PAPER C: Report of SRI activities and Impact for the year November 2018 to November 2019

EXECUTIVE SUMMARY.

Since November 2018:

- Eight systematic full reviews, three systematic review protocols and two methods papers were completed and published (see citations detailed on page 2).
- In addition, one Cochrane systematic review is in the final copy editing stages and two Cochrane systematic review protocols are in the Cochrane peer review process.
- Supported the setup of four new systematic reviews and two updates of Cochrane reviews (see Paper E).
- We have updated our dissemination policy and now monitor dissemination activities for all our publications.
- We started work on our second NIHR Cochrane programme grant [16/114/04]: “Alternatives and adjuncts to transfusion to prevent and treat bleeding in people who are at risk of serious or life-threatening bleeding” and have published the protocol for one of the four reviews being undertaken in this programme grant. [The three other protocols are in the late stages of the Cochrane peer review process]. All four members of staff employed through the grant completed statistical methods based training in June 2019.
- We recruited and employed a part time Assistant Information Specialist who is focused on curating and updating content for the Transfusion Evidence Library.
- We have explored options and opportunities for external sponsorship for our electronic libraries (see Paper F).
- We are continuing to work towards ‘free at the point of access for the Transfusion Evidence Library and the Stem Cell Evidence Library which will require sponsorship from external sources (see additional paper).
- We have continued to grow our Twitter accounts [@TransfusionLib, @sritransfusion and @stemcell] to engage with our library communities increase our dissemination activities.
- We successfully agreed a relationship with Professor Rafael Perera from University of Oxford’s Nuffield Department of Primary Care Health Sciences Medical Sciences Division with regards to providing statistical support on an as-and-when basis for the group.
<table>
<thead>
<tr>
<th>Section</th>
<th>Our Evidence</th>
</tr>
</thead>
</table>
| **Publications** since November 2018 [last face to face SRI steering group meeting]; listed alphabetically by first author. [Authors in bold are members of the SRI]  
* Systematic reviews that are being undertaken as part of our NIHR Cochrane programme grant [16/114/04]: |  
https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222313  
<p>|</p>
<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trivella M, Stanworth SJ, Brunskill S, Dutton P, Altman DG. BMJ 2019;365: I 2320.</td>
<td>Can we be certain that storage duration of transfused red blood cells does not affect patient outcomes? <a href="https://doi.org/10.1136/bmj.i2320">https://doi.org/10.1136/bmj.i2320</a></td>
</tr>
</tbody>
</table>
**Collaborations**

Collaborations with people outside the SRI. These have been grouped by type of project.

New collaborators this year are identified by an * at the beginning of their details.

<table>
<thead>
<tr>
<th><strong>Stem Cell Evidence:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Jenny Byrne - Nottingham City Hospital, Nottingham, UK and President of the British Society of Blood and Marrow Transplantation;</td>
</tr>
<tr>
<td>Dr Rob Danby - Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>Dr James Griffin – NHSBT Bristol, UK;</td>
</tr>
<tr>
<td>Mr John Muth - Evidentia Publishing, UK;</td>
</tr>
<tr>
<td>Mr Mark Schregardus – Evidentia Publishing, The Netherlands;</td>
</tr>
<tr>
<td>Professor Paresh Vyas – Oxford BRC &amp; University of Oxford, UK;</td>
</tr>
</tbody>
</table>

**NIHR Cochrane Programme Grant**

Cochrane Heart Group [co-applicant];
Cochrane Injuries Group [co-applicant];
Cochrane Vascular Group;
Dr Nikki Curry - Oxford University Hospitals NHS Foundation Trust, UK [co-applicant];
Dr Neil Hawkins - Cochrane Complex Reviews Unit, UK;
Professor Nicky Welton – University of Bristol;
Dr Kirstin Wilkinson - University Hospital Southampton, UK [co-applicant];
Dr Olivia Wu - Cochrane Complex Reviews Unit, UK;

**Systematic review collaborators:**

*Dr Austin Acheson - Queen's Medical Centre, Nottingham, UK;*
*Dr Ravi Baikady - Royal Marsden NHS Foundation Trust, London, UK;*
*Dr Sohail Bamiou - University College London Hospitals NHS Foundation Trust, London, UK;*
*Tamara Brown – University of Stirling, Stirling, UK;*
*Dr Charlotte Brierley – Oxford University Hospitals NHS Foundation Trust, UK;*
*Dr Rebecca Cardigan - NHSBT, UK;*
*Dr Nikki Curry - Oxford University Hospitals NHS Foundation Trust, UK;*
*Dr Antony Cutler - NHSBT, Cambridge, UK and University of Cambridge, UK*
*Dr Ross Davenport - Barts and the London School of Medicine and Dentistry, Queen Mary University of London, UK;*
*Dr Mike Desborough - Oxford University Hospitals NHS Foundation Trust, UK;*

We have collaborated with many clinicians and researchers over the last 12 months. Their names and affiliations are provided here:
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Edward Dickson</td>
<td>Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>Paula Dhiman</td>
<td>University of Oxford, Oxford, UK;</td>
</tr>
<tr>
<td>Graham Donald</td>
<td>Patient and Public representative;</td>
</tr>
<tr>
<td>Dr Jez Fabes</td>
<td>Royal Free Hospital, London;</td>
</tr>
<tr>
<td>Dr Betty Gratton</td>
<td>University College London Hospitals NHS Foundation Trust, London, UK;</td>
</tr>
<tr>
<td>Dr John Girdlestone</td>
<td>NHSBT, UK;</td>
</tr>
<tr>
<td>Dr Laura Green</td>
<td>NHSBT &amp; Barts Health NHS Trust, UK;</td>
</tr>
<tr>
<td>*Dr George Greenhall</td>
<td>NHSBT, UK;</td>
</tr>
<tr>
<td>Kennedy Hao</td>
<td>Medical Student, University of Toronto, Canada;</td>
</tr>
<tr>
<td>Dr Stephen Hibbs</td>
<td>University of Oxford, UK;</td>
</tr>
<tr>
<td>Dr Jonathan Huber</td>
<td>University Hospital Southampton, UK;</td>
</tr>
<tr>
<td>*Dr Ruchi Kohli</td>
<td>Queen Mary University of London &amp; Barts Health NHS Trust, UK;</td>
</tr>
<tr>
<td>Dr Abi Lamikanra</td>
<td>NHSBT, &amp; University of Oxford, Oxford, UK;</td>
</tr>
<tr>
<td>Dr Lani Lieberman</td>
<td>University Health Network &amp; University of Toronto, Canada;</td>
</tr>
<tr>
<td>Dr Ed Litton</td>
<td>St John of God Hospital, Perth, Western Australia, Australia;</td>
</tr>
<tr>
<td>*Dr Tom Lloyd</td>
<td>Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>*Dr Eleni Louka</td>
<td>University of Oxford and Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>Jo McCullagh</td>
<td>Barts Health NHS Trust, UK;</td>
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<tr>
<td>Dr Stuart McKechnie</td>
<td>Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>*Hollie McKenna</td>
<td>NHSBT, UK;</td>
</tr>
<tr>
<td>Dr Zoe McQuilten</td>
<td>Monash University, Melbourne, Australia;</td>
</tr>
<tr>
<td>Dr Rebecca Mellor</td>
<td>NHSBT, UK;</td>
</tr>
<tr>
<td>Dr Yzan Mgdady</td>
<td>National Heart, Lung and Blood Institute, Washington, USA;</td>
</tr>
<tr>
<td>Dr Allison Mo</td>
<td>Monash University, Melbourne, Australia;</td>
</tr>
<tr>
<td>Dr Suzy Morton</td>
<td>NHSBT &amp; University Hospitals Birmingham NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>*Dr Karen Noeh</td>
<td>St Gemma’s Academic Unit of Palliative Care, University of Leeds, Leeds, UK;</td>
</tr>
<tr>
<td>*Dr Alex Novak</td>
<td>Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>*Dr Charles Oliver</td>
<td>University College London, London, UK;</td>
</tr>
<tr>
<td>Dr Antony Palmer</td>
<td>University of Oxford and Oxford University Hospitals NHS Foundation Trust, UK;</td>
</tr>
<tr>
<td>*Dr Shah Rahman</td>
<td>Frimley Health NHS Foundation Trust, Camberley, UK;</td>
</tr>
<tr>
<td>*Dr Mana Rahimzadeh</td>
<td>Medical student, University of Oxford, Oxford, UK;</td>
</tr>
<tr>
<td>*Dr Jack Reid</td>
<td>Brighton and Sussex University Hospitals NHS Trust, Brighton and Hove, UK;</td>
</tr>
<tr>
<td>Dr Noemi Roy</td>
<td>Oxford University Hospitals NHS Foundation Trust, UK;</td>
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**Further Funding**

Three funding applications were made between November 2018 and November 2019:

1) Lise Estcourt has made an application to the World Cancer Research Fund (WCRF) International Research Funding Team funds to support systematic reviews on “Evidence for impact in adult cancer survivors: The role of micronutrients on overall survival, quality of life and adverse events - systematic reviews with meta-analyses”. Iron folate and b12 are two of the micronutrients featured in the application, hence the involvement of the SRI. Susan Brunskill is one of the Co-applicants. The application was made in October 2019 between Lise Estcourt and the Cochrane Cancer Network and Cochrane Nutrition. If the application is successful, new systematic reviewers will be based both in Oxford and with the Cochrane Haematological Group in Germany.

2) A successful application was made by Lise Estcourt to NHSBT for one year’s salary for each of the Clinical Research Fellows employed through our NIHR Cochrane Programme grant. The programme grant provided enough money to fund two full time Clinical Research Fellows for two years each. However as both postholders have successfully applied in 2019 to The University of Oxford for undertake PhD’s, salary funds for year 3 were needed and have been acquired.

3) Akshay Shah made a successful funding application for £13,420 to Human Iron Research Oxford at the University of Oxford for a study titles “Erythroferrone in critical illness anaemia: an opportunity for novel mechanistic insights and developing clinical prediction models”.

We will be making a funding application to UK Forum in December 2019 to ensure the ongoing survival of our electronic libraries.

**Next Destination & Skills**

There have been changes to SRI core staff – see organogram [Appendix 1] for full details.
Dr Sheila Fisher left the SRI at the end of October 2019. Sheila has retired from active clinical research and has relocated to Shropshire.

Two members of staff who worked with SRI during the last year have moved on to new roles during this period: Dr Charlotte Brierley was an Academic Clinical Fellow between 2016 and 2019 and in early 2019 moved to be a Clinical Research Fellow at the Weatherall Institute of Molecular Medicine, University of Oxford, United Kingdom.

Dr Henna Wong was a Clinical Research Fellow in NHSBT between September 2016 and September 2019, whilst undertaking her PhD. Since September 2019 she has returned to clinical practice to complete her registrar training.

Their publications:

https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0037373


Fisher SA, Brunskill SJ Doree C Chowdhury O, Gooding S, Roberts DJ. Oral deferiprone for iron chelation in people with thalassaemia. Cochrane Database of Systematic Reviews 2013; (Issue 8):CD004839. DOI:


https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0064669


<table>
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<tr>
<td>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</td>
</tr>
</tbody>
</table>
Engagement Activities

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 over 2200 followers (221 for Stem Cell Evidence, 1796 for Transfusion Evidence Library and 221 for SRI).

Electronic Libraries Events activity
Fliers for the Transfusion Evidence Library were / will be handed on the following events:
- Oxford Centre for Haematology 2nd Annual meeting on July 2019
- Oxford Anaemia and Iron Mini-symposium, October 2019
- BSBMT Conference, October 2019
- Non-malignant Haematology patient evening, November 2019

In September 2019 an Electronic Libraries email address was created which we will use to make email contact with the authors of the 10 references included in each months Evidence Alert. The email will introduce the concept of the Evidence Alerts and inform authors that their paper is featured in one of our Electronic Libraries.

Talks or Presentations:
Members of the SRI have given the following talks over the last year:

- **[Lise Estcourt]:** Platelet transfusions. Advances in Transfusion Medicine, Royal College of Pathologists (RC Path), London, 22\(^{nd}\) November 2018.


- **[Susan Brunskill]:** presented a summary of the systematic review “Prohaemostatic factor concentrates for bleeding – what is the evidence?” at the Thames Valley Strategic Clinical Networks NSSG-Haematology meeting ‘Update on Aspects of Non-Malignant Haematology’ on 15th May 2019;

- **[Mike Murphy]:** Electronic systems for patient safety in hospitals, Georgetown University, Washington, USA on 16\(^{th}\) May 2019;

- **[Akshay Shah]:** “Intravenous Iron to Treat Anaemia following CritTical Care” (Oral presentation) - UK Critical Care Research Group Meeting, Leeds, UK, 06 Jun 2019;

- **[Mike Murphy]:** Electronic identification systems reduce the number of wrong components transfused, Haemonetics User Group meeting, Coventry, 27\(^{th}\) June 2019;


- **[Mike Murphy]:** Self-Assessment for Patient Blood Management, NHSBT PBM Meeting, Birmingham, 7\(^{th}\) October 2019;

- **[Akshay Shah]:** “Iron and critical illness” at the Oxford Anaemia and Iron Symposium, Oxford on 15\(^{th}\) October 2019;

- **[Naomi Gibbs]:** gave a talk at the National Centre for Modernising Transfusion Practice Congress on “Preoperative Anaemia in Elective Orthopaedic Surgery” on the 12\(^{th}\) November 2019

** Provision of training to external collaborators:**

We have provided on-the-project training to all our new [identified by an Asterix in the Collaborations section above] collaborators as required. 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.
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 4th year of running.

### Influence on Policy

We recorded the number of citations [Science Citation Index, Scopus citation count and Altimetric score] for our systematic reviews at October 2019. Please refer to PAPER C1 for this information.

17 Guidelines were published in late 2018 to October 2019 that have been informed by SRI systematic reviews:

- **Arsenic trioxide for treating acute promyelocytic leukaemia (2018).** *National Institute for Health and Care Excellence*. URL: [www.nice.org.uk/guidance/ta526](http://www.nice.org.uk/guidance/ta526)
  1 review:

  1 review:

  1 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*

1 Review:


1 Review:


1 Review:


1 review:


2 Reviews:


1 Review:


1 Review:


3 Reviews:


1 review:


5 Reviews:


2 reviews:


5 Reviews:


1 Review:


1 Review:

Research Tools & Methods
NIHR Cochrane programme grant [2]. We will be using a form of analysis: network meta-analysis that has not been used by the core group before. All working on the programme grant have attended specific NMA training in Oxford in
June 2019. We will receive support from both the Cochrane Complex Reviews Unit and Professor Nicky Welton from the University of Bristol in writing about, performing and analysis network meta-analyses.

We have started using the software package **Covidence** for our data extraction activities.


**Research Databases & Models**

See section below: **Software & Technical Products**

**Intellectual Property & Licensing**

Nothing to report.

We have talked about this for our electronic libraries, but the only aspect that we could consider would be the database and Evidentia Publishing does not think it is appropriate to apply for intellectual property for the database structure.

**Medical Products, Interventions and Clinical Trials**

**Clinical Trials** that have developed from one of our systematic reviews*:


- **REVIEW: Anti-fibrinolytics for the prevention of bleeding in patients with haematological malignancies** update of this review was referenced in the updated TREATT [ An ongoing, international trial “to evaluate a patients with haematological malignancies] trial documentation [ClinicalTrials.gov Identifier: NCT03136445'. Trial currently ongoing.
• **REVIEW:** Desmopressin for the treatment of platelet dysfunction and reversal of antiplatelet agents [2017]: 2 new CLINICAL TRIALS:
(1) DRIVE: a pilot, randomised trial of desmopressin versus placebo prior to procedure in intensive care patients. Awarding Body: NHSBT [ISRCTN12845429]. Trial completed but not published.

(2) 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 1st April 2019. [ClinicalTrials.gov Identifier: NCT03696121]. Trial currently ongoing.

• **REVIEW:** Iron supplementation to treat anaemia in adult critical care patients [2016]: 1 new clinical trial: INtravenous Iron to Treat Anaemia following CriTical Care (INTACT): a randomised feasibility study. [ISRCTN13721808] Protocol for this trial is available as an Epub ahead of print at *Journal of the Intensive Care Society* 2019; https://journals.sagepub.com/doi/10.1177/1751143719870080

**GRANT APPLICATIONs that have developed from one of our systematic reviews***:


• **REVIEWs in maternity [Gaps in the evidence for prevention & treatment of maternal anaemia, 2012]** have informed a successful funding application to NIHR titled: “Primary prevention of maternal ANaemia to avoid preterm Delivery and other Adverse outcomes (PANDA)”. Awarded £2.3 million by NIHR in September 2019.

• **REVIEW:** Transfusion of fresher versus older red blood cells for all conditions [2016] informed a successful NIH grant application for an individual patient data meta-analysis: “Clinical Impact of Red Cell Storage Age: Individual Patient Data Meta-Analysis of Four Recent Large Randomized Trials” Grant awarded by NIH in June 2019.

* These being trials and grant applications that the PI’s working with the SRI have been involved with.
### Software & Technical Products

**Transfusion Evidence Library** ([www.transfusionevi
dencelibrary.com](http://www.transfusionevi
dencelibrary.com)). As of October 2019, the library contains 9,878 records, of those: 7,720 are RCTs, 2,082 are Systematic Reviews and 76 are Economic studies.

We currently have 25 subscribers to TEL (a decrease of 1 from last year when we had 26 subscribers). The subscribers are: 7 national blood services, 6 hospitals, 5 universities, 4 professional societies and 1 each of the following: health care library, health care trust and commercial company. We have gained two new subscribers this year [both from the US] and one institution has not renewed their annual subscription.

Royalties we have earnt this year are £10,408.10, although we have received only £7299.62 as £3118.54 was used to cover the cost of migration from Procite to Endnote.

Annual maintenance bill = £ 10,000.

A link to the Transfusion Evidence Library website link can be found on the following websites:

- Nice: [https://www.nice.org.uk/about/what-we-do/evidence-services/journals-and-databases](https://www.nice.org.uk/about/what-we-do/evidence-services/journals-and-databases)
- British Blood Transfusion Society: [https://www.bbts.org.uk/links/](https://www.bbts.org.uk/links/)
- Wiley Online Library: [https://onlinelibrary.wiley.com/journal/13653148](https://onlinelibrary.wiley.com/journal/13653148)

**TEL usage (taken from Google Analytics data).** Since the beginning of 2019 Transfusion Evidence Library has had 10,595 hits this year from 7399 individual users, a rise in both hits [up 6%, n=595] hits and individual users [up 5%, n= 332] since November 2018.

**Transfusion Evidence Library on Twitter:** On 23 October 2019 had 1796 followers on Twitter. Tweets are posted about the monthly email alerts and their contents, relevant awareness days, news items that contain content relevant to the content of TEL as well as retweeting tweets from the SRI twitter page and Stem Cell Evidence twitter page.

**Transfusion Evidence Alert.** We have 12,000 subscribers to our monthly Transfusion Evidence Alerts. The Geographical breakdown of the monthly alert is as follows:

- Europe and UK: 3,750, between 1,000 – 1,300 from the UK.
- Asia Pacific: 3,500, including: ANZSBT (Australia / New Zealand Society of Blood Transfusion) and ISTM (Indian Society for Transfusion Medicine) members.
<table>
<thead>
<tr>
<th>Region</th>
<th>Number of Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America</td>
<td>2,750</td>
</tr>
<tr>
<td>Middle East &amp; Africa</td>
<td>900</td>
</tr>
<tr>
<td>Latin America</td>
<td>350</td>
</tr>
<tr>
<td>Unassigned</td>
<td>750</td>
</tr>
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</table>

**Stem Cell Evidence** (using the domain name, [www.stemcellevidence.com](http://www.stemcellevidence.com)) was launched in April 2017 and now contains over 5,000 records [a rise from 3,267 records on 1st November 2018]. PICO summaries for Stem Cell Evidence were launched in June 2019.

Royalties earned this year are none as *Stem Cell Evidence* is a ‘free at the point of access’ database.

Annual maintenance bill = £25,000

**Stem Cell Evidence usage (taken from Google Analytics data).** Since the beginning of 2019, Stem Cell Evidence has had 2010 hits this year from 1399 individual users.

**Stem Cell Evidence on Twitter:** On 23 October 2019 had 221 followers on Twitter. Tweets are posted about the monthly email alerts and their contents, relevant awareness days, news items that contain content relevant to the content of TEL as well as retweeting tweets from the SRI twitter page and Stem Cell Evidence twitter page.

**Stem Cell Evidence Alert.** We have 963 subscribers to our monthly Stem Cell Evidence Alerts, a rise of 27% since November 2018 [n = 706 alert subscribers in November 2018].

A link to Stem Cell Evidence can be found on the following websites:

- **BSBMT:** [http://bsbmt.org/for-healthcare-professionals/](http://bsbmt.org/for-healthcare-professionals/)
- **NHSBT Library, Evidence Search section**

We have promoted Stem Cell Evidence at the National Apheresis Conference in June and the 2nd King’s College London Bone Marrow Failure/Aplastic Anaemia Meeting in October 2019.

**Spin Outs**

Nothing to report

**Awards and Recognition**

Naomi Gibbs won a Clarendon-Kingsgate scholarship to undertake a PhD at the University of Oxford.
Mike Murphy has been President of the American Association of Blood Banks [AABB] and Treasurer for the BEST collaborative for the last 12 months.

Lise Estcourt has become a Principal Investigator for NHSBT.

Akshay Shah has successfully completed his one year Anaesthesia trainee editor fellowship which began in August 2018.

Akshay Shah has submitted the Cochrane review entitled “Transfusion of red blood cells stored for shorter versus longer duration for all conditions” for Royal College of Anaesthetists Maurice P Hudson Prize – outcome awaited.

Akshay Shah was invited to be a member of European Society of Intensive Care Medicine Transfusion Guideline Writing Committee (March 2019) for the guideline “Transfusion strategies in non-bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine”. The completed guideline is currently under consideration for publication with *Intensive Care Medicine*.

### Use of Facilities & Resources

**Resources:**

We use Covidence for all our screening activities and are now using Covidence to undertake data extraction for our Cochrane reviews. We are required to use Covidence for all our Cochrane systematic reviews and have bought a licence which gives us 5 separate, non-Cochrane review screening activities per year.

**Training Received:**

SRI team members have attended the following training activities since 1st November 2018:

**Susan Brunskill**

- Attended the inaugural *James Lind Alliance: Community Group* meeting on 12th January 2019;
- Attended a 2 day NHSBT workshop on *Manager as Coach* on 23rd and 24th January 2019;
- Attended a Cochrane Webinar, *Practical methods for handling missing summary statistics in meta-analysis of continuous outcome* on 5th February 2019;
- Attended two NFP Workshops, ‘Bid Writing - the Basics’ and ‘Bid Writing – Advanced’ on 11th June 2019.
Catherine Kimber
- Completed online training on search engine optimisation
- Completed online training on recording videos using PowerPoint

Alicia Plaza-Cajide
- Completed the course: **Online Presence: Taking control pop up** during June 2019

Lise Estcourt
- Attended the **Cochrane Editorial Meeting** Krakow 1st to 3rd April 2019
- Attended the Cochrane methods meeting in Bristol on ROB2.0 and ROBINS-I , 10th July 2019
- Will attend the NIHR CRSU Training Day for Cochrane Programme Grant holders, 22 November 2019

Rita Solanki
- Attended **Cochrane UK & Cochrane Ireland Symposium 2019**, Said Building, Oxford University, 21st March 2019
- Attended the ‘6th Course on **Network Meta-Analysis**’, Warneford Hospital, Oxford - June 24th – 26th 2019

Giok Ong
- Attended **Cochrane UK & Cochrane Ireland Symposium 2019**, Said Building, Oxford University, 21st March 2019
- Attended the ‘6th Course on **Network Meta-Analysis**’, Warneford Hospital, Oxford - June 24th – 26th 2019

Anair Beverly
- Attended the ‘6th Course on **Network Meta-Analysis**’, Warneford Hospital, Oxford - June 24th – 26th 2019

Naomi Gibbs
- Attended the ‘6th Course on **Network Meta-Analysis**’, Warneford Hospital, Oxford - June 24th – 26th 2019

Akshay Shah
- Attended a **Pharmacovigilance workshop** at the Oxford Clinical Trials Unit [OCTRU] on 13 Sep 2019

### Other Outputs & Knowledge / Future Steps

The information science workload has remained consistent over the past year with support required for the NIHR Programme Grant network meta-analyses, and for many new and updated SRI systematic reviews. During 2018/19 Carolyn has also given full information science support to the following external projects:
• Cochrane PICO Annotation for the Cochrane Injuries Group – annotating all transfusion-related reviews. (Ongoing)

**Future Steps [please see PAPER I for a fuller description of our objectives and steps for the next 12 months]:**

For our electronic libraries:

• Secure funding for Stem Cell Evidence and the Transfusion Evidence Library from April 2020
• Work with NHSBT Procurement to agree the form of waiver/contract that we need to have with Evidentia Publishing for the libraries
• Request that links to both libraries are placed on the NHSBT R&D website homepage.
• Develop a dissemination strategy for the libraries for 2020:
  • Include PICO summaries for all TEL records that have appeared in a monthly evidence alert. Achieve this for the March 2020 alert.

For our staffing resource:

• Apply to the UK Forum in December 2019 for new funding for a 0.5 WTE band 7 Systematic reviewer post.

For our systematic reviews:

• Complete update 1 of the Cochrane review “Pro-coagulant haemostatic factors for the prevention and treatment of bleeding in people without haemophilia” and the Cochrane review “Transfusion of red blood cells stored for shorter versus longer duration for all conditions”
• Complete data extraction and network analysis for NIHR Cochrane Programme Grant review: “Pharmacological interventions for the prevention of bleeding in people undergoing elective hip or knee surgery: a systematic review and network meta-analysis” and “Drugs to reduce bleeding and transfusion in adults undergoing cardiac surgery: a systematic review and network meta-analysis”.
• Complete the searching and screening for the NIHR Cochrane Programme Grant review “Drugs to reduce bleeding and transfusion in major open vascular or endovascular surgery: a systematic review and network meta-analysis” and Pharmacological interventions for the prevention of bleeding in people undergoing definitive fixation of hip, pelvic and long bone fractures: a systematic review and network meta-analysis”.
• Develop a protocol, complete the searching and screening and start data extraction for a fifth review in the NIHR Cochrane Programme grant series: “Pharmacological interventions for the treatment of bleeding in
| people treated for blunt force or penetrating injury in an emergency department: a systematic review and network meta-analysis”.  
Other:  
- Develop an SRI mini website within the NHSBT external facing website  
- Implement agreed plan to define SRI priority topic areas for the period 2020-2024. |
**PAPER C, APPENDIX 1: SRI staff November 2018 to current**

- **Systematic Review Initiative:**
  - Clinical Leads: Mike Murphy, Simon Stanworth & Lise Estcourt.
- **NIHR Cochrane Programme Grant & Consultant Haematologist:** Lise Estcourt
- **SRI core funding:** NHSBT core funding, NIHR funding, Other funding.
- **Funding Streams**
  - SRI core funding: UK Forum
  - NHSBT core funding
  - NHSBT & NIHR funding
  - NIHR funding
  - Other funding

**Systematic Review Initiative Clinical Leads**
- Mike Murphy, Simon Stanworth & Lise Estcourt.

**Information Specialist**
- (1.0 WTE)
- Carolyn Dorée

**Systematic Reviewer**
- (0.5 WTE)
- Sheila Fisher until 31 October 2019

**Assistant Information Specialist**
- (25 hours per week: 15 hours for SRI & 10 hours for Stem Cell Evidence project)
- Catherine Kimber

**Systematic Reviewer**
- (0.5 WTE)
- Dr Anair Beverly & Naomi Gibbs

**Clinical Fellows (1.0 WTE):**
- Drs Anair Beverly & Naomi Gibbs

**Systematic Reviewers (0.5 WTE):**
- Rita Solanki & Dr Giok Ong

**Drs Anair Beverly is on maternity leave from 7 October 2019 to May 2020.**

**Academic Clinical Fellows**
- Akshay Shah (Oxford) from 2014: Critical Care
- Charlotte Brierley (Oxford), from 2016 to 2019: Haematology
- Henna Wong (Oxford): from 2016 to September 2019: Haematology
- Killian Donovan (Oxford): from 2018: Critical Care
- Alex Rampatos (Oxford) from 2019: Haematology
- Eleni Louka (Oxford) from 2019: Paediatric Haematology
- Tom Lloyd (Oxford) from September 2019: Orthopaedics.