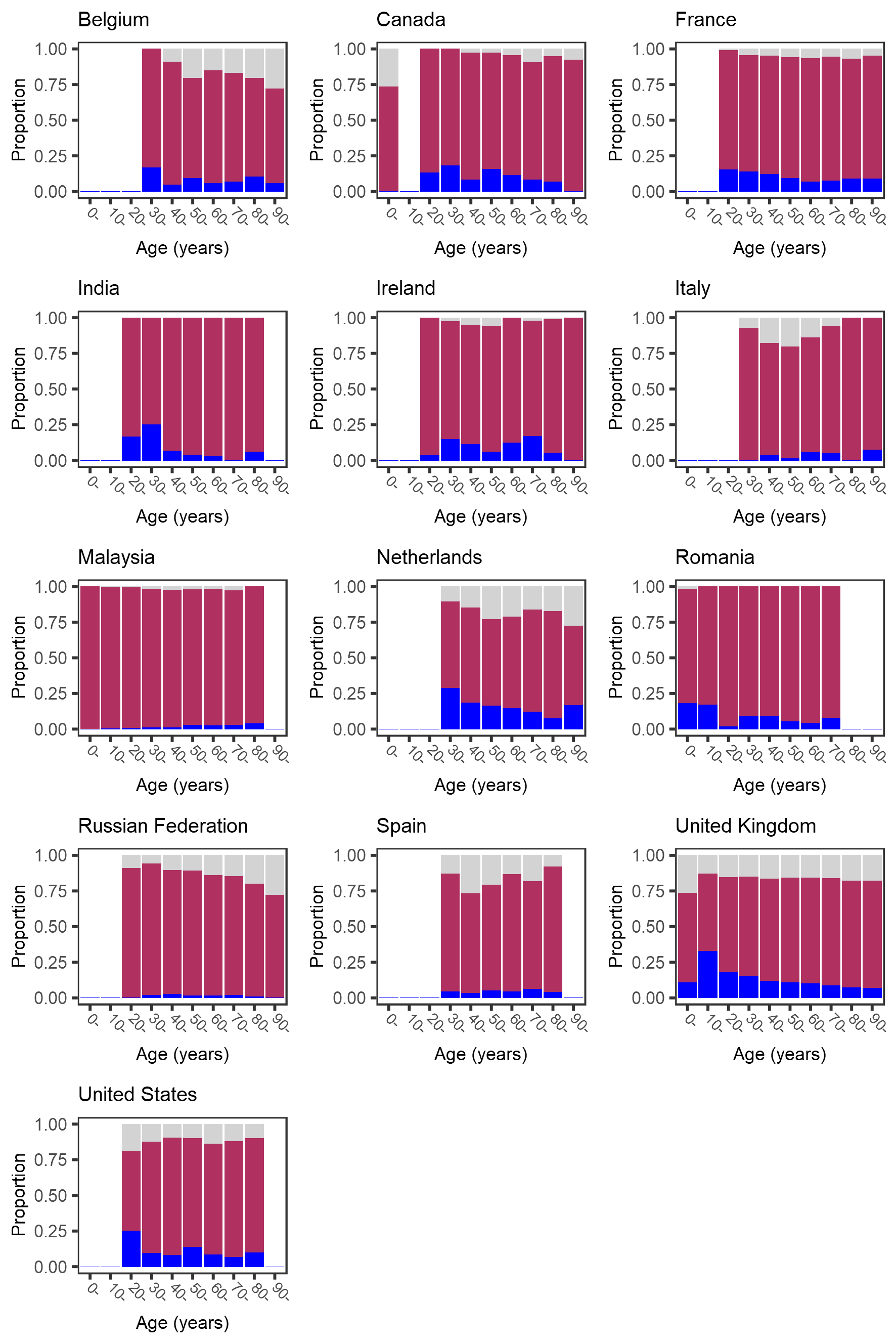
**Supplementary Figure 10. Age-specific prevalence of muscle pains at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



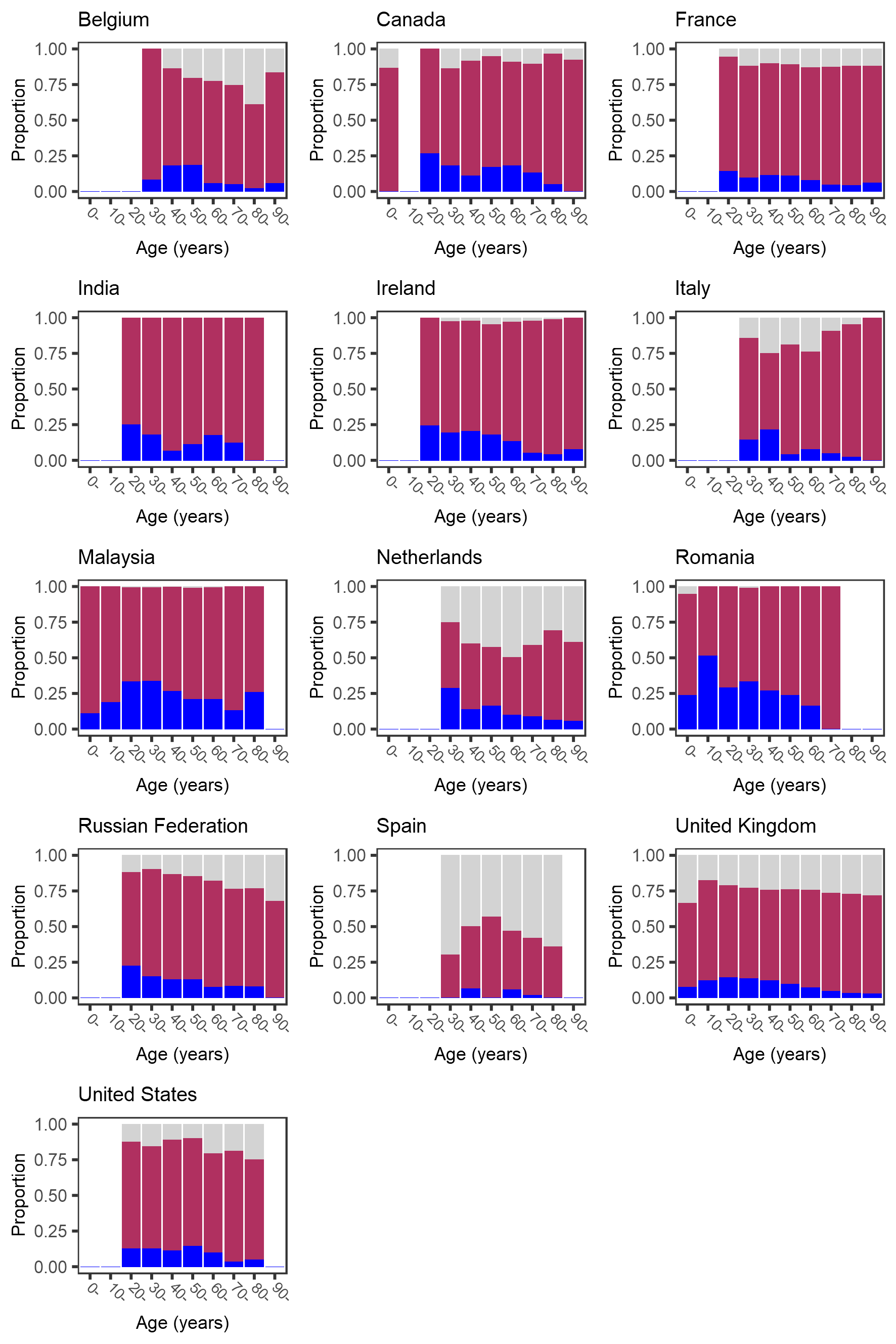
**Supplementary Figure 11. Age-specific prevalence of chest pain at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



**Supplementary Figure 12. Age-specific prevalence of headache at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



**Supplementary Figure 13. Age-specific prevalence of abdominal pain at hospital admission with covid‑19.** Dark blue bars show symptom present, maroon bars show symptom absent, pale grey bars show missing data. Bars that would represent <10 individuals are omitted.



**Supplementary Figure 14. Age-specific prevalence of sore throat at hospital admission with covid‑19.**

Bars that would represent <10 individuals are omitted.

**CRediT author statement (based on Brand et al., 2015, doi: 10.1087/20150211)**

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