

Supplementary methods

List of sites included:

United Kingdom:

- Imperial College London (n=7, 1.41%)
- University College London (n=20, 4.04%)
- Barts and the London (n=21, 4.24%)
- Chelsea and Westminster Hospital (n=53, 10.71%)
- Guys and St Thomas CC hospital (n=23, 4.65%)
- Velindre Cancer Center, Cardiff (n=8, 1.62%)

Spain:

- Hospital Clinic Barcelona (n=10, 2.02%)
- Vall d'Hebron University Hospital, Barcelona (n=31, 6.26%)
- ICO Girona (n=14, 2.83%)
- ICO Badalona (n=16, 3.23%)
- ICO L'Hospitalet de Llobregat, Barcelona (n=22, 4.44%)
- Hospital Son Llatzer, Palma de Mallorca (n=4, 0.81%)
- Hospital XII de Octubre, Madrid (n=15, 3.03%)
- Hospital Althaia, Manresa (n=33, 6.67%)

Italy:

- Ospedale Maggiore della Carità, Novara (n=33, 6.67%)
- Policlinico San Matteo, Pavia (n=15, 3.03%)
- Humanitas Cancer Centre, Milan (n=19, 3.84%)
- IRCCS Ospedale Policlinico San Martino, Genova (n=16, 3.23%)
- Ospedale Antonio e Bagio e Cesare Arrigo, Alessandria (n=3, 0.61%)
- Università Campus Bio-Medico, Rome (n=2, 0.40%)
- Ospedale Papa Giovanni XXIII, Bergamo (n=31, 6.26%)
- Fondazione Poliambulanza Instituto Osped (n=1, 0.20%)
- Azienda Istituti Ospitalieri di Cremona (n=25, 5.05%)
- Azienda Ospedaliera Spedali Civili and University of Brescia (n=9, 1.82%)
- Università dell'Aquila (n=14, 2.83%)

- Azienda Ospedaliero Universitaria Careggi (n=1, 0.20%)
- ASL Latina (n=1, 0.20%)
- Università Politecnica delle Marche (n=3, 0.61%)
- Azienda Ospedaliera Santa Maria, Terni (n=2, 0.40%)

Germany

- University of Munich (n=8, 1.62%)

Belgium

- Institute Jules Bordet, Brussels (n=5, 1.01%)

France

- Institute Gustave-Roussy, Villejuif (n=30, 6.06%)