

**Real-time national survey of COVID-19 in hemoglobinopathy and rare inherited anemia patients**

Paul Telfer,<sup>1</sup> Josu de la Fuente,<sup>2,3</sup> Mamta Sohal,<sup>2</sup> Ralph Brown,<sup>2</sup> Perla Eleftheriou,<sup>4</sup> Noémi Roy,<sup>5,6</sup> Frédéric B. Piel,<sup>7</sup> Subarna Chakravorty,<sup>8</sup> Kate Gardner,<sup>9</sup> Mark Velangi,<sup>10</sup> Emma Drasar,<sup>4,11</sup> Farrukh Shah,<sup>4,11</sup> John B. Porter,<sup>4</sup> Sara Trompeter,<sup>4,12</sup> Wale Atoyebi,<sup>5</sup> Richard Szydlo,<sup>13</sup> Kofi A. Anie,<sup>14</sup> Kate Ryan,<sup>15</sup> Joseph Sharif,<sup>15</sup> Josh Wright,<sup>16</sup> Emma Astwood,<sup>17</sup> C. Sarah Nicolle,<sup>18</sup> Amy Webster,<sup>18</sup> David J. Roberts,<sup>5,6,20</sup> Samme Lugthart,<sup>21</sup> Banu Kaya,<sup>1</sup> Moji Awogbade,<sup>8</sup> David C. Rees,<sup>8</sup> Rob Hollingsworth,<sup>22</sup> Baba Inusa,<sup>9</sup> Jo Howard<sup>9</sup> and D. Mark Layton<sup>2,3</sup> for the Hemoglobinopathy Coordinating Centers and National Hemoglobinopathy Panel, England

<sup>1</sup>Barts Health NHS Trust, London; <sup>2</sup>Imperial College Healthcare NHS Trust, London; <sup>3</sup>NIHR Imperial Biomedical Research Centre, London; <sup>4</sup>University College London Hospitals NHS Foundation Trust, London; <sup>5</sup>John Radcliffe Hospital, Oxford; <sup>6</sup>NIHR Biomedical Research Centre, Oxford; <sup>7</sup>School of Public Health, Faculty of Medicine, Imperial College London, London; <sup>8</sup>King's College Hospital NHS Foundation Trust, London; <sup>9</sup>Guy's and St Thomas' NHS Foundation Trust, London; <sup>10</sup>Birmingham Children's Hospital, Birmingham; <sup>11</sup>Whitington Health NHS Trust, London; <sup>12</sup>NHS Blood and Transplant, London; <sup>13</sup>Imperial College, London; <sup>14</sup>London North West University Healthcare NHS Trust, London; <sup>15</sup>Manchester University NHS Foundation Trust, Manchester; <sup>16</sup>Sheffield Teaching Hospital, Sheffield; <sup>17</sup>Sheffield Children's Hospital, Sheffield; <sup>18</sup>University Hospitals Coventry and Warwickshire NHS Trust, Coventry; <sup>19</sup>University Hospitals of Leicester, Leicester; <sup>20</sup>NHS Blood and Transplant, Oxford; <sup>21</sup>University Hospitals Bristol, Bristol, UK and <sup>22</sup>Medical Data Solutions and Services, Manchester, UK

Correspondence:

MARK LAYTON - [m.layton@imperial.ac.uk](mailto:m.layton@imperial.ac.uk)

[doi:10.3324/haematol.2020.259440](https://doi.org/10.3324/haematol.2020.259440)



Haemoglobin E  
beta  
thalassaemia non  
transfusion  
dependent

Haemoglobin H  
disease

Other  
thalassaemia

Congenital  
dyserythropoietic  
anaemia

Congenital  
sideroblastic  
anaemia

Diamond  
Blackfan anaemia  
(DBA)

Pyruvate kinase  
deficiency

Hereditary  
spherocytosis  
with  
splenectomy

Other rare  
inherited  
anaemia

Other