## PAPER C: Report of SRI activities and Impact for the year November 2020 to November 2021

## **EXECUTIVE SUMMARY.**

- □ We appointed a new fixed term systematic reviewer to work with the core SRI team primarily on rapid reviews.
- Our reviews have contributed to 36 international and national guidelines and the Transfusion Evidence Library has been referenced in at least 16 papers.
- **□** Five new research grant applications have been made using evidence taken from one of our systematic reviews.
- **□** Eight systematic full reviews and three protocols were completed and published (see citations detailed on page 2).
- **u** Two of the completed full reviews and three protocols were focused on possible treatments for Covid-19.
- U We have continued to search and screen COVID-19 references, but since the summer of 2021 have focused on relevant RCTs and systematic reviews only.
- We have begun a new collaboration with ISBT, *The Transfusion Evidence Round Up*, which is a quarterly email to ISBT members and our Transfusion Evidence Alert subscribers highlighting the top 10 papers on our libraries on a particular theme. The first Round Up on *Safe Maternal and Newborn Care* was released on 17<sup>th</sup> September 2021 which was World Patient Safety Day 2021
- □ We have been working with Procurement in NHSBT to continue our working relationship with Evidentia Publishing for our electronic libraries from January 2022.
- □ We launched our 'free at the point of access' Transfusion Evidence Library on 1<sup>st</sup> January 2021.
- U We provide our monthly evidence alerts to the journal *Transfusion Medicine Reviews* for use in their Journal Club which is led by Simon Stanworth
- We have continued to grow our Twitter accounts [@TransfusionLib, @sritransfusion and @stemcell] to engage with our library communities increase our dissemination activities.

## Change to SRI management during 2021.

In February 2021 the management of the SRI changed. Whilst the management of the workplan and the decision about priorities and the clinical and research way forward for the group remained with the SRI PIs, Lise Estcourt, Simon Stanworth and Mike Murphy, the business and line management of the SRI was moved to within a newly formed team, the Statistics and Clinical Research Team, headed by Rachel Johnson. So far, this arrangement has worked well and has given and hopefully will continue to give the SRI a stronger footing within NHSBT research activities. Another change is ongoing, following the retirement from full time activities of Mike Murphy. Over the next few months, we will see the full transition of the SRI main leadership from Mike Murphy to Lise Estcourt. Mike will continue to support the SRI and Simon Stanworth remains as a PI with the SRI.

Section	Our Evidence
Publications since November 2020 [last face to face	Desborough MJR, Obaji S, Lowe GC, <b>Doree C</b> , Thomas W. Management of surgery, menorrhagia and child-birth for patients with unclassified bleeding disorders: a systematic review of cohort studies. <i>Blood Coagulation and Fibrinolysis</i> . 2021 May 10. doi: 10.1097/MBC.000000000001045. Epub ahead of print. PMID: 33973892.
meeting]; listed alphabetically by first author.	Ernst M, Oeser A, Besiroglu B, Caro-Valenzuela J, Abd El Aziz M, Monsef I, Borchmann P, <b>Estcourt LJ</b> , Skoetz N, Goldkuhle M. Chimeric antigen receptor (CAR) T-cell therapy for people with relapsed or refractory diffuse large B-cell lymphoma. <i>Cochrane Database Systematic Reviews</i> 2021 Sep 13;9(9):CD013365. doi: 10.1002/14651858.CD013365.pub2. PMID: 34515338; PMCID: PMC8436585.
[Authors in bold are members of the	Geneen LJ, Brunskill SJ, Doree C, Estcourt LJ, Green J. The difference in potential harms between whole blood and component blood transfusion in major bleeding: a rapid systematic review and meta-analysis of RCTs. <i>Transfusion Medicine Reviews</i> – accepted for publication.
*Covid-19 publications	* Hirsch C, Valk SJ, Piechotta V, Chai KL, <b>Estcourt LJ</b> , Monsef I, Salomon S, Tomlinson E, Popp M, Wood EM, So-Osman C, Roberts DJ, McQuilten Z, Skoetz N, Kreuzberger N. SARS-CoV-2-neutralising monoclonal antibodies to prevent COVID-19 (Protocol). Cochrane Database of Systematic Reviews 2021, Issue 5. Art. No.: CD014945. DOI: 10.1002/14651858.CD014945.
	* Iannizzi C, Dorando E, Burns J, Weibel S, Dooley C, Wakeford H, Estcourt LJ, Skoetz N, Piechotta V. Methodological challenges for living systematic reviews conducted during the COVID-19 pandemic: A concept paper. J Clin Epidemiol. 2021 Sep 12;141:82-89. doi: 10.1016/j.jclinepi.2021.09.013. Online ahead of print. PMID: 34525406
	*Kimber C, Valk SJ, Chai KL, Piechotta V, Iannizzi C, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, <b>Estcourt LJ</b> , Skoetz N. Hyperimmune immunoglobulin for people with COVID-19 ( <b>Protocol</b> ). <i>Cochrane Database of Systematic Reviews</i> 2021, Issue 10. Art. No.: CD015167. DOI: 10.1002/14651858.CD015167.
	*Kreuzberger N, Hirsch C, Chai KL, Tomlinson E, Khosravi Z, Popp M, Neidhardt M, Piechotta V, Salomon S, Valk SJ, Monsef I, Schmaderer C, Wood EM, So-Osman C, Roberts DJ, McQuilten Z, <b>Estcourt LJ</b> , Skoetz N. SARS-CoV-2-neutralising monoclonal antibodies for treatment of COVID- 19. <i>Cochrane Database Systematic Reviews</i> . 2021 Sep 2;9(9):CD013825. doi: 10.1002/14651858.CD013825.pub2. PMID: 34473343; PMCID: PMC8411904.
	*Piechotta V, Iannizzi C, Chai KL, Valk SJ, <b>Kimber C,</b> Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, <b>Estcourt LJ,</b> Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane</i> <i>Database Systematic Reviews</i> . 2021 May 20;5(5):CD013600. doi: 10.1002/14651858.CD013600.pub4. PMID: 34013969; PMCID: PMC8135693.

Section	Our Evidence
	Sanderson B, Coiera E, Asrianti L, Field J, <b>Estcourt LJ,</b> Wood EM. How well does your massive transfusion protocol perform? A scoping review of quality indicators. <i>Blood Transfusion</i> . 2020 Nov;18(6):423-433. doi: 10.2450/2020.0082-20. Epub 2020 Sep 18. PMID: 32955419; PMCID: PMC7605884.
	Shah AA, Donovan K, Seeley C, Dickson EA, Palmer AJR, Doree C, Brunskill S, Reid J, Acheson AG, Sugavanam A, Litton E, Stanworth SJ. Risk of Infection Associated with Administration of Intravenous Iron. A Systematic Review and Meta-analysis. JAMA Network Open 2021 4(11) e2133935
	*Valk SJ, Piechotta V, <b>Kimber C</b> , Chai KL, Monsef I, <b>Doree C</b> , Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, <b>Estcourt LJ</b> , Skoetz N. Convalescent plasma and hyperimmune immunoglobulin to prevent infection with SARS-CoV-2 <b>(Protocol)</b> . Cochrane Database of Systematic Reviews 2021, Issue 1. Art. No.: CD013802. DOI: 10.1002/14651858.CD013802.
Collaborations with	We have collaborated with many clinicians and researchers over the last 12 months. Their names and affiliations are provided here:
people outside the	
SRI. These have	Stem Cell Evidence:
been grouped by	Dr James Griffin – NHSBT Bristol, UK.
type of project.	Mr John Muth - Evidentia Publishing, UK;
	Mr Mark Schregardus – Evidentia Publishing, The Netherlands.
New collaborators	
this year are	NIHR Cochrane Programme Grant
identified by an * at	Cochrane Heart Group [co-applicant].
the beginning of	Cochrane Injuries Group [co-applicant];
their details.	Cochrane Vascular Group.
	Chris Champion – Cochrane Editorial Unit.
	Dr Nikki Curry - Oxford University Hospitals NHS Foundation Trust, UK [co-applicant];
	Toby Lasserson – Cochrane Editorial Unit.
	Nancy Owens – Covidence.
	Professor Nicky Welton – University of Bristol.
	Dr Kirstin Wilkinson - University Hospital Southampton, UK [co-applicant].
	Covid-19 collaborators:

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	ASH COVID-19 research agenda
	AABB Convalescent plasma guidelines
	ISBT convalescent plasma group
	Systematic review collaborators:
	*Dr Jaz Bahra - Oxford University Hospitals NHS Foundation Trust, UK.
	Tamara Brown – University of Stirling, Stirling, UK.
	Dr Tom Bullock – NHSBT, UK.
	Dr Rebecca Cardigan - NHSBT, UK.
	Evelyn Clarke - Oxford University Hospitals NHS Foundation Trust, UK.
	Dr Nikki Curry - Oxford University Hospitals NHS Foundation Trust, UK.
	Paula Dhiman – University of Oxford, Oxford, UK.
	*Dr Elissa Dhillon - Oxford University Hospitals NHS Foundation Trust, UK.
	Dr Vishakha Erasu - Oxford University Hospitals NHS Foundation Trust, UK.
	Dr Jez Fabes – Royal Free NHS Foundation Trust, London, UK.
	*Dr Stephen Fry – UK Armed Forces.
	Dr Laura Green – NHSBT & Barts Health NHS Trust, UK.
	Dr George Greenhall - NHSBT, UK.
	*Dr Aqib Hafeez - Oxford University Hospitals NHS Foundation Trust, UK.
	Dr Ruchi Kohli - Queen Mary University of London & Barts Health NHS Trust, UK.
	Dr Abi Lamikanra - NHSBT, & University of Oxford, Oxford, UK.
	*Dr Victor Lin – The Royal Melbourne Hospital, Australia.
	Dr Tom Lloyd - Oxford University Hospitals NHS Foundation Trust, UK.
	Dr Eleni Louka - University of Oxford and Oxford University Hospitals NHS Foundation Trust, UK;
	Jo Mccullagh – Barts Health NHS Trust, UK.
	Hollie McKenna - NHSBT, UK.
	Dr Zoe McQuilten - Monash University, Melbourne, Australia.
	Dr Edwin Massey – NBSHT, UK.
	*Dr Athina Meli – NHSBT, UK.
	Dr Yazan Migdady – National Heart, Lung and Blood Institute, Washington, USA.
	Dr Allison Mo - Monash University, Melbourne, Australia.

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	Ina Monsef - Cochrane Haematology, Cologne, Germany.
	Dr Ross Moy - Oxford University Hospitals NHS Foundation Trust, UK
	Dr Helen New – Imperial College, London and NHSBT, UK
	*Dr Gaurav Nigam - Oxford University Hospitals NHS Foundation Trust, UK
	Dr Alex Novak - Oxford University Hospitals NHS Foundation Trust, UK
	Dr Antony Palmer – University of Oxford and Oxford University Hospitals NHS Foundation Trust, UK
	Vanessa Piechotta – Cochrane Haematology, Cologne, Germany.
	Mr Parag Raval – University Hospitals of Leicester, UK.
	Dr Noemi Roy - Oxford University Hospitals NHS Foundation Trust, UK
	Dr David J Roberts – NHSBT and University of Oxford, UK
	Dr Akshay Shah - Oxford University Hospitals NHS Foundation Trust, UK
	Dr Nicole Skoetz – Cochrane Cancer, Cologne, Germany.
	*Dr Kathy Taylor — University of Oxford, UK
	*Dr Harriet Tucker – St George's University Hospital, London, UK
	Sarah Valk – Leiden University, Netherlands.
	Dr Ed Watson - Oxford University Hospitals NHS Foundation Trust UK.
	Dr Kirstin Wilkinson – University Hospital Southampton NHS Foundation Trust, UK.
	*Dr Julia Wolf – NHSBT, UK.
	Dr Erica Wood - Transfusion Research Unit, Melbourne, Australia.
Further Funding	Three funding applications were made between November 2020 and November 2021:
	1) Lise Estcourt applied to NHSBT infrastructure funding WP20/02 in November 2020 for money to fund a part time systematic reviewer
	post for 12 months from 1 <sup>st</sup> April 2021. The application was successful, and although we were delayed in recruitment to this post, Josie
	Sandercock joined the SRI in September 2021 and has been a great asset already.
	2) Susan Brunskill applied to NHSBT NIHR Research Capability Funds in August 2021 for money to cover the maternity leave salaries of Dr's Anair Beverly [2 maternity leaves] and Dr Naomi Gibbs [1 maternity leave]. The application was successful, and all funds requested were granted.
	3) Lise Estcourt applied for an NIHR - Evidence Synthesis Programme Incentive Award (outcome unknown)

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Next Destination &	Dr Giok Ong, a Systematic Reviewer left the SRI in August 2021 at the end of her fixed term contract.
JKIIIJ	Dr Akshay Shah completed his PhD and Academic Clinical Fellowship post in spring 2021 and returned to clinical practice before taking up an Academic Clinical Lectureship at Oxford University Hospitals NHS Foundation Trust in November 2021. During his time working with the SRI, Dr Shah published the following systematic reviews:
	<ul> <li>Browne A, Fisher SA, Masconi K, Smith G, Doree C, Chung R, Rahimzadeh M, Shah A, Rodriguez SA, Bolton T, Kaptoge S, Wood A, Sweeting M, Roberts DJ. Donor Deferral Due to Low Hemoglobin-An Updated Systematic Review. Transfus Med Rev. 2020 Jan;34(1):10-22. doi: 10.1016/j.tmrv.2019.10.002. Epub 2019 Oct 31. PMID: 31806414.</li> </ul>
	<ul> <li>Shah A, Brunskill SJ, Desborough MJ, Doree C, Trivella M, Stanworth SJ. Transfusion of red blood cells stored for shorter versus longer duration for all conditions. Cochrane Database Syst Rev. 2018 Dec 22;12(12):CD010801. doi: 10.1002/14651858.CD010801.pub3. PMID: 30578732; PMCID: PMC6516801.</li> </ul>
	• Shah A, Fisher SA, Wong H, Roy NB, McKechnie S, Doree C, Litton E, Stanworth SJ. Safety and efficacy of iron therapy on reducing red blood cell transfusion requirements and treating anaemia in critically ill adults: A systematic review with meta-analysis and trial sequential analysis. J Crit Care. 2019 Feb;49:162-171. doi: 10.1016/j.jcrc.2018.11.005. Epub 2018 Nov 10. PMID: 30448516.
	• Shah A, Palmer AJR, Fisher SA, Rahman SM, Brunskill S, Doree C, Reid J, Sugavanam A, Stanworth SJ. What is the effect of perioperative intravenous iron therapy in patients undergoing non-elective surgery? A systematic review with meta-analysis and trial sequential analysis. Perioper Med (Lond). 2018 Dec 12;7:30. doi: 10.1186/s13741-018-0109-4. PMID: 30559962; PMCID: PMC6290500.
	<ul> <li>Shah A, Roy NB, McKechnie S, Doree C, Fisher SA, Stanworth SJ. Iron supplementation to treat anaemia in adult critical care patients: a systematic review and meta-analysis. Crit Care. 2016 Sep 29;20(1):306. doi: 10.1186/s13054-016-1486-z. PMID: 27681259; PMCID: PMC5041556.</li> </ul>
Engagement	Transfusion Evidence Round-Up
Activities	We have teamed up with ISBT to produce a quarterly Transfusion Evidence Round-Up. Initially the Round-Up will be tied to an international theme day and we will select the days at the beginning of each year. The Round-Up will mirror our monthly evidence alerts, in that references

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	will be taken from the Transfusion Evidence Library and where relevant from Stem Cell Evidence and screened for relevance to the topic by clinical experts. The top 10 most important references identified in the screening will comprise each Round-Up. The screening and choosing of the references will be undertaken by members of the ISBT community, this activity will be co-ordinated by Dr Allison Mo on behalf of ISBT; the writing of the PICO summaries for the top articles will be undertaken by the SRI team. The Round-Up will be produced and emailed to the Transfusion Evidence Alert subscribers by our external partner: Evidentia Publishing; it will also be emailed by ISBT to ISBT members. The first Round-Up was developed to coincide with World Patient Safety Day with the theme: Safe maternal and newborn care, on 17 <sup>th</sup> September and feedback suggest that it was well received. The next two Round-Ups are planned for World Cancer Day on 4 <sup>th</sup> February 2022 and International Thalassaemia Day on 8 <sup>th</sup> May 2022.
	Social media activity: We run 3 Twitter accounts, one for each of our electronic libraries and one for the SRI overall. Our activity on these accounts is one of the aspects of our online presence strategy. These accounts have a combined total of 3515 followers (405 for Stem Cell Evidence, 2719 for Transfusion Evidence Library and 391 for SRI). The number of followers for each account has increased by between 18 and 21% in the past 12 months.
	<i>Electronic Libraries Events activity</i> We have continued with our COVID-19 activities by undertaking weekly searches of COVID-19 and transfusion medicine trials and systematic reviews. These have been added to our libraries and two each month have been highlighted in our monthly Transfusion Evidence Alert email. Since the late spring of 2021 we have focused the search to just randomised controlled trials and systematic reviews as this evidence base is the methodological focus of our libraries. Another decision we took at this time was to remove all non-RC T and non-systematic review COVID 19 references from our libraries: this will be completed by the end of 2021.
	The screening of the weekly COVID-19 search results has been undertaken throughout 2021 by our Information Specialist Carolyn Doree but from October 2021, this screening will be done by Alicia Plaza-Cajide alongside the standard screening of transfusion medicine literature for the Transfusion Evidence Library and Alert.
	<ul> <li>Talks or Presentations:</li> <li>Members of the SRI have given the following talks over the last year: - <ul> <li>[Lise Estcourt] to Advances in Transfusion Medicine November 2020</li> <li>[Lise Estcourt] to International Society of Blood Transfusion December 2020</li> <li>[Akshay Shah] to Oxford Anaemia Masterclass "Managing anaemia in critically ill patients", April 2021.</li> </ul> </li> </ul>

Section	Our Evidence
	<ul> <li>[Lise Estcourt] to Manchester Medical Society April 2021</li> <li>[Lise Estcourt] to Virtually Cochrane April 2021</li> <li>[Susan Brunskill and Catherine Kimber] to ISBT steering committee on the feasibility of creating Transfusion Evidence Round-Ups, May 2021.</li> <li>[Mike Murphy] to the South West Regional Transfusion Committee on Progress with Transfusion 2024, May 2021.</li> <li>[Akshay Shah] to the Annual Meeting of the Oxford Centre for Haematology "Iron Therapy in ICU – how, why and when? June 2021.</li> <li>[Lise Estcourt] to SUPPORT-E/EU Commission June 2021</li> <li>[Lise Estcourt] to Serious Hazards of Transfusion July 2021</li> <li>[Lise Estcourt] to Transfusion Practitioners Conference July 2021</li> <li>[Mike Murphy] to National PIs for Paediatric MDS on Transfusion Management of Paediatric MDS, July 2021.</li> <li>[Akshay Shah] to a Covid-19 Iron Zoomposium, European Iron Club, 3 talks i) Iron and COVID-19 – clinical endpoints, ii) Hypoferremia, hypoxaemia and the immune response to COVID-19 and iii) Iron and COVID-19 – opportunities for data sharing, September 2021.</li> <li>[Lise Estcourt] to British Blood Transfusion Society September 2021</li> <li>[Lise Estcourt] to North East Yorkshire Regional Transfusion Committee on Big Data in Transfusion Medicine, October 2021.</li> <li>[Lise Estcourt] to Brazilian Haematology Society Hemo Play, October 2021</li> <li>[Lise Estcourt] to 3rd Omani Society of Hematology Virtual Conference, October 2021</li> <li>[Lise Estcourt] to 3d Omani Society of Hematology Virtual Conference, October 2021</li> <li>[Lise Estcourt] to 54th Annual Conference of the German Society for Transfusion Medicine and Immunohaematology (DGTI), September 2021</li> </ul>
	<ul> <li>Provision of training to external collaborators:</li> <li>We have provided on-the-project training to all our new [identified by an Asterix in the Collaborations section above] collaborators as required.</li> <li>For systematic reviews this included an understanding of the review process and methodology as well as training on how to use Covidence and Review Manager software packages.</li> <li>Mike Murphy and Akshay Shah have been faculty members for Transfusion Camp an international transfusion education program for multispecialty postgraduate trainees. This is currently in its 6<sup>th</sup> year in Oxford, training about 20 trainees/year from a diverse range of clinical specialties. The course will also run in Birmingham and London in 2021</li> </ul>

Our Evidence
We explored 'influence on policy' by looking at which guidelines our reviews had been cited in.
35 guidelines were published from November 2020 to October 2021 that have been informed by 22 SRI systematic reviews:
1. The UK NSC recommendation on Fetomaternal and Neonatal Alloimmune Thrombocytopenia (FMAIT) screening (2020) (NSC).
PHEUNSC. 2020.
1 Systematic Review:
thrombocytopenia. Cochrane Database of Systematic Reviews 2011, Issue 5, Art. No.: CD004226
2. The Society for Obstetric Anesthesia and Perinatology Interdisciplinary Consensus Statement on Neuraxial Procedures in Obstetric
Patients With Infombocytopenia. (2021) Rever MEAK, Reilin V, Gernsheimer T, Berez Potere L, James AH, Vaghmeur E, et al. Anesthecia & Anglassia. 2021; Eeb 4. [Enub aboad of print]
1 Systematic Review
Estcourt LJ. Malouf R. Hopewell S. Doree C. Van Veen J. Use of platelet transfusions prior to lumbar punctures or epidural anaesthesia for the
prevention of complications in people with thrombocytopenia. Cochrane Database of Systematic Reviews 2018, Issue 4. Art. No.: CD011980.
3. [S1-Guideline: Care of liver transplant patients during the Covid-19 pandemic] S1-Leitlinie: Versorgung von Lebertransplantations-
Patienten während der Covid-19 Pandemie Berlin: Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten
(DGVS). (2021)
Bechstein WO BT, Cornberg M, Settmacher U, Sterneck M, Tacke F, Trebicka J; Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und
1 Systematic Review:
Piechotta V. Jannizzi C. Chai KL. Valk SJ. Kimber C. Dorando E. Monsef J. Wood EM. Lamikanra AA. Roberts DJ. McOuilten Z. So-Osman C.
Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. Cochrane
Database of Systematic Reviews 2021, Issue 5. Art. No.: CD013600.
4. Perioperative Neurological Evaluation and Management to Lower the Risk of Acute Stroke in Patients Undergoing Noncardiac,
Nonneurological Surgery: A Scientific Statement from the American Heart Association/American Stroke Association. (2021)
Benesch C, Glance LG, Derdeyn CP, Fleisher LA, Holloway RG, Messe SR, et al. <i>Circulation</i> . 2021:E923-E46.
Carson II. Stanworth SI. Alexander IH. Roubinian N. Fergusson DA. Triulzi DI. et al. Clinical trials evaluating red blood cell transfusion thresholds

Section	Our Evidence
	An updated systematic review and with additional focus on patients with cardiovascular disease. American Heart Journal 2018;200:96-101.
	5. <b>[S2K-Guideline: Sickle cell disease]. Gesellschaft für Pädiatrische Onkologie und Hämatologie; Deutschen Gesellschaft für Kinder- und Jugendmedizin. S2k-Leitlinie: Sichelzellkrankheit. Berlin: Gesellschaft für Pädiatrische Onkologie und Hämatologie. (2020)</b> Cario H GR, Hakimeh D, Jarisch A, Kulozik A, Kunz J, Lobitz S, Mentzel H-J, Oevermann L. 2020. 2 Systematic Reviews:
	1) Estcourt LJ, Kimber C, Hopewell S, Trivella M, Doree C, Abboud MR. Interventions for preventing silent cerebral infarcts in people with
	<ul> <li>2) Estcourt LJ, Kimber C, Trivella M, Doree C, Hopewell S. Preoperative blood transfusions for sickle cell disease. <i>Cochrane Database of Systematic Reviews</i> 2020, Issue 7. Art. No.: CD003149.</li> </ul>
	6. <b>2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment</b>
	Collet JP TH, Barbato E, Barthélémy O, Bauersachs J, Bhatt DL, Dendale P, et al; ESC Scientific Document Group. <i>European Heart Journal</i> , 2020 Aug 29:ehaa575. [Epub ahead of print]. 2020. 1 Systematic Review:
	Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD002042.
	<ul> <li>Clinical Practice Guidelines: Management of Ischaemic Stroke (3rd Edition 2020). Kuala Lumpur, Malaysia: Malaysian Society of Neurosciences, 2021.</li> <li>1 Systematic Review:</li> </ul>
	Estcourt LJ, Kohli R, Hopewell S, Trivella M, Wang WC. Blood transfusion for preventing primary and secondary stroke in people with sickle cell disease. Cochrane Database of Systematic Reviews 2020, Issue 7. Art. No.: CD003146. DOI: 10.1002/14651858.CD003146.pub4.
	8. <b>The Japanese Clinical Practice Guidelines for Management of Sepsis and Septic Shock 2020 (J-SSCG 2020)</b> (2021) Egi M, Ogura H, Yatabe T, Atagi K, Inoue S, Iba T, et al. <i>Journal of Intensive Care</i> . 2021;9(1).
	Yang, L., Stanworth, S., Hopewell, S., Doree, C., Murphy, M. Is fresh-frozen plasma clinically effective? An update of a systematic review of randomized controlled trials (CME). <i>Transfusion</i> 2012; 52(8):1673-1686.

Section	Our Evidence
	9. Patient blood management in India - Review of current practices and feasibility of applying appropriate standard of care guidelines.
	Gandhi A, Gorlinger K, Nair SC, Kapoor PM, Trikha A, Mehta Y, et al. <i>Journal of Anaesthesiology Clinical Pharmacology</i> . 2021;37(1):3-13.
	1 Systematic Review:
	Desborough M, Sandu R, Brunskill SJ, Doree C, Trivella M, Montedori A, et al Fresh frozen plasma for cardiovascular surgery. Cochrane Database of Systematic Reviews. 2015;7:CD007614
	10. Endoscopic diagnosis and management of nonvariceal upper gastrointestinal hemorrhage (NVUGIH): European Society of Gastrointestinal Endoscopy (ESGE) Guideline - Update 2021 (2021)
	Gralnek IM, Stanley AJ, Morris AJ, Camus M, Lau J, Lanas A, et al. <i>Endoscopy</i> . 2021;53(3):300-32.
	1) Odutayo A, Desborough MJ, Trivella M, et al. Restrictive versus liberal blood transfusion for gastrointestinal bleeding: a systematic review and meta-analysis of randomised controlled trials. <i>The Lancet Gastroenterology &amp; Hepatology</i> 2017;2:354-360.
	2) Docherty AB, O'Donnell R, Brunskill S, et al. Effect of restrictive versus liberal transfusion strategies on outcomes in patients with cardiovascular disease in a non-cardiac surgery setting: systematic review and meta-analysis. <i>BMI</i> (Clinical research ed) 2016;352:i1351
	3) Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding
	allogeneic red blood cell transfusion. Cochrane Database of Systematic Reviews 2016, Issue 10. Art. No.: CD002042.
	11. NCCN Clinical Practice Guidelines in Oncology: Hematopoietic Growth Factors, Version 2.2021. Plymouth (PA): National Comprehensive Cancer Network; March 2021. (2021)
	Griffiths EA RV, Alwan L, Bachiashvili K, Brown A, Cool R, Dinner S, et al; National Comprehensive Cancer Network. 2021. 1 Systematic Review:
	Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding
	allogeneic red blood cell transfusion. Cochrane Database of Systematic Reviews 2016, Issue 10. Art. No.: CD002042.
	12. Guideline for the management of hip fractures 2020: Guideline by the Association of Anaesthetists. (2021)
	Griffiths R BS, Dixon P, Freeman N, Hurford D, Kelleher E, Moppett I, Ray D, Sahota O, Shields M, White S Anaesthesia. 2021;76(2):225-37. 2 Systematic Reviews:
	1) Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD002042. DOI: 10.1002/14651858.CD002042.pub4.

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	2) Brunskill SJ, Milette SL, Shokoohi A, Pulford EC, Doree C, Murphy MF, Stanworth SJ. Red blood cell transfusion for people undergoing hip fracture surgeny. Cochrane Database of Systematic Reviews 2015. Issue 4. Art. No.: CD000600.
	Tracture surgery. Cochrane Database of Systematic Reviews 2015, Issue 4. Art. No.: CD009699.
	13. Total hip arthroplasty for sickle cell osteonecrosis: guidelines for perioperative management. (2020)
	Hernigou P HV, Pariat J, Dubory A, Flouzat Lachaniette CH EFORT Open Rev. 2020;5(10):641-51.
	1 Systematic Review:
	Estcourt LJ, Kimber C, Trivella M, Doree C, Hopewell S. Preoperative blood transfusions for sickle cell disease. Cochrane Database of Systematic
	<i>Reviews</i> 2020, Issue 7. Art. No.: CD003149.
	14. Guidelines for Perioperative Care in Cytoreductive Surgery (CRS) with or without hyperthermic IntraPEritoneal chemotherapy (HIPEC): Enhanced recovery after surgery (ERAS®) Society Recommendations - Part I: Preoperative and intraoperative management. (2020) Hübner M KS, Villeneuve L, Al-Niaimi A, Alyami M, Balonov K, Bell J, et al. <i>European Journal of Surgical Oncology</i> 2020;46(12):2292-2310.
	a systematic Review.
	allogeneic red blood cell transfusion. Cochrane Database of Systematic Reviews 2016, Issue 10. Art. No.: CD002042.
	15. Chemoprophylaxis, diagnosis, treatments, and discharge management of COVID-19: An evidence-based clinical practice guideline (updated version). Evidence-Based Medicine Chapter of China International Exchange and Promotive Association for Medical and Health Care (CPAM): Chinese Research Hospital Association (CRHA). (2020)
	Jin YH ZQ, Peng ZY, Ren XQ, Yin XT, Cai L, et al. <i>Military Medical Research</i> . 2020;7(1):41.
	1 Systematic Review:
	Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C,
	Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. Cochrane
	Dutubuse of Systematic Neviews 2021, issue 5. Art. No.: CD015000.
	16. British Society for Haematology guidelines for the management of adult myelodysplastic syndromes (2021)
	Killick SB IW, Culligan D, Enright H, Kell J, Payne EM, Krishnamurthy P, et al. British Journal of Haematology. 2021;194(2):267-81.
	1 Systematic Review:
	Desborough M, Hadjinicolaou AV, Chaimani A, Trivella M, Vyas P, Doree C, Hopewell S, Stanworth SJ, Estcourt LJ. Alternative agents to
	prophylactic platelet transfusion for preventing bleeding in people with thrombocytopenia due to chronic bone marrow failure: a meta-analysis
	<ol> <li>Systematic Review: Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD002042.</li> <li>Chemoprophylaxis, diagnosis, treatments, and discharge management of COVID-19: An evidence-based clinical practice guideline (updated version). Evidence-Based Medicine Chapter of China International Exchange and Promotive Association for Medical and Health Care (CPAM); Chinese Research Hospital Association (CRHA). (2020)</li> <li>Jin YH ZQ, Peng ZY, Ren XQ, Yin XT, Cai L, et al. <i>Military Medical Research</i>. 2020;7(1):41.</li> <li>Systematic Review:</li> <li>Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane Database of Systematic Reviews</i> 2021, Issue 5. Art. No.: CD013600.</li> <li>British Society for Haematology guidelines for the management of adult myelodysplastic syndromes (2021)</li> <li>Killick SB IW, Culligan D, Enright H, Kell J, Payne EM, Krishnamurthy P, et al. <i>British Journal of Haematology</i>. 2021;194(2):267-81.</li> <li>Systematic Review:</li> <li>Desborough M, Hadjinicolaou AV, Chaimani A, Trivella M, Vyas P, Doree C, Hopewell S, Stanworth SJ, Estcourt LJ. Alternative agents to prophylactic platelet transfusion for preventing bleeding in people with thrombocytopenia due to chronic bone marrow failure: a meta-analysis and systematic review. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD012055.</li> </ol>

Section	Our Evidence
	<ul> <li>17. 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack: A Guideline From the American Heart Association/American Stroke Association. Stroke. 2021 Jul;52(7):e364-e467. (2021)</li> <li>Kleindorfer DO TA, Chaturvedi S, Cockroft KM, Gutierrez J, Lombardi-Hill D, Kamel H, et al. <i>Stroke</i>. 2021; 52(7): 3364-e467.</li> <li>1 Systematic Review:</li> <li>Estcourt LJ, Kohli R, Hopewell S, Trivella M, Wang WC. Blood transfusion for preventing primary and secondary stroke in people with sickle cell disease. <i>Cochrane Database of Systematic Reviews</i> 2020, Issue 7. Art. No.: CD003146.</li> </ul>
	<ul> <li>18. [S3-Guideline: Recommendations for inpatient therapy of patients with COVID-19 - Living Guideline]. S3-Leitlinie: Empfehlungen zur stationären Therapie von Patienten mit COVID-19 - Living Guideline. Berlin: Deutsche Gesellschaft für Internistische Intensivmedizin und Notfallmedizin (DGIIN); 2021. [Issued March 2020; updated October 2021]. (2021)</li> <li>Kluge S JU, Welte T, Weber-Carstens S, Schälte G, Spinner CD, Malin JJ, et al; Deutsche Gesellschaft für Internistische Intensivmedizin und Notfallmedizin (DGIIN); Deutsche Interdisziplinäre Vereinigung für Intensiv- und Notfallmedizin (DIVI); Deutsche Gesellschaft für Pneumologie und Beatmungsmedizin (DGP); Deutsche Gesellschaft für Infektiologie (DGI). 2021.</li> <li>1 Systematic Review:</li> <li>Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane Database of Systematic Reviews</i> 2021, Issue 5. Art. No.: CD013600.</li> </ul>
	<ol> <li>Management of Blunt Solid Organ Injuries: the Indian Society for Trauma and Acute Care (ISTAC) Consensus Guidelines (2021) Kumar S, Gupta A, Sagar S, Bagaria D, Kumar A, Choudhary N, et al. Indian Journal of Surgery. 2021;83:3-41.</li> <li>1 Systematic Review: McQuilten ZK, Crighton G, Brunskill S, Morison JK, Richter TH, Waters N, et al. Optimal Dose, timing and ratio of Blood Products in Massive transfusion: results from a systematic review. <i>Transfusion Medicine Reviews</i> 2018;32:6–15.</li> <li>ACG Clinical Guideline: Upper Gastrointestinal and Ulcer Bleeding (2021) Laine L, Barkun AN, Saltzman JR, Martel M, Leontiadis GI. <i>American Journal of Gastroenterology</i>. 2021;116(5):899-917.</li> <li>1 Systematic Review: Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD002042.</li> </ol>

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	21. Anaesthetic-surgical guide in the treatment of ascending aorta and surgery of the ascending aorta and aortic arch. Consensus document of the Spanish Society of Cardiovascular and Endovascular Surgery and the Sociedad of Anaesthesiology, Resuscitation and Pain
	<b>Therapy</b> (2021) López Gómez A, Rodríguez R, Zebdi N, Ríos Barrera R, Forteza A, Legarra Calderón JJ, et al. <i>Revista Espanola de Anestesiologia y Reanimacion</i> . 2021.
	1 Systematic Review: McQuilten, Z.K., Crighton, G., Engelbrecht, S., Gotmaker, R., Brunskill, S.J., Murphy, M.F., Wood, E.M. Transfusion interventions in critical
	bleeding requiring massive transfusion: A systematic review. (2015) Transfusion Medicine Reviews, 29 (2):127-137.
	22. Guidelines for enhanced recovery after cardiac surgery. Consensus document of Spanish Societies of Anesthesia (SEDAR), Cardiovascular Surgery (SECCE) and Perfusionists (AEP) (2021)
	Margarit JA, Pajares MA, García-Camacho C, Castaño-Ruiz M, Gómez M, García-Suárez J, et al. Cirugia Cardiovascular. 2021;28:1-40. 1 Systematic Review:
	Hopewell S., Omar O., Hyde C., Yu LM., Doree C., Murphy M.F. A systematic review of the effect of red blood cell transfusion on mortality: Evidence from large-scale observational studies published between 2006 and 2010. (2013) <i>BMJ Open</i> , 3 (5), art. no. 002154
	<ul> <li>AGA Clinical Practice Update on Endoscopic Therapies for Non-Variceal Upper Gastrointestinal Bleeding: Expert Review (2020)</li> <li>Mullady DK, Wang AY, Waschke KA. <i>Gastroenterology</i>. 2020;159(3):1120-8.</li> <li>1 Systematic Review:</li> </ul>
	Odutayo A, Desborough MJ, Trivella M, et al. Restrictive versus liberal blood transfusion for gastrointestinal bleeding: a systematic review and meta-analysis of randomised controlled trials. <i>The Lancet Gastroenterology &amp; Hepatology</i> 2017;2:354-360.
	24. Position paper on the use of COVID-19 convalescent plasma: an update (2021)
	Prati D, Fiorin F, Berti P, De Silvestro G, Accorsi P, Ostuni A. <i>Blood Transfusion [Trasfusione del sangue]</i> . 2021;19(4):277-80. 1 Systematic Review:
	Stanworth SJ, New HV, Apelseth TO, Brunskill S, Cardigan R, Doree C, et al. Effects of the COVID-19 pandemic on supply and use of blood for transfusion. <i>The Lancet. Haematology</i> 2021, 7(10):e756-e764.
	25. Updated international consensus report on the investigation and management of primary immune thrombocytopenia. (2019)
	Provan D AD, Bussel JB, Chong BH, Cooper N, Gernsheimer T, Ghanima W, Godeau B, González-López TJ, Grainger J, Hou M, Kruse C, McDonald V, Michel M, Newland AC, Pavord S, Rodeghiero F, Scully M, Tomiyama Y, Wong RS, Zaja F, Kuter DJ <i>Blood Advances</i> . 2019;3(22):3780-817.

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	1 Systematic Review: Estcourt LJ, Desborough M, Brunskill SJ, Doree C, Hopewell S, Murphy MF, Stanworth SJ. Antifibrinolytics (lysine analogues) for the prevention of bleeding in people with haematological disorders. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 3. Art. No.: CD009733.
	26. Recommendations for specialized nutritional-metabolic management of the critical patient: Macronutrient and micronutrient requirements. Metabolism and Nutrition Working Group of the Spanish Society of Intensive and Critical Care Medicine and Coronary Units (SEMICYUC) (2020)
	Serón Arbeloa C, Martínez de la Gándara A, León Cinto C, Flordelís Lasierra JL, Márquez Vácaro JA. <i>Medicina Intensiva</i> . 2020;44:24-32. 1 Systematic Review:
	Shah A., Roy N.B., McKechnie S., Doree C., Fisher S.A., Stanworth S.J. Iron supplementation to treat anaemia in adult critical care patients: A systematic review and meta-analysis. (2016) <i>Critical Care</i> , 20 (1): Art. No. 306
	27. <b>Guidelines for the monitoring and management of iron overload in patients with haemoglobinopathies and rare anaemias</b> (2021) Shah FT, Porter JB, Sadasivam N, Kaya B, Moon JC, Velangi M, et al. <i>British Journal of Haematology</i> . 2021;06:06.
	Roberts D, Brunskill S, Doree C, Williams S, Howard J, Hyde C. Oral deferiprone for iron chelation in people with thalassaemia. <i>Cochrane Database of Systematic Reviews</i> . 2007( 3):CD004839.
	28. [Guideline: Policy on Blood Transfusion]. (2020)
	Slomp J FC, de Haas M, Lie GH, Russcher H, Schipperus MR, Som N, de Vooght KMK, de Wit H, Nederlandse Internisten Vereniging, Dutch Association of Internists. <i>Bloedtransfusiebeleid Utrecht: Federatie Medisch Specialisten;</i> October 2020.
	1) Desborough M, Hadjinicolaou AV, Chaimani A, Trivella M, Vyas P, Doree C, Hopewell S, Stanworth SJ, Estcourt LJ. Alternative agents to prophylactic platelet transfusion for preventing bleeding in people with thrombocytopenia due to chronic bone marrow failure: a meta-analysis and systematic review. <i>Cochrane Database of Systematic Reviews</i> 2016, Issue 10. Art. No.: CD012055
	2) Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding
	3) Hall DP. Estcourt LJ. Doree C. Hopewell S. Trivella M. Walsh TS. Plasma transfusions prior to insertion of central lines for people with
	abnormal coagulation. Cochrane Database of Systematic Reviews 2016, Issue 9. Art. No.: CD011756.
	4) Estcourt LJ, Desborough M, Brunskill SJ, Doree C, Hopewell S, Murphy MF, Stanworth SJ. ntifibrinolytics (lysine analogues) for the
	prevention of bleeding in people with haematological disorders. Cochrane Database of Systematic Reviews 2016, Issue 3. Art. No.: CD009733.

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	5) Crighton GL, Estcourt LJ, Wood EM, Trivella M, Doree C, Stanworth S. A therapeutic-only versus prophylactic platelet transfusion strategy for preventing bleeding in patients with haematological disorders after myelosuppressive chemotherapy or stem cell transplantation. <i>Cochrane Database of Systematic Reviews</i> 2015, Issue 9. Art. No.: CD010981.
	29. <b>Consensus minimum hemoglobin level above which patients with myelodysplastic syndromes can safely forgo transfusions</b> (2020) Tanasijevic AM, Revette A, Klepin HD, Zeidan A, Townsley D, DiNardo CD, et al. <i>Leukemia &amp; Lymphoma</i> . 2020;61(12):2900-4. 2 Systematic Reviews:
	1) Carson JL, Stanworth SJ, Roubinian N, et al. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. Cochrane Database of Systematic Reviews. 2016;10:CD002042.
	2) Gu Y, Estcourt LJ, Doree C, et al. Comparison of a restrictive versus liberal red cell transfusion policy for patients with myelodysplasia, aplastic anaemia, and other congenital bone marrow failure disorders. <i>Cochrane Database of Systematic Reviews</i> . 2015;10:CD011577.
	30. Australian guidelines for the clinical care of people with COVID-19 (v43.0, published 29 September 2021). Web. Accessed October 2021. Available from: https://app.magicapp.org/#/guideline/5619 (2021) Taskforce. NC-CE. 2021.
	Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane</i> Database of Systematic Reviews 2021, Issue 5. Art. No.: CD013600.
	31. Current practice and registration patterns among United Kingdom Haemophilia Centre Doctors' Organisation centers for patients with unclassified bleeding disorders (2021)
	Thomas W, Downes K, Evans G, Gidley G, Lowe G, MacDonald S, et al. <i>Journal of Thrombosis and Haemostasis</i> . 2021. 1 Systematic Review:
	Desborough, M.J.R., Obaji, S., Lowe, G.C., Doree, C., Thomas, W. Management of surgery, menorrhagia and child-birth for patients with unclassified bleeding disorders: a systematic review of cohort studies (2021) <i>Blood Coagulation &amp; Fibrinolysis : an International Journal in Haemostasis and Thrombosis</i> , 32 (6), pp. 366-372.
	32. Diagnosis and management of acute lower gastrointestinal bleeding: European Society of Gastrointestinal Endoscopy (ESGE) Guideline (2021)
	Triantafyllou K, Gkolfakis P, Gralnek IM, Oakland K, Manes G, Radaelli F, et al. Endoscopy. 2021;53(8):850-68.

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	<ol> <li>2 Systematic Reviews:</li> <li>1) Odutayo A, Desborough MJ, Trivella M, et al. Restrictive versus liberal blood transfusion for gastrointestinal bleeding: a systematic review and meta-analysis of randomised controlled trials. <i>The Lancet Gastroenterology &amp; Hepatology</i> 2017;2:354-360.</li> <li>2) Docherty AB, O'Donnell R, Brunskill S, et al. Effect of restrictive versus liberal transfusion strategies on outcomes in patients with cardiovascular disease in a non-cardiac surgery setting: systematic review and meta-analysis. <i>BMJ</i> (Clinical research ed) 2016;352:i1351.</li> </ol>
	<ul> <li>33. [Clinical management of patients with COVID-19. Clinical guidelines]. КЛІНІЧНЕ ВЕДЕННЯ ПАЦІЄНТІВ 3 COVID-19 «ЖИВА»</li> <li>КЛІНІЧНА НАСТАНОВА. Kiev, Ukraine: The State Expert Center of the Ministry of Health of Ukraine; 2021. [Issued January 2021; last updated April 2021]. (2021)</li> <li>Ukraine. TSECotMoHo. 2021.</li> <li>1 Systematic Review:</li> <li>Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane Database of Systematic Reviews</i> 2021, Issue 5. Art. No.: CD013600.</li> </ul>
	<ul> <li>34. [Evidence review for the S3-Guideline: Recommendations for treatment of hospitalised patients with COVID-19 (AWMF Registration number 113-001)]. Forschungskonsortium COVID-19 Evidenz-Ökosystem (CEOsys). Evidenzbericht für die S3-Leitlinie: Empfehlungen zur stationären Therapie von Patienten mit COVID-19 (AWMF Registernummer 113-001). Berlin: Netzwerk Universitätsmedizin und AWMF Institute für Medizinisches Wissensmanagement; 2021. [Issued February 2021; updated October 2021]. (2021)</li> <li>Wissensmanagement NUUAlfM. 2021.</li> <li>1 Systematic Review:</li> <li>Piechotta V, Iannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. <i>Cochrane Database of Systematic Reviews</i> 2021, Issue 5. Art. No.: CD013600.</li> </ul>
	<ul> <li>35. Platelet Transfusion: An Update on Indications and Guidelines (2021)</li> <li>Yuan S, Otrock ZK. <i>Clinics in Laboratory Medicine</i>. 2021.</li> <li>1 Systematic Review:</li> <li>McQuilten ZK, Crighton G, Brunskill S, Morison JK, Richter TH, Waters N, et al. Optimal Dose, timing and ratio of Blood Products in Massive transfusion: results from a systematic review. <i>Transfusion Medicine Reviews</i> 2018;32:6–15.</li> </ul>

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Research Tools & Methods	NIHR Cochrane programme grant [2]. We have used a form of analysis: network meta-analysis for systematic reviews being undertaken through our NIHR Cochrane programme grant. This is the first time we have used this form of analysis. All working on the programme grant have attended specific NMA training both in Oxford in June 2019 and Bristol in December 2019. We continue to receive support from both the Cochrane Complex Reviews Unit and Professor Nicky Welton from the University of Bristol for this form of analysis. We use Covidence for all our screening activities and have been using Covidence to undertake data extraction for the Cochrane reviews in our NIHR Cochrane Programme Grant and our smaller systematic reviews. Following lengthy discussions with Covidence and with the additional help of the Network Fellow in Cochrane Heart group, we finally managed, in spring 2021, to address the issues we had been having getting data out of Covidence and into Review Manager software. These issues had been going on for 12 months and caused significant delays for one review [Drugs to reduce bleeding and transfusion in adults undergoing cardiac surgery; a systematic review and network meta-analysis. (Cochrane: Heart)].		
Research Databases & Models	See section below: Software & Technical Products		
Intellectual Property & Licensing	Conversations with NHSBT procurement over the past 18 months have highlighted that aspects of our Electronic Libraries should be registered as intellectual property, most specifically the database structure. The current structure of the database was developed by Evidentia Publishing and they do not think it is appropriate to apply for intellectual property for the database structure. There is interest within NHSBT in bringing the development and hosting of both electronic libraries in-house and should that happen we could explore registering intellectual property rights for the new structure of the electronic libraries.		
Medical Products, Interventions and Clinical Trials	<ul> <li>Clinical Trials that have developed from one of our systematic reviews:</li> <li>REVIEW: Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review [2020 and 2021] - 2 trials</li> <li>REMAP-CAP convalescent plasma trial re-start</li> <li>COVIC-19, just funded by German government</li> </ul>		

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	REVIEW: Granulocytes for treating infection [2016]: CLINICAL TRIAL: PROGRES: An observational study of the incidence of infectious episodes eligible for granulocyte transfusion and outcomes. Awarding Body: NHSBT. Trial currently ongoing.	
	• <i>REVIEW Granulocytes for preventing infection</i> [2016]: CLINICAL TRIAL: PROGRES: An observational study of the incidence of infectious episodes eligible for granulocyte transfusion and outcomes. Awarding Body: NHSBT. Trial currently ongoing.	
	<ul> <li>REVIEW: Anti-fibrinolytics for the prevention of bleeding in patients with haematological malignancies [2016 this review was referenced in the updated TREATT [ An ongoing, international trial "to evaluate anti-fibrinol with haematological malignancies] trial documentation [ClinicalTrials.gov Identifier: NCT03136445]. Trial currently ongoing.</li> </ul>	
	<ul> <li><i>REVIEW: Desmopressin for the treatment of platelet dysfunction and reversal of antiplatelet agents</i> [2017]: 2 new CLINICAL TRIALS:         <ul> <li>DRIVE: a pilot, randomized trial of desmopressin versus placebo prior to procedure in intensive care patients. Awarding Body: NHSBT [ISRCTN12845429]. Trial completed and available as a conference abstract Desborough M, Laing E, Griffiths A, Mora A, Hodge R, Martin S, Shah A, Hutton P, Parke T, Wise M, Morgan M, McKechnie S, Stanworth S, DRIVE Trial Investigators . Desmopressin for Procedures or Radiological Interventions (DRIVE): Participant Characteristics in a Placebo-Controlled Double-Blind, Randomised Feasibility Trial of Desmopressin in Thrombocytopenic Critically III Patients Prior to Procedures [abstract]. <i>Res Pract Thromb Haemost</i>. 2020; 4 (Suppl 1). &lt;a href="https://abstracts.isth.org/abstract/desmopressin-for-procedures-or-radiological-interventions-drive-participant-characteristics-in-a-placebo-controlled-double-blind-randomised-feasibility-trial-of-desmopressin-in-thrombocytopenic-cr&lt;/a&gt;</li> </ul></li></ul>	
	• DASH (desmopressin for reversal of antiplatelet drugs in stroke due to haemorrhage) trial from the National Institute for Health Research, Research for Patient Benefit funding stream Trial started on 1 <sup>st</sup> April 2019. [ClinicalTrials.gov Identifier: NCT03696121]. Trial currently ongoing.	
	<ul> <li>REVIEW: Iron supplementation to treat anemia in adult critical care patients [2016]: 1 new clinical trial: INtravenous Iron to Treat Anaemia following CriTical Care (INTACT): a randomised feasibility study. [ISRCTN13721808] Trial completed and awaiting publication.</li> </ul>	
	• REVIEW: Gaps in the evidence for prevention and treatment of maternal anaemia: a review of systematic reviews [Parker JA, Barroso F, Stanworth SJ, Spiby H, Hopewell S, Doree CJ, Renfrew MJ, Allard S BMC Pregnancy Childbirth. 2012 Jun 24;12:56. doi:	

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	10.1186/1471-2393-12-56. PMID: 22727258; PMCID: PMC3475131], PRIMARY RESEARCH: PANDA, a programme of research into the prevention of maternal anaemia to avoid preterm delivery and other adverse outcomes.
	GRANT APPLICATIONs that have developed from one of our systematic reviews*:
	<ul> <li>REVIEW: Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. Piechotta V, lannizzi C, Chai KL, Valk SJ, Kimber C, Dorando E, Monsef I, Wood EM, Lamikanra AA, Roberts DJ, McQuilten Z, So-Osman C, Estcourt LJ, Skoetz N. Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review. Cochrane Database Syst Rev. 2021 May 20;5(5):CD013600. doi: 10.1002/14651858.CD013600.pub4. PMID: 34013969; PMCID: PMC8135693. – 2 applications</li> <li>COVIC-19 (UK) – awaiting outcome</li> <li>COVIC-19 (France) – awaiting outcome</li> </ul>
	<ul> <li>REVIEW: Prophylactic platelet transfusions in critically ill patients [Estcourt LJ, Malouf R, Doree C, Trivella M, Hopewell S, Birchall J. Prophylactic platelet transfusions prior to surgery for people with a low platelet count. Cochrane Database of Systematic Reviews 2018, Issue 9. Art. No.: CD012779] – 2 applications</li> <li>Threshold 4 Platelets (T4P) trial – NIHR131822</li> </ul>
	Co-applicants – Simon Stanworth, Akshay Shah. NIHR HTA panel - £2,265,651.14 (Successful)
	Mechanisms 4 Platelets (M4P).
	Joint lead applicants – Akshay Shah, Simon Stanworth. Funding application to NIHR EME panel for mechanistic bolt-on study onto T4P trial (above) - £374,999.75. Rejected in June 2021 – Invited to re-apply for December 2021 round. Re-application in progress
	• <b>REVIEW</b> : What is the effect of perioperative intravenous iron therapy in patients undergoing non-elective surgery? A systematic review with meta-analysis and trial sequential analysis. [Perioperative Medicine 2018; 7:30 Shah A, Palmer AJR, Fisher SA, et al] <b>1</b> application:
	• The clinical benefits and cost-effectiveness and safety of haematopoietic interventions for patients with anaemia following
	major emergency surgery: a phase IV, multicentre, multi-arm randomised controlled trial: Peri-op Iron and EPO Intervention Study - POP-I – NIHR133467. Co-applicants – Simon Stanworth, Akshay Shah. NIHR HTA panel - £2,150,909.01 (Recommended for funding)

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	<ul> <li>REVIEWS: Rapid review currently in progress; Shah A, Donovan K, Seeley C, et al. Risk of infection associated with administration of intravenous iron: A systematic review and meta-analysis. JAMA Network Open 2021 (Accepted in press); Shah A., Fisher S.A., Wong H., Roy N.B., McKechnie S., Doree C., Litton E., Stanworth S.J. Safety and efficacy of iron therapy on reducing red blood cell transfusion requirements and treating anaemia in critically ill adults: A systematic review with meta-analysis and trial sequential analysis. (2019) Journal of Critical Care, 49:162-171 1 application:         <ul> <li>Interventions to treat anaemia following critical care. Application being prepared for NIHR EME application in April 2022.</li> </ul> </li> <li>REVIEWs: Red blood cell transfusion in hip fracture surgery. [Brunskill SJ, Millette SL, Shokoohi A, Pulford EC, Doree C, Murphy MF, Stanworth S. Red blood cell transfusion for people undergoing hip fracture surgery. Cochrane Database Syst Rev. 2015 Apr 21;(4):CD009699. doi: 10.1002/14651858.CD009699.pub2. PMID: 25897628.]; Red cell transfusion threshold review [Carson JL, Stanworth SJ, Roubinian N, Fergusson DA, Triulzi D, Doree C, Hebert PC. Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. Cochrane Database Syst Rev. 2016 Oct 12;10(10):CD002042. doi:</li> </ul>		
	<ul> <li>10.1002/14651858.CD002042.pub4. PMID: 27731885; PMCID: PMC6457993]. – 2 applications:</li> <li>IPDA funding application to NIH</li> <li>Clinical trial application to NIHR.</li> </ul>		
Artistic & Creative Products	Nothing to report		
Software & Technical Products	Transfusion Evidence Library (www.transfusionevidencelibrary.com). As of October 2021, the library contains 18,260 records. Of those 8,949 are RCTs, 3,153 are Systematic Reviews and 88 are Economic Studies. There are currently 6,262 COVID-19 records. Annual maintenance bill = £ 25,000.		
	<ul> <li>Since the beginning of 2020 Transfusion Evidence Library has had 34,574 hits from 10,028 users, a rise of 84% since October 2020.</li> <li>TEL users by country were: 51% from USA, 13% from UK, 3% each from China, Australia, Germany and Italy. This reflects a large increase in usage from the USA.</li> </ul>		

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	<ul> <li>Most users (80%) come to TEL directly either by typing the URL or using a bookmark. 8% of users arrive by searching the Internet, and 8% arrive from social media.</li> </ul>
	<b>Transfusion Evidence Alert</b> We have 9,300 subscribers to the Transfusion Evidence Alert; the number of subscribers is static compared to 2020. In September 2021 we launched the Transfusion Evidence Round-Up, in partnership with the International Society of Blood Transfusion (ISBT) which was sent to all Alert subscribers, and to ISBT members. The Alert was opened by at least 20% of subscribers (statistics are incomplete because of the variability between email systems). Most people who opened the email followed at least one link. The average number of articles clicked per person was 2.51.
	<b>Transfusion Evidence Library on Twitter</b> (@TransfusionLib). On 18th October 2021, Transfusion Evidence Library had 2,722 followers [an 18% rise from the previous year]. Tweets are posted about monthly email alerts and their contents, relevant awareness days, news items that contain content relevant to the Transfusion Evidence Library as well as retweeting tweets from the SRI and SCE Twitter streams as relevant. We have also publicised the Transfusion Evidence Round-Ups through the TEL Twitter account, and through the TEL Facebook page.
	<ul> <li>A link to the Transfusion Evidence Library website link can be found on the following websites:</li> <li>Nice: https://www.nice.org.uk/about/what-we-do/evidence-services/journals-and-databases</li> <li>British Blood Transfusion Society: https://www.bbts.org.uk/links/</li> <li>Wiley Online Library: https://onlinelibrary.wiley.com/journal/13653148</li> <li>NHSBT Library, Evidence Search section https://nhsbloodandtransplant.sharepoint.com/sites/NHSBTLibrary/SitePages/Evidence-Search.aspx?web=1</li> <li>European Association for Haemophilia and Allied Disorders https://eahad.org/resources/</li> <li>Canadian Society for Transfusion Medicine:https://www.transfusion.ca/Resources/Transfusion-Evidence-Library</li> <li>Wikipedia article: https://en.wikipedia.org/wiki/Blood transfusion</li> <li>NHS Leeds Libraries: https://www.leedslibraries.nhs.uk/resources/a-z-of-online-resources</li> <li>NHS Velindre University:https://velindre.nhs.wales/velindre-library/finding-the-literature/</li> <li>mentioned in the ISBT website: https://www.isbtweb.org/resources/transfusion-evidence-round-up</li> </ul>
	<ul> <li>Other dissemination:</li> <li>A report with the monthly content uploaded in TEL is emailed to the editor of Transfusion Medicine Review.</li> <li>A report is emailed every six months to with the content uploaded in TEL to the Royal College of Pathologists.</li> </ul>

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	Transfus	ion Evidence Library has been cited in the following 16 nublications:	
	1.	Erythropoietin not cost effective in anaemic surgical patients (2021). Avau B. Pharmacoeconomics & Outcomes News. 2021;883:16-24.	
	2.	Lack of cost-effectiveness of preoperative erythropoiesis-stimulating agents and/or iron therapy in anaemic, elective surgery	
		patients: a systematic review and updated analysis (2021). Avau B, Van Remoortel H, Laermans J, Bekkering G, Fergusson D, Georgsen	
		J, et al. Pharmacoeconomics. 2021:1-17.	
	3.	Whole blood transfusion versus component therapy in adult trauma patients with acute major haemorrhage: a systematic review	
		(London Trauma Conference 2019) (2020). Avery P, Morton S, Tucker H, Green L, Weaver A, Davenport R. Scandinavian Journal of	
		Trauma, Resuscitation and Emergency Medicine. 2020;28(1):13. Abstract 1.	
	4.	Whole blood transfusion versus component therapy in adult trauma patients with acute major haemorrhage (2020). Avery P, Morton	
		S, Tucker H, Green L, Weaver A, Davenport R. Emergency Medicine Journal. 2020;37(6):370-8.	
	5.	Management of surgery, menorrhagia and child-birth for patients with unclassified bleeding disorders: A systematic review of	
		cohort studies (2021). Desborough M, Obaji S, Lowe G, Doree C, Thomas W. British Journal of Haematology. 2021;193(SUPPL 1):213.	
	6.	Management of surgery, menorrhagia and child-birth for patients with unclassified bleeding disorders: a systematic review of cohort	
		studies (2021). Desborough MJR, Obaji S, Lowe GC, Doree C, Thomas W. Blood Coagulation & Fibrinolysis : An International Journal in	
		Haemostasis and Thrombosis. 2021;32(6):366-72.	
	7.	Interventions for preventing silent cerebral infarcts in people with sickle cell disease (2020). Estcourt LJ, Kimber C, Hopewell S,	
		Trivella M, Doree C, Abboud MR. Cochrane Database of Systematic Reviews. 2020;4(4):CD012389.	
	8.	Preoperative blood transfusions for sickle cell disease (2020). Estcourt LJ, Kimber C, Trivella M, Doree C, Hopewell S. Cochrane	
		Database of Systematic Reviews. 2020;7(7):CD003149.	
	9.	Blood transfusion for preventing primary and secondary stroke in people with sickle cell disease (2020). Estcourt LJ, Kohli R, Hopewell	
		S, Trivella M, Wang WC. Cochrane Database of Systematic Reviews. 2020;7(7):CD003146.	
	10.	Fabes J, Stanworth S. Intravenous Haemostatic Adjuncts. Damage Control Resuscitation: Springer; 2020. p. 223-43.	
	11.	Intravenous albumin in adult cardiac surgery: a meta-analysis (2021). Keshavarz H, Skubas N, Callum J, Fergusson D, Wu B, Shehata N.	
		Vox Sanguinis. 2021;116(SUPPL 1):183.	
	12.	A Systematic Review and Meta-analysis of Randomized Controlled Trials Comparing Intraoperative Red Blood Cell Transfusion	
		Strategies (2021). Lenet T, Baker L, Park L, Vered M, Zahrai A, Shorr R, et al. Annals of Surgery. 2021.	
	13.	Patient Blood Management–Recommendations From The International Consensus Conference, Frankfurt/Main, Germany (2020).	

Section	Our Evidence
	Mueller MM, Van Remoortel H, Meybohm P, Aranko K, Murphy MF, Carson JL, et al. <i>ISBT Science Series</i> . 2020.
	14. Strategies to minimize intraoperative blood loss during major surgery (2020). Shah A, Palmer A, Klein A. Journal of British Surgery. 2020;107(2):e26-e38.
	15. Outcome measures used in clinical research evaluating pre-hospital blood component transfusion in traumatically injured bleeding patients: A systematic review (2021). Tucker H, Avery P, Brohi K, Davenport R, Griggs J, Weaver A, et al. <i>The Journal of Trauma and Acute Care Surgery</i> . 2021.
	16. Early Use of Fibrinogen Replacement Therapy in Postpartum Hemorrhage-A Systematic Review (2020). Zaidi A, Kohli R, Daru J, Estcourt L, Khan KS, Thangaratinam S, et al. <i>Transfusion Medicine Reviews</i> . 2020;34(2):101-7.
	Stem Cell Evidence (www.stemcellevidence.com). As of October 2021 the library contains nearly 8709 records (a rise of ~1500), including 353 RCTs, 379 systematic reviews, and 200 guidelines. There are currently 422 COVID-19 references, relating to stem cell transplantation or the use of mesenchymal stromal cells in COVID-19 treatment.
	Stem Cell Evidence usage (taken from Google Analytics data). In the past year, Stem Cell Evidence has had 7113 hits from 2077 individual users, a 62% increase in the number of hits since October 2019.
	• Stem Cell Evidence users by country were: 50% from USA, 20% from UK, 4% each from China and Brazil, and 3% from Spain.
	• Most users (80%) come to Stem Cell Evidence directly, either by typing the URL or using a bookmark. 10% of users arrive by social media, and 8% of users arrive by searching the Internet.
	Stem Cell Evidence Alert. We have 1,065 subscribers to the Stem Cell Evidence Alert. A small increase from last year (n=973).
	Stem Cell Evidence on Twitter (@evidencestemc). On 18th October 2021 Stem Cell Evidence had 405 followers [a 22% rise from the previous year]. Tweets are posted about monthly email alerts and their contents, relevant awareness days, news items that contain content relevant to Stem Cell Evidence as well as retweeting tweets from the SRI and TEL Twitter streams as relevant.
	A link to Stem Cell Evidence can be found on the following websites:
	BSBMIT: <u>nttp://bsbmt.org/for-healthcare-professionals/</u> NUCDT Library Evidence Council at the effective data data data data data data data dat
	• INFUST Library, Evidence Search Section <u>https://nnsbioodandtransplant.snarepoint.com/sites/iNFSBTLibrary/SitePages/Evidence-</u> Search.aspx?web=1

Section	Our Evidence			
	Nice: https://www.nice.org.uk/about/what-we-do/evidence-services/journals-and-databases			
Spin Outs	Nothing to report.			
Awards and Recognition	<ul> <li>People         <ul> <li>Lise Estcourt has become a Professor of Haematology and Transfusion Medicine at the University or Oxford.</li> <li>Mike Murphy has become an Associate Editor for the British Journal of Haematology and eJHaem alongside previous and continuing ones as Associate Editor of TMR and Editorial Board of Transfusion, and Transfusion Medicine.</li> <li>Akshay Shah completed his PhD and taken up a post of an Academic Clinical Lecturer at the University of Oxford.</li> <li>Simon Stanworth became the executive chair of the International Collaboration for Transfusion Medicine Guidelines (ICTMG) executive chair (2021-present).</li> </ul> </li> <li>Activities         <ul> <li>Our <u>Convalescent plasma or hyperimmune immunoglobulin for people with COVID-19: a living systematic review</u> is one of the most accessed new reviews on the Cochrane Library and one of the most accessed review updates. <a href="https://www.cochranelibrary.com/collections/doi/10.1002/14651858.SC000026/full#MostaccessedCochraneReviewupdates">https://www.cochranelibrary.com/collections/doi/10.1002/14651858.SC000026/full#MostaccessedCochraneReviewupdates</a> </li> </ul></li></ul>			
Use of Facilities & Resources	Resources:         We use Covidence for all our screening activities and have been using Covidence to undertake data extraction for the Cochrane reviews in our NIHR Cochrane Programme Grant and our smaller systematic reviews. However, as we have had difficulty using Covidence for data extraction on large reviews, on reviews where the data is complex or when some customisation of the preformatted Covidence data sheets is needed, we have chosen to not exclusively use Covidence for data extraction.         Training Received:       SRI team members have attended the following training activities since 1 <sup>st</sup> November 2020:         Susan Brunskill       Susan Brunskill			

Section	Our Evidence
	Attended a Cochrane Webinar - What's new GRADEing Methods Group, 18 November 2020.
	• Attended a teaching session on 'Social media for professional use' (Helen Wigginton – for Libraries team), 8 Jan 2021.
	<ul> <li>Attended a NHSBT Risk Management Training course, 16<sup>th</sup> June 2021.</li> </ul>
	<ul> <li>Attended a Cochrane Injuries group hoisted seminar on Fraudulent trials in systematic reviews – a major public health problem, 29<sup>th</sup> June 2021.</li> </ul>
	<u>Carolyn Doree</u>
	• Attended a teaching session on 'Social media for professional use' (Helen Wigginton – for Libraries team), 8 Jan 2021
	<ul> <li>Attended "Identifying Unpublished Trial Data – 2 virtual workshops in May 2021</li> </ul>
	Attended "Citation Analysis" – 2 virtual workshops in June 2021
	Louise Geneen
	Received in-house, 1-to-1 training: what is transfusion medicine? (Lise Estcourt), 14 Oct 2020
	• Attended a teaching session on 'Social media for professional use' (Helen Wigginton – for Libraries team), 8 Jan 2021
	• Attended a Cochrane Screening and Diagnostic Tests Methods Group Webinar - <b>Comparing test accuracy: from pairwise to network</b> meta-analysis of tests, 21 April 2021.
	Completed a Systematic reviews and MA of IPD [online] course through Utrecht University, 28 June- 2 July 2021
	<ul> <li>Attended a Cochrane Injuries group hoisted seminar on Fraudulent trials in systematic reviews – a major public health problem, 29<sup>th</sup> June 2021.</li> </ul>
	<ul> <li>Attended a Cochrane Learning Live webinar - Guidance for systematic review authors on how to consider the individual and the population perspective (Dr Jos Verbeek), 30 Sept 2021</li> </ul>
	• Attended a Cochrane Methods Symposium webinar, Session 1: Evidence synthesis in public health: what we have learnt, 12 Oct 2021
	• Attended a ScHaRR hosted Webinar - Evaluating the trade-off between benefits and risks in treatment decisions, 13 Oct 2021
	• Attended a Cochrane Methods Symposium webinar Session 2: Evidence synthesis in public health: challenges and opportunities, 18 Oct 2021.

Section	Our Evidence
	<ul> <li><u>Catherine Kimber</u> <ul> <li>Attended a teaching session on 'Social media for professional use' (Helen Wigginton – for Libraries team), 8 Jan 2021</li> <li>Completed online training 'Presentations: Improving your online talk', April 2021.</li> <li>Attended the Systematic Reviews 1 week module at the University of Oxford, May 2021.</li> <li>Attended a Cochrane Injuries group hoisted seminar on Fraudulent trials in systematic reviews – a major public health problem, 29<sup>th</sup> June 2021.</li> <li>Completed Cochrane Methods Symposium Session 1: Evidence Synthesis in Public Health webinar, 12 October 2021.</li> <li>Received training (internal to SRI): Basic statistics primer - computing hazard ratios and interpreting Kaplan-Meier survival curves, October 2021</li> </ul> </li> <li><u>Alticia Plaza-Cajide</u> <ul> <li>Attended a teaching session on 'Social media for professional use' (Helen Wigginton – for Libraries team), 8 Jan 2021.</li> <li>Attended a workshop, "Introduction to systematic reviews and evidence syntheses – searching for studies" through the University of Oxford, 30 March 2021.</li> <li>Attended a workshop, "What should educators know: Online Communities for Teaching and Learning" through the University of Oxford.</li> </ul></li></ul>
Other Outputs & Knowledge	<ul> <li>The information science workload has increased substantially the past year with the new Covid-19 daily activity taking place on top of the routine support required for the NIHR Programme Grant network meta-analyses, and for many new and updated SRI systematic reviews.</li> <li>During 2020/1 Carolyn has also given full information science support to the following external projects:</li> <li>Update search for the UKHCDO Management of Gynaecological Conditions in Women with Inherited Bleeding Disorders Guideline, April 2021. Results sent to Dr Nikki Curry, Oxford University Hospitals NHS Foundation Trust, UK.</li> <li>Search for a systematic review of drug induced TTP, April 2021 being led by Dr Mike Desborough, Oxford University Hospitals NHS Foundation Trust, UK.</li> </ul>

PAPER C, APPENDIX 1: SRI staff November 2020 to current

Systematic Review Initiative: Research Advice: Nuffield Department of Primary Care Health Sciences





SRI | S Brunskill |Report of SRI activities and impact for year from November 2020 to November 2021 |