

Systematic Review Data Repository Plus (SRDR+) Annual Report January 2022 through November 2022

Prepared for:

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Prepared by:

Brown University Evidence-based Practice Center
Center for Evidence Synthesis in Health
Department of Health Services, Policy, and Practice
Brown University School of Public Health
Providence, RI

Authors:

Bryant T. Smith, MPH, CPH (SRDR Administrator)
Jens Jap, BS (SRDR Lead Programmer)
Ian J. Saldanha, MBBS, MPH, PhD (SRDR Director)
Ethan M. Balk, MD, MPH (SRDR Co-Director, Principal Investigator)

Summary

This report summarizes trends in usage of the Systematic Review Data Repository Plus (SRDR+) Web site (sdrplus.ahrq.gov) during the period of January 2022 through November 2022. Where relevant, the current extent of usage of SRDR+ is summarized back to the Web Site's launch date (December 2018).

This report reports data for January to November 2022; because this report is submitted soon after the winter break, December 2022 data are not included. Over the current reporting period of 11 months, SRDR+ experienced a total of 123,773 visitors to the Web site. No data are available for July 2022. Thus, there was an average of 12,377 visitors per month during available months in 2022, with visitors logging a cumulative average of 13,533 sessions per month and approximately 6 page views per session. Most visitors to SRDR+ during this period were new visitors (97%, up from last year's 91%). These statistics demonstrate rapid growth in the use of SRDR+ since last year, during which over a 12-month period (January 2021 to December 2021), the site experienced a total of 28,640 visits, and a cumulative average of 3188 sessions per month, with 10 page views per session.

Since its launch and through November 2022, the SRDR+ Web site has had a global user base, receiving requests for user accounts from Internet Protocol (IP) addresses originating from 117 countries (up from last year's 109 countries). Among these countries, the greatest number of requests were received from the United States (1,217 requests), followed by requests from United Kingdom (370), India (167), and Canada (145).

Staff members from all Evidence-based Practice Centers (EPCs) currently funded by the United States Agency for Healthcare Research and Quality (AHRQ) were trained and certified to contribute systematic review data to SRDR+. EPCs have contributed 26 of the 36 projects published on the SRDR+ Web site.

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A. Introduction

The Systematic Review Data Repository (SRDR), and its contemporary successor, SRDR+, were released for use by the public in June 2012 and December 2018, respectively. On January 5, 2022, the SRDR platform was fully decommissioned. SRDR+ is currently maintained by the Brown University Evidence-based Practice Center (EPC). The Brown EPC's SRDR+ maintenance activities are funded by the Agency for Healthcare Research and Quality (AHRQ) and include developing new tools/features for SRDR+ and providing support for their users.

SRDR+ functions as a screening and data extraction tool as well as an archive for systematic review data. It is used by organizations and individuals producing systematic reviews worldwide. Both sites enable the creation of a central database of systematic review data.

Systematic review projects related to any topic in any field may be created on SRDR+, regardless of whether the review's focus is on interventions, diagnosis, epidemiology, methodology, or other aspects. However, it should be clarified up front that the reviews with data made publicly available through SRDR+ may not represent all systematic reviews; rather, they represent mostly the reviews funded by AHRQ, along with those conducted by other groups and individuals.

Following the January 2022 decommissioning of SRDR, the data from all systematic reviews that had been made publicly available through SRDR were migrated to SRDR+. In addition to updating the overall interface and user experience of SRDR, SRDR+ includes the following key capabilities:

- 1) Import of citations into SRDR+ through a variety of possible file formats.
- 2) Screening abstracts and management of the lifecycle of citations in a systematic review starting from abstract screening, all the way through to full data extraction and adjudication.
- 3) Extraction outcome definitions in a format consistent with other platforms, such as ClinicalTrials.gov.
- 4) Adjudication of discrepancies between data extracted by two or more extractors from the same study (i.e., Data Comparison Tool). This Data Comparison Tool displays copies of extracted data pertaining to the same study side-by-side and flags disagreements that require resolution.
- 5) Import of systematic review data from other platforms into SRDR+.

Our specific objectives in this Annual Report are to describe the extent of usage of SRDR+ since the last annual report was published in January 2022. When possible and relevant, we have provided data back to the launch date of SRDR+.

B. Data source and data collection method

To enable the collection of information regarding the growth of the SRDR+ database monthly, the Brown EPC implements custom MySQL queries that are executed on the SRDR+ production server. Statistics are collected regarding new user registrations, newly initiated projects, and the number of studies residing in the system.

Both registered and non-registered users of SRDR+ can download data from projects published to SRDR+. Users who are simply browsing published content (i.e., non-registered users) may do so by providing an email address into the Downloadable Data Content section of an SRDR+ published project. To obtain an accurate count of visitors (registered and unregistered), Google Analytics® server files are parsed directly. These files contain data for all visitors to the site (new and returning visitors, number of sessions, and number of pages viewed per session), regardless of account type. These data are used to create Table 1 in Section D of this report.

C. Results

Site Visit Statistics for the SRDR+ Web site

According to Google Analytics®, the SRDR+ Web site experienced a total of 123,773 visitors to the site from January 2022 to November 2022 (excluding the month of July 2022, for which no data were collected due to a change to the Google Analytics Dashboard during that month). This number of visitors represents a more than 4-fold increase compared with the period of January 2021 through December 2021 (visitors = 28,640). The average number of visitors to the site per month since January 2022, was 12,377 (range 1,536 to 17,868), with most visitors to the site (97%) being new users (12,0544 new users vs. 3,229 returning users). As illustrated in Figure 1 and listed in Table 1 of this report, the number of returning visitors to the site has remained relatively stable from January 2021 through November 2022, with an average of 263 returning visitors per month (range 149 to 392). During the period of January 2021 through November 2022, the number of new visitors to the site spiked in November 2021 and again in

February 2022, followed by a sharp increase starting in May 2022, which leveled off at an average of 17,122 new visitors (range 16,781 to 17,601) through November 2022. Potential contributing factors to these increases include: 1) in November 2021, the MITRE® group, a subcontractor of AHRQ, crawled the SRDR+ Web site in order to curate keywords for various projects on the site (as part of an audit); 2) in October 2021, November 2021, and February 2022, the AHRQ Scientific Resource Center (SRC) performed penetration testing on the SRDR+ website to determine how best to link projects on the site with their respective reports on the EHC Web site. These automated requests to the SRDR+ website also contributed to the increases in new visitors in May 2022 that have continued through November 2022.

From January 2022 to November 2022, excluding July 2022, visitors logged a cumulative average of 13,533 sessions per month (6.3 times the average number of sessions per month during the period January to December 2021) (Table 1). During each session, an average of 6 pages of the site were viewed. Figure 2 shows the increasing trend in the total number of pages viewed per month by visitors to the SRDR+ Web site since January 2022. As discussed above, the peaks can be explained by activities performed by the MITRE® group, the AHRQ SRC, and the automated requests to the SRDR+ site.

International reach of the SRDR+ Web site

Since its launch in December 2018, use of the SRDR+ Web site has continued to spread across the globe. As of November 30, 2022, requests for user accounts on the SRDR+ Web site have originated from 117 countries (as illustrated in Figure 3 and listed in Table 2 of Section C.2. of this Report), up from the 109 different countries reported in December 2021 and the 85 countries reported in January 2021. As was observed last year, the greatest number of account requests continue to originate from the United States (1,217), followed by the United Kingdom (370) and India (167). In contrast to last year though, Canada supplanted Brazil with the 4th highest number of requests (145) to Brazil's (144). China now registers the 6th highest number of requests with 117, up from last year's 77 Chinese requests (see Table 3 for the 10 countries with the greatest number of account requests). The SRDR+ Web site now employs an email confirmation safeguard when users register new accounts. This has led to the SRDR+ Web site's avoidance of spoof account requests, which had previously been a problem.

Usage of the SRDR+ Web site (Accounts Requested and Projects Created)

From January to November 2022, the SRDR+ Web site added 1,881 new registered users accounts. This represents a 20% increase compared with the number of accounts (1529 accounts) added to the site during the year before (January to December 2021, not including the 3,081 user accounts created by the Synack® security team) (See Figure 4 in Section D.4 of this report).

Consistent with the growth of user accounts on the site, 888 projects with one or more data extractions, were created on SRDR+ as of November 30, 2022 (up from 542 created as of January 1, 2022, and the 208 projects created as of December 2020) (see Figure 5 and Table 4 in Section D.4 of this Report). This number does not include 183 published projects migrated from the SRDR Webs site, the 107 projects created by the Synack® security team to test the security of the SRDR+ site, or the 86 projects created by SRDR staff for testing or demonstration purposes. It is assumed that projects without any data extractions may indicate that the project is either: 1) very new and actual data extraction has not commenced; or 2) users are “trying out” SRDR+ without initiating an actual systematic review.

Among the 888 projects initiated on the SRDR+ Web site, 36 projects were published through the SRDR+ Published Projects page (link: https://srdplus.ahrq.gov/published_projects) (see Figure 6 in Section D.4 of this report). None of these projects were an update of an existing project in SRDR+. Furthermore, among the 36 published SRDR+ projects, EPCs contributed 26 projects (see Figure 7 in Section F.1 of this report).

Tables 5 and 7 of this report list characteristics of the 36 projects published using SRDR+ and the 26 projects published to SRDR+ by EPCs, respectively. Among all 36 published projects (Table 5), 31 projects (86%) were entered using the manual method of data entry. The five remaining projects were entered using the upload method of data entry.

SRDR+ Excel Importer Pilot project and Tool Implementation

From January to November 2022, 7 EPCs (Johns Hopkins EPC, Kaiser Permanente EPC, Mayo Clinic EPC, Pacific Northwest EPC, RAND-USC EPC, RTI-UNC EPC, University of Minnesota EPC) took part in pilot testing the SRDR+ Excel Importer tool. As of November 30, 2022, 4 projects from Kaiser-Permanente EPC were ready to be published to the SRDR+ Published Projects page pending formatting requirements, and data were in the process of being imported for another 4 projects.

In late Fall 2022, the Excel Importer Tool was made available to all SRDR+ users. By completing a series of six steps, users can use the tool to import data saved in Excel sheets into their projects in SRDR+. The steps involved are: 1) Export Assignments and Mappings template, 2) Import completed Assignments and Mappings sheet, 3) Complete customizing the project extraction form, 4) Export Project extraction form in Excel format (aka Project Skeleton Excel sheet), 5) Enter project data into the Project Skeleton Excel Sheet, and 6) Import the Project Skeleton Excel Sheet. As of November 30, 2022, no projects that used the Excel Importer have yet been published to the SRDR+ Published Projects page.

SRDR+ Conference Presentations, Invited Talks, and Training Sessions

During the current reporting period (January 2022 through November 2022), we presented information regarding SRDR+ and networked with colleagues to promote dissemination. This included four invited presentations and one contributed presentation and software demonstration (see Section E.2 of this report).

For detailed statistics, please refer to the following tables and figures.

Table 1. General visit statistics for the SRDR+ Web site (www.srdplus.ahrq.gov) by month from January 2020 through November 2022

Figure 1. Number of new and returning visitors to the SRDR+ Web site for each month from January 2020 through November 2022

Figure 2. Number of page views by visitors to the SRDR+ Web site for each month from January 2020 through November 2022

Figure 3. Geographic distribution of requests for SRDR+ user accounts as of site launch in December 2018 through November 2022

Table 2. Number of requests for SRDR+ user accounts by country of origin as of site launch in December 2018 through November 2022

Table 3. The Top-10 Ranked Countries by number of requests for SRDR+ user accounts as of site launch in December 2018 through November 2022

Figure 4. Cumulative number of registered user accounts on the SRDR+ Web site by month from site launch in December 2018 through November 2022

Figure 5. Cumulative number of projects initiated in SRDR+ by month from site launch in December 2018 through November 2022

Figure 6. Cumulative number of projects published in SRDR+ by month from first project published in May 2021 through November 2022

Table 4. Characteristics of projects initiated in SRDR+ as of November 30, 2022

Table 5. Characteristics of projects published in SRDR+ as of November 30, 2022

Figure 7. Cumulative number of EPC projects published in SRDR+ by month from first project published in June 2021 through November 2022

Table 7. Characteristics of EPC projects published in SRDR+ as of November 30, 2022

D. Usage of the SRDR+ Web site

D.1. Traffic on the SRDR+ Web site

Table 1. General visit statistics for the SRDR+ Web site (www.srdr.ahrq.gov) by month from January 2021 through November 2022

Category	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul ¹ 2022
Visitors																			
New	1080	1050	1251	1188	1540	1293	1076	1067	1118	2689	11796	939	1232	7042	1610	7926	17196	17111	NA
Returning	149	183	225	193	237	237	202	210	208	255	238	216	304	250	392	388	329	289	0
Total	1229	1233	1476	1381	1777	1530	1278	1277	1326	2944	12034	1155	1536	7292	2002	8314	17525	17400	0
Visit Details																			
Sessions*	1768	1804	2573	2135	2638	2302	1908	1935	2297	3828	12948	2120	2723	8452	3530	9725	18819	18105	0
Average Pages/session	12.18	10.62	10.62	8.69	11.35	11.15	9.01	9.80	11.18	7.61	2.93	13.46	11.02	4.48	13.13	4.43	3.35	2.90	0
Page views**	21534	19159	27325	18553	29941	25667	17191	18963	26963	29131	37937	28535	30007	37865	46349	43082	63044	52505	0

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Category	Aug 2022	Sep 2022	Oct 2022	Nov 2022
Visitors				
New	17601	16781	17233	16812
Returning	267	321	362	327
Total	17868	17102	17595	17139
Visit Details				
Sessions*	18878	17930	18817	18351
Average Pages/session	5.53	5.08	5.7	5.19
Page views**	104395	91084	107257	95242

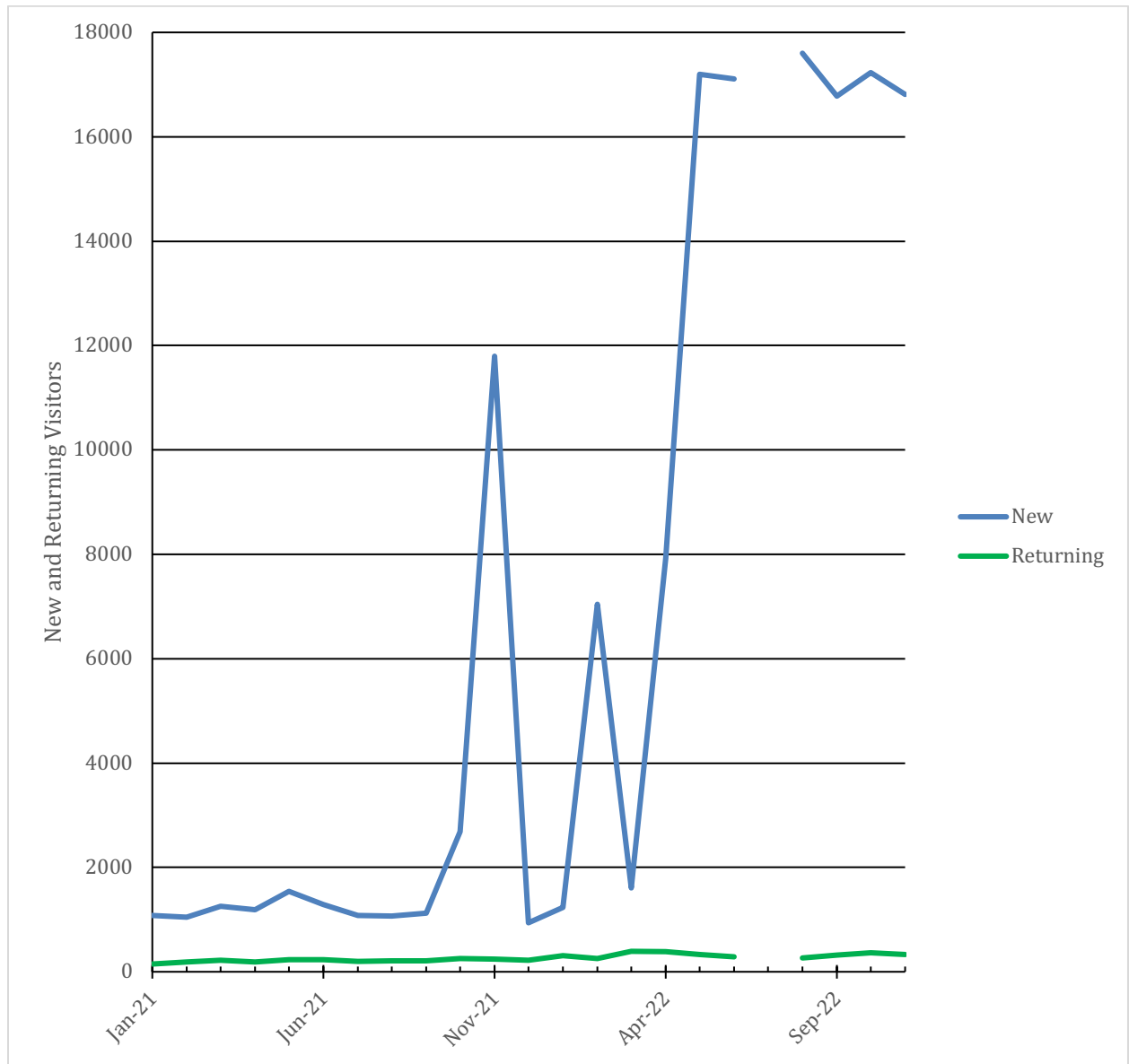
(Data Source: Google Analytics)

¹General visits statistics were not recorded by the Google Analytics tool through the entire month of July 2022 due to a change to the Google Analytics Dashboard during that same month).

* Sessions: The number of times users were actively engaged with the Web site (includes screen views, events, etc.) [From Google Analytics]

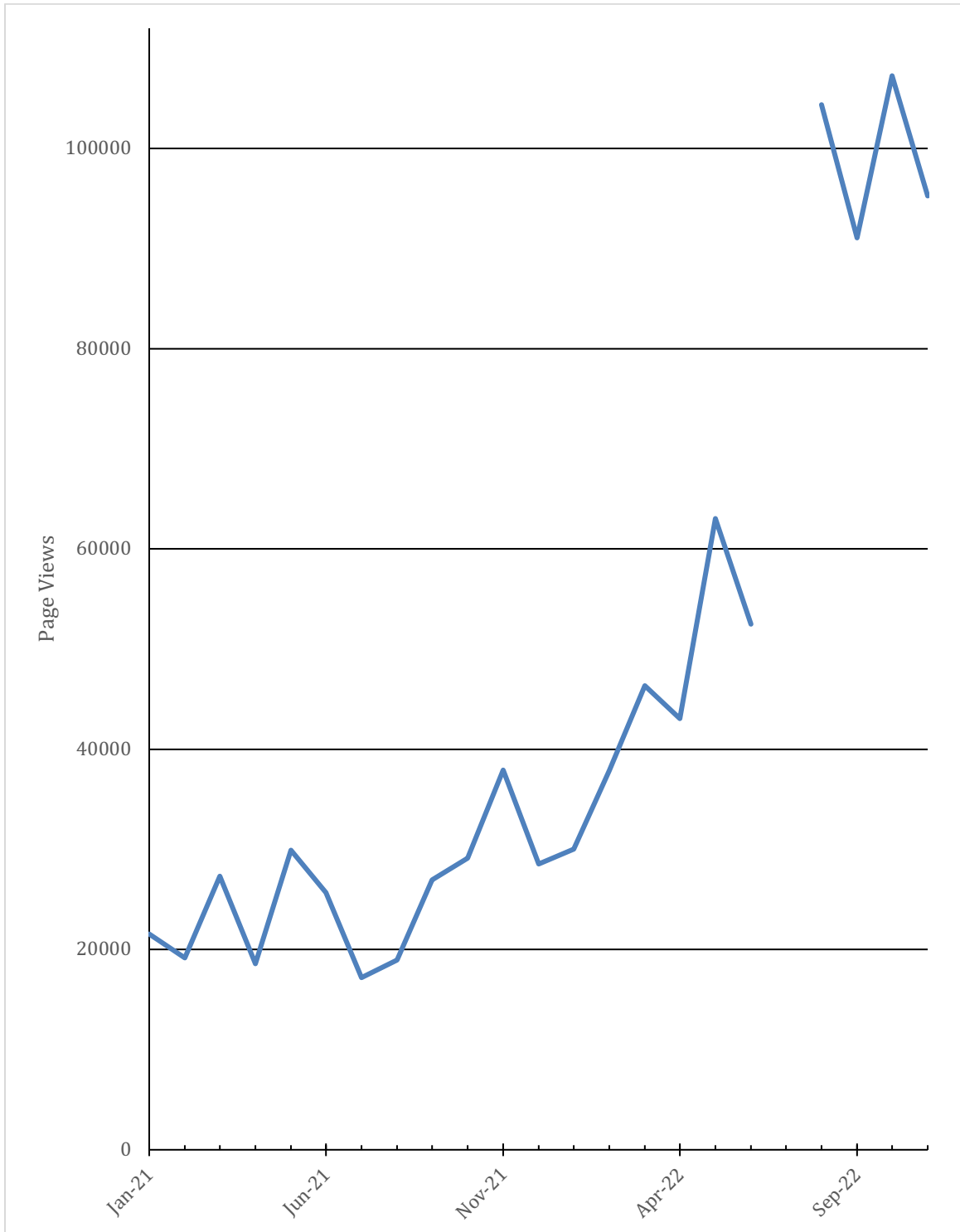
** Page views: The total number of pages viewed by users (repeated views of a single page are counted) [From Google Analytics].

Figure 1. Number of new and returning visitors to the SRDR+ Web site for each month from January 2021 through November 2022 – *MITRE Automated queries, penetration tests*



(Data Source: Google Analytics)

Figure 2. Number of page views by visitors to the SRDR+ Web site for each month from January 2021 through November 2022



(Data Source: Google Analytics)

D.2. Geographic Distribution of SRDR+ Users

Figure 3. Geographic distribution of requests for SRDR+ user accounts as of site launch in December 2018 through November 2022

Note: Blue shading represents countries in which SRDR+ users were located when they registered for a an SRDR+ user account

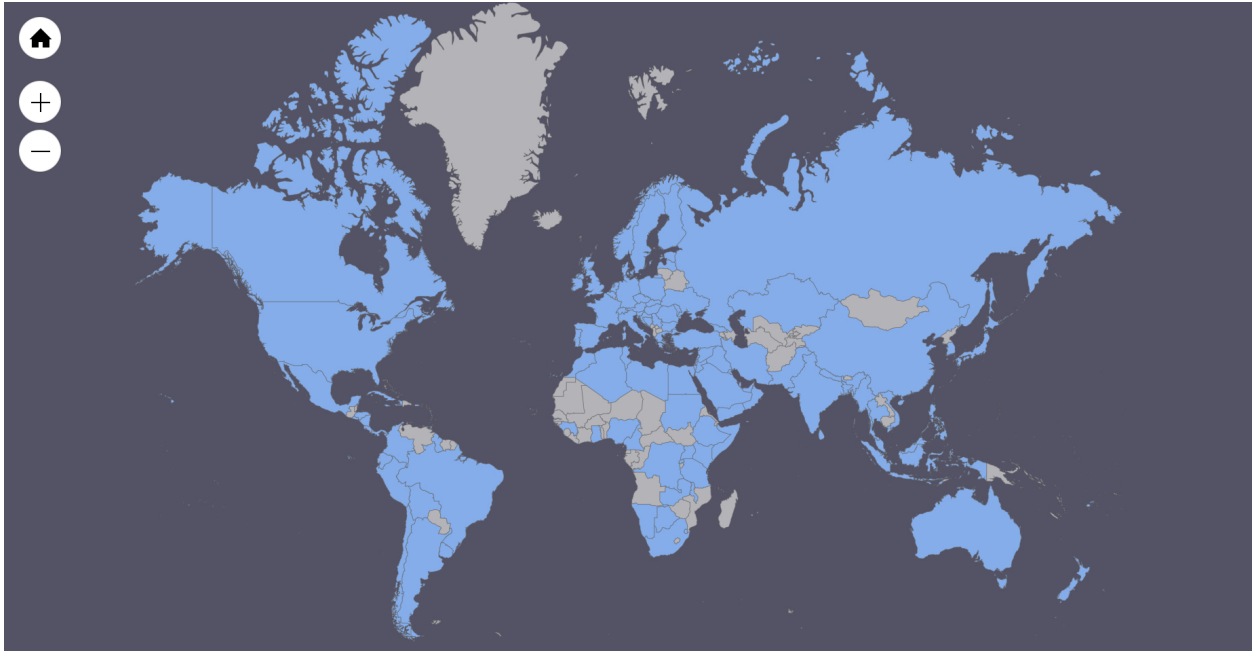


Table 2. Number of requests for SRDR+ user accounts by country of origin as of site launch in December 2018 through November 2022

Country	Number of Requests	Country	Number of Requests	Country	Number of Requests
Algeria	3	Guyana	2	Pakistan	25
American Samoa	4	Haiti	1	Palestinian Territory	2
Argentina	8	Honduras	1	Panama	4
Australia	113	Hong Kong	23	Peru	11
Austria	14	Hungary	6	Philippines	45
Bangladesh	10	India	167	Poland	18
Barbados	1	Indonesia	23	Portugal	39
Belgium	21	Iran, Islamic Republic of	29	Puerto Rico	1
Bolivia	1	Iraq	3	Qatar	6
Bosnia and Herzegovina	2	Ireland	38	Romania	19
Botswana	1	Israel	6	Russian Federation	9
Brazil	144	Italy	89	Rwanda	1
Brunei Darussalam	1	Jamaica	4	Saudi Arabia	29
Bulgaria	1	Japan	29	Serbia	1
Cameroon	3	Jordan	4	Singapore	24
Canada	145	Kazakhstan	3	Slovakia	1
Chile	17	Kenya	15	Slovenia	2
China	117	Korea, Republic of	14	Somalia	1
Colombia	41	Kuwait	2	South Africa	37
Congo	1	Latvia	4	Spain	83

Country	Number of Requests	Country	Number of Requests	Country	Number of Requests
Costa Rica	1	Lebanon	4	Sri Lanka	3
Croatia	2	Libya	2	Sudan	3
Cuba	1	Lithuania	1	Swaziland	1
Cyprus	1	Luxembourg	1	Sweden	33
Czech Republic	12	Macao	1	Switzerland	23
Denmark	28	Malawi	3	Syrian Arab Republic	1
Ecuador	8	Malaysia	30	Taiwan, Province of China	21
Egypt	27	Maldives	1	Tanzania	7
El Salvador	1	Malta	3	Thailand	21
Estonia	1	Martinique	1	Trinidad and Tobago	1
Ethiopia	32	Mauritius	2	Tunisia	3
European Union	5	Mexico	17	Turkey	15
Fiji	1	Moldova, Republic of	1	Uganda	3
Finland	5	Morocco	12	Ukraine	3
France	63	Myanmar	1	United Arab Emirates	9
Gambia	1	Namibia	1		
Georgia	3	Nepal	8		
Germany	107	Netherlands	67		
Ghana	7	New Zealand	20		
Greece	19	Nicaragua	1		
Grenada	2	Nigeria	27		

(Data Source: SRDR+ site via MySQL queries; Note: To identify country of origin of requests for public commentator or project contributor accounts, the MySQL query identified unique instances of IPs in the SRDR+ database from requests for contributor accounts were made since site launch in December 2018 through November 2022.

Table 3. The Top-10 Ranked Countries by number of requests for SRDR+ user accounts as of site launch in December 2018 through November 2022

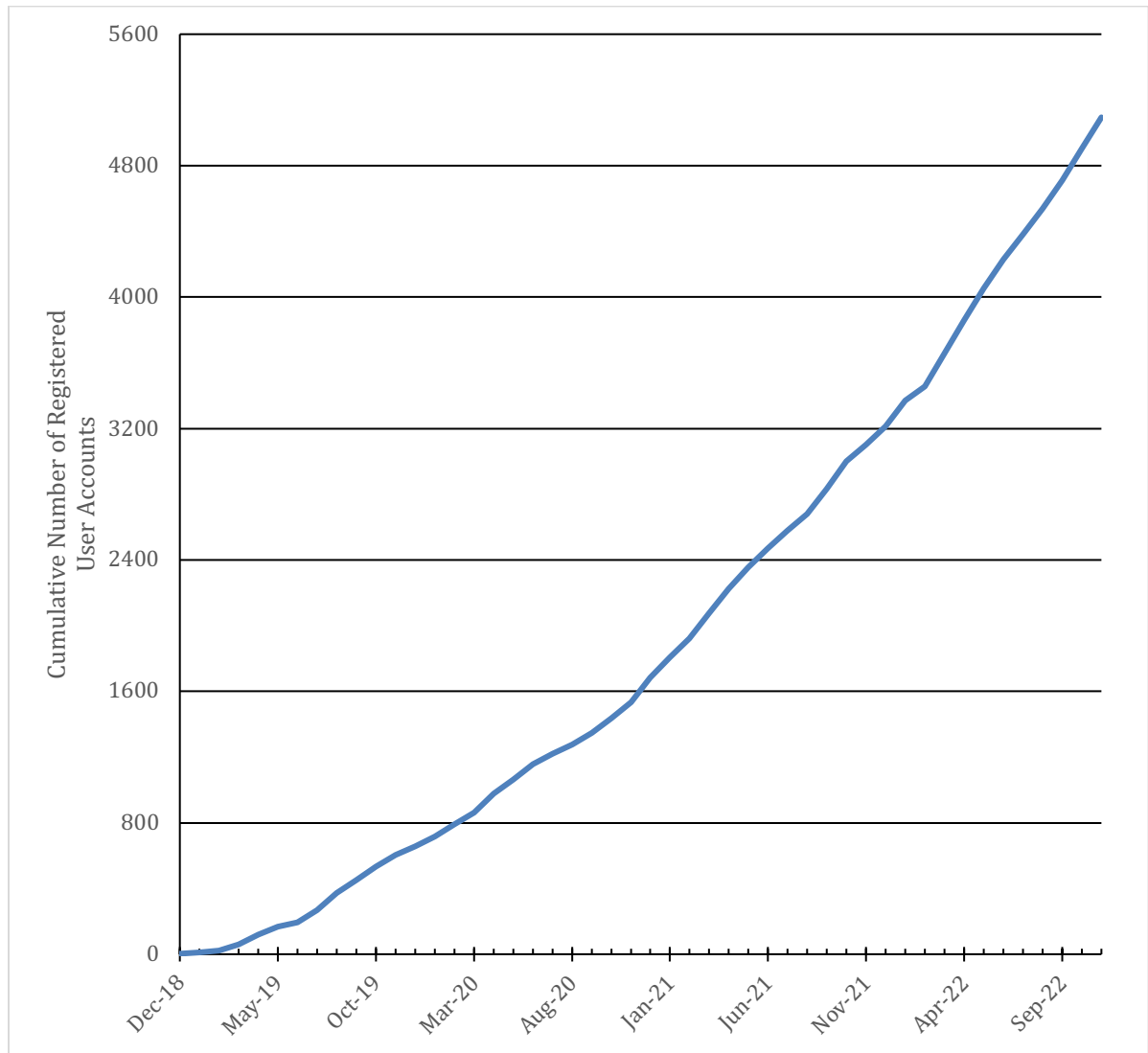
Ranking	Country	Number of Requests for January to November 2022
1	United States	1217
2	United Kingdom	370
3	India	167
4	Canada	145
5	Brazil	144
6	China	117
7	Australia	113
8	Germany	107
9	Italy	89
10	Spain	83

(Data Source: SRDR site via MySQL queries)

D.3. Registered Users on the SRDR+ Web site

D.3.a Registered user accounts growth

Figure 4. Cumulative number of registered user accounts on the SRDR+ Web site by month from site launch in December 2018 through November 2022

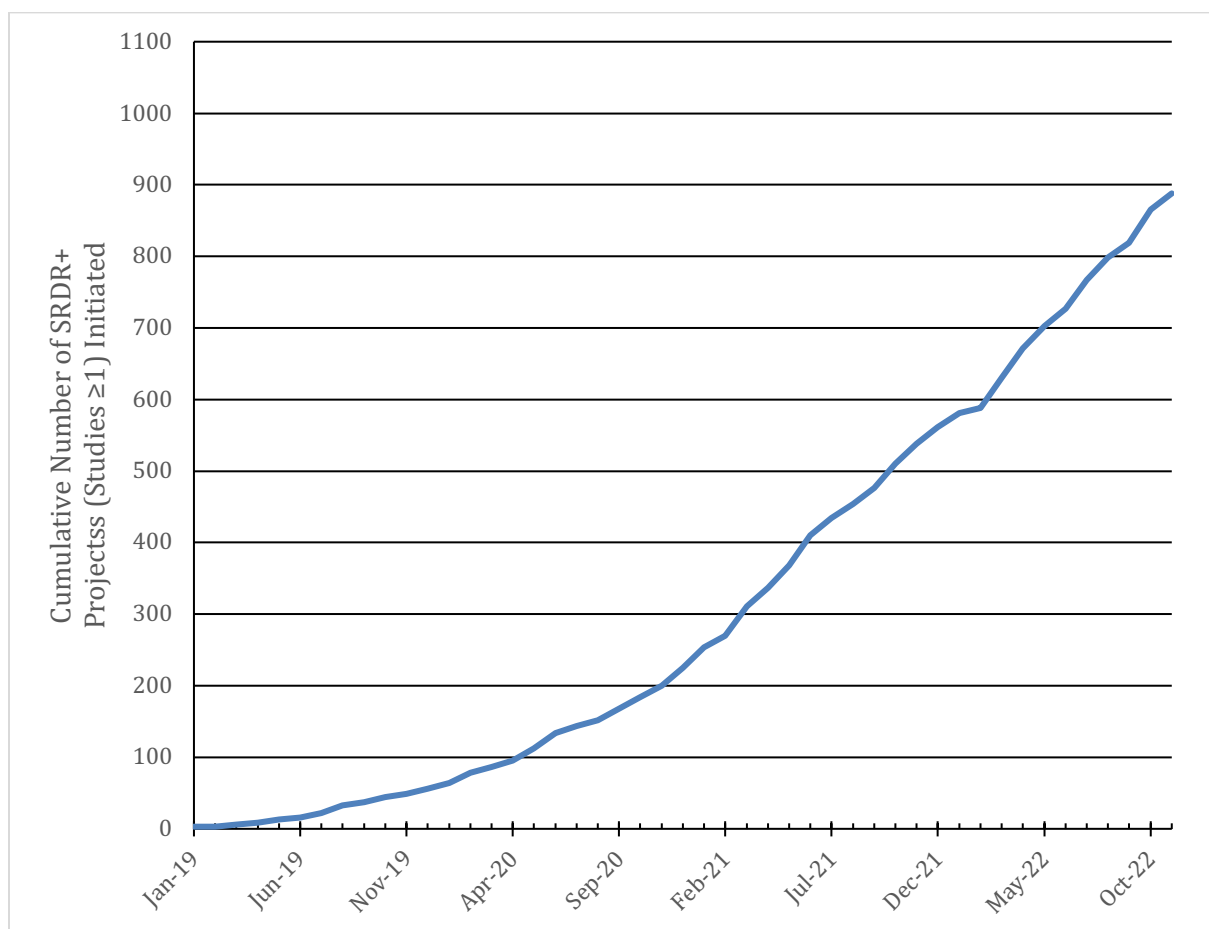


Total number of registered user accounts = 5094 (Not including 3081 Synack® testing accounts); Data Source: SRDR+ site via MySQL queries)

D.4. Projects in SRDR+

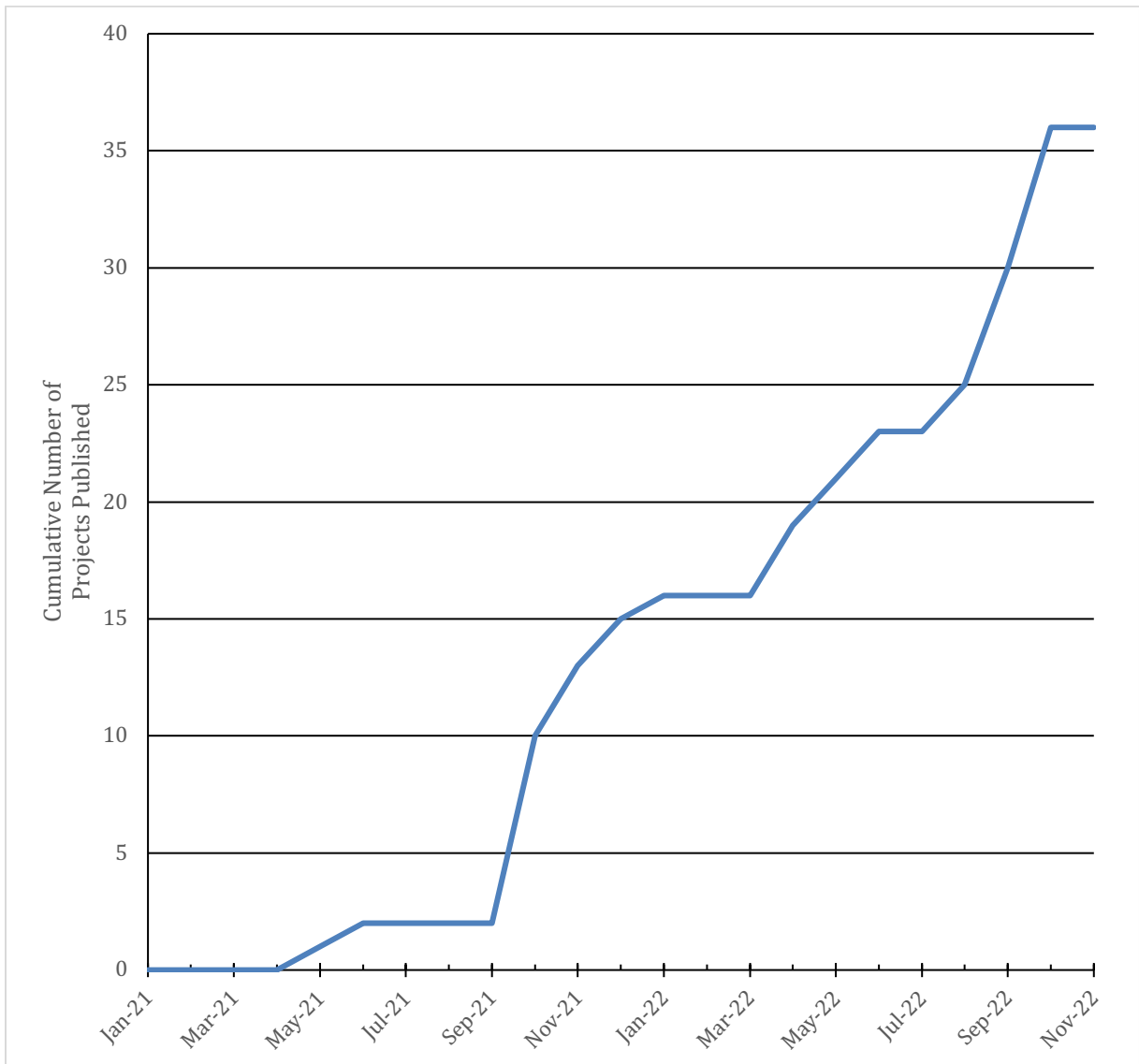
D.4.a SRDR+ projects growth and characteristics

Figure 5. Cumulative number of projects with 1 or more data extractions initiated in SRDR+ by month from January 2019 through November 2022



Total number of initiated projects with ≥ 1 study = 888 (Not including 183 SRDR published projects migrated to SRDR+ from SRDR, nor 107 projects initiated by Synack[®] staff for testing purposes, nor 86 projects initiated by SRDR staff for testing or demonstration purposes). Data Source: SRDR+ site via MySQL queries)

Figure 6. Cumulative number of projects published through SRDR+ by month from first project published in May 2021 through November 2022



Total number of published projects = 36 (Not including 183 SRDR published projects migrated to SRDR+ from SRDR); Data Source: SRDR+ site via MySQL queries

Table 4. Characteristics of projects~ initiated in SRDR+ as of November 30, 2022

Category	N (%)	Range	Additional Information
Total number of projects~	888 (100%)	-	19 projects in average were initiated per month since January 9, 2019
Total number of studies for all projects	1,829,160	1-144,614	
Projects with number of studies > 1	730 (82%)	1-144,614	-
Projects with number of studies ≥ 10	593 (67%)	10-144,614	-
Projects with number of studies ≥ 30	463 (52%)	30-144,614	-
Projects with number of studies ≥ 100	310 (35%)	100-144,614	-
Projects with number of studies ≥ 500	161 (32%)	500-144,614	-
Number of extraction form template(s)	888	-	All SRDR+ projects have exactly one extraction form by design.
Number of key questions	1961	1-43	Average of two key questions per project
Number of collaborators	1956	1-26	Average of two collaborators per project

(Data Source: SRDR+ site via MySQL queries)

~ Does not include projects that have zero studies, those that have been published or were created by SRDR or Synack® staff for testing and demonstration purposes, nor published projects migrated from the SRDR Web site.

Note: Projects in SRDR+ with 0 study data extractions can indicate one of the following: 1) project is very new and actual data extraction was not started yet; 2) users are just 'trying out' the system without an actual project. As of November 30, 2022, projects with zero studies = 2,399.

Table 5. Characteristics of projects published~ in SRDR+ as of November 30, 2022

Category	N (%)	Range	Additional Information
Total number of projects	36 (100%)	-	Average: 1 project/month published since the first project on May 28 2021
Total number of projects that entered computable data ^a in a structured format ^b using the SRDR+ Extraction form	29 (81%)	-	-
- Data manually entered into form	29	-	-
- Data imported into form	0	-	-
- Data partly manually entered and partly imported into form	0	-	-
Total number of projects that entered computable data in a non-structured format using the SRDR+ Extraction form	2 (5%)	-	-
- Data manually entered into form	2	-	-
- Data imported into form	0	-	-
- Data partly manually entered and partly imported into form	0	-	-
Total number of projects that only entered un-computable data (e.g., Word Doc, Excel, and PDF files)	5 (14%)	-	-
Total number of projects that entered both computable and un-computable data	0 (0%)	-	-
- Manual entry and upload	0		
- Import and upload	0		
Total number of projects with associated SR-360s	4 (11%)	-	-
- Projects with published SR-360s	1	-	1 SR-360 published by Brown EPC
- Projects with unpublished SR-360s	3		2 SR-360s created by the Pacific Northwest EPC 1 SR-360 created by Rutgers MSST
Total number of EPC projects that are updates of existing projects in SRDR or SRDR+	0 (0%)		
- Projects that used data previously deposited in SRDR or SRDR+	0 (0%)		
Total number of extractions for all projects	527	7-527	Average of 77 extractions per project
Projects with number of extractions ≥ 1	36 (100%)	7-527	-
Projects with number of extractions ≥ 10	34 (94%)	10-527	-
Projects with number of studies ≥ 30	24 (67%)	30-527	-
Projects with number of studies ≥ 100	7 (19%)	110-527	-
Projects with number of studies ≥ 200	2 (6%)	364-527	-
Number of key questions	169	1-16	Average of four key questions per project
Number of collaborators	140	1-15	Avg. of four collaborators per project

(Data Source: SRDR site via MySQL queries)

~ Includes projects that have been published in the SRDR+ Web site and are thus available for viewing by the public.

^aNote: Computable data is defined as data which is entered into SRDR+ using either the manual entry or import method of data entry such that individual data points may be queried from the SRDR+ database. Not included under this definition are data that has been uploaded to an SRDR+ project as an un-queriable flat file (i.e., Word Doc, Excel, and PDF files).

^bNote: Structured data is defined as data which has been entered into SRDR+ using either the manual entry or import method of data entry such that data from individual arms, outcomes, or adverse events are extracted from studies into their own respective data fields. Not included under this definition are data entered such that data from multiple arms, outcomes, or adverse events are extracted from studies and merged into single text fields.

E. Training sessions

E.1. Remote Training/Certification of Project Contributors on the SRDR+ Web Site

Requests for new user accounts are automatically approved by SRDR+, pending confirmation by the system of a valid user email address. The following is a breakdown, by month, of the SRDR+ users who specified their organization when registering their SRDR+ accounts during January 2022 through November 2022.

January 2022

- Brown University
- Rutgers University
- University of Aleppo

February 2022

- Universidad Cooperativa de Colombia

March 2022

- ICMR-National Institute of Immunohaematology
- Rutgers University
- U.S. Department of Veterans Affairs
- Universidad Catolica Redemptoris Mater, UNICA, Nicaragua
- Universidad Cooperativa de Colombia

April 2022

- Brown University
- General Hospital of Attica KAT
- O'Connor Hospital
- Staffordshire University

May 2022

- Amsterdam UMC
- Federal University Birnin Kebbi
- Penn State
- Universitatea de Medicina Si Farmacie “Victor Babes” Din Timisoara
- Universitas Sebelas Maret
- University of Aveiro
- University of North Carolina at Chapel Hill

June 2022

- Chiang Mai University
- University of Alabama at Birmingham

July 2022

- Brown University
- Johns Hopkins University
- University of Sao Paulo

August 2022

- Brown University
- Rutgers University

September 2022

- Brown University
- Rutgers University
- St. John's University
- Troy University
- Universidade Fernando Pessoa

October 2022

- American Psychological Association
- Brown University
- Johns Hopkins University

November 2022

- Brown University

E.2. Conference Presentations / Invited Talks/ Webinars presented by SRDR staff

June 2022

- Title: “*SRDR+ updates and a focus on importing structured data from Microsoft Excel*”
- Type of Presentation: Invited presentation
- Meeting: 2022 June EPC In-person meeting – General Session
- Location: Rockville, Maryland, USA (presentation delivered remotely)
- Presenter: Dr. Ian Saldanha

July 2022

- Title: “*The Systematic Review Data Repository-Plus (SRDR+): A ‘FHIR-ed up, free tool for screening, data extraction, and data sharing’*”
- Type of Presentation: Contributed talk and software demonstration
- Meeting: 2022 Society for Research Synthesis Methodology annual meeting
- Location: Portland, Oregon, USA
- Presenter: Dr. Ian Saldanha

October 2022

- Title: “*SRDR+ Updates*”
- Type of Presentation: Invited Talk/Webinar
- Meeting: 2022 October Fall EPC Webinar – General Session
- Location: Virtual
- Presenters: Dr. Ian Saldanha and Dr. Lionel Bañez

October 2022

- Title: “*The Systematic Review Data Repository-Plus (SRDR+)*”
- Type of Presentation: Invited Talk/Webinar
- Meeting: 2022 October Fall EPC Webinar - EPC Program Manager Session
- Location: Virtual
- Presenter: Bryant Smith

November 2022

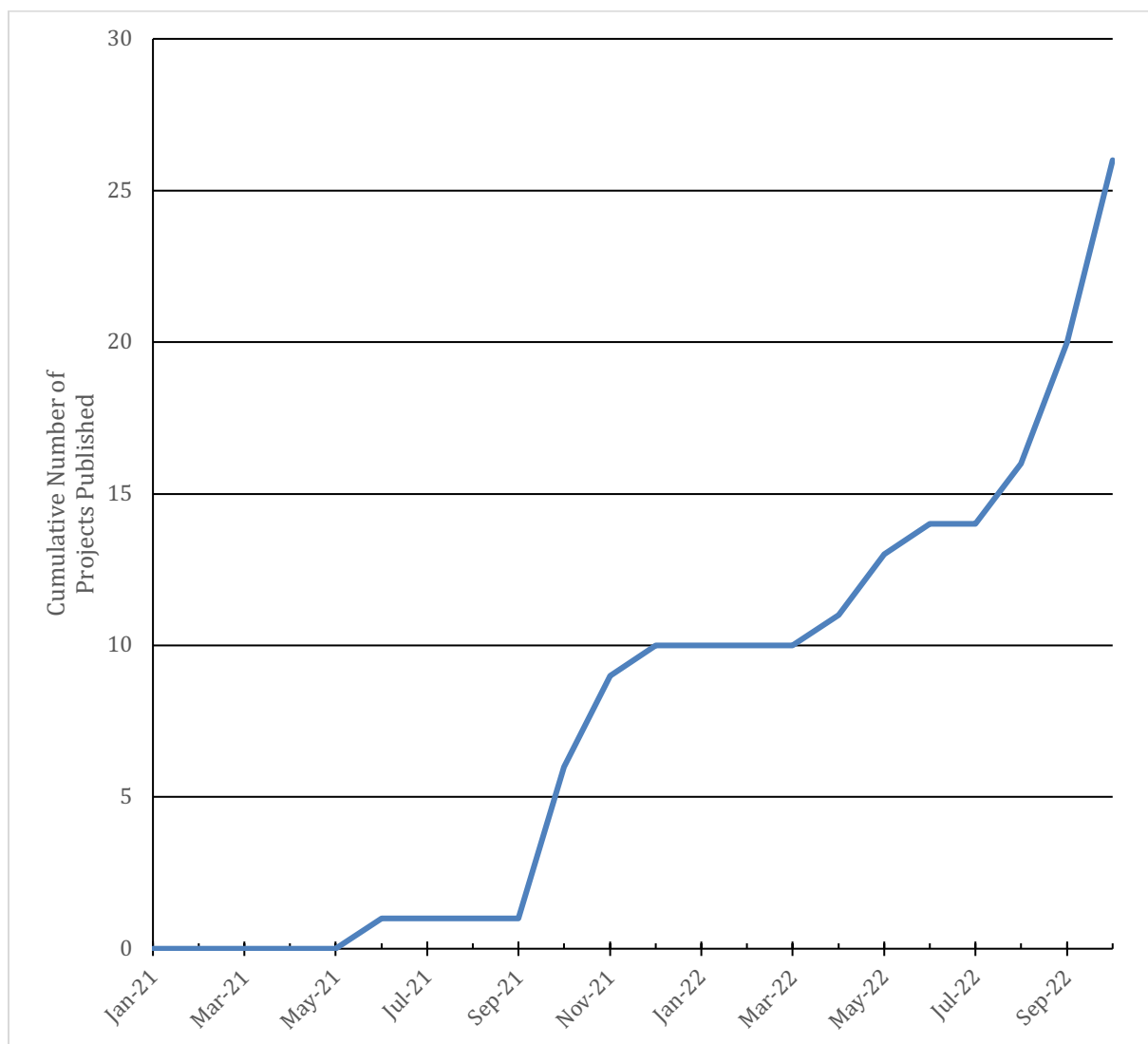
- Title: “*The Systematic Review Data Repository-Plus (SRDR+)*”
- Type of Presentation: Invited Talk/Webinar
- Meeting: 2022 November meeting of the PCORA Evidence Synthesis Workgroup
- Location: Virtual
- Presenter: Dr. Ian Saldanha

F. SRDR+ usage by EPCs

In 2020, we prioritized providing training and technical support to current EPCs, then to major organizations that conduct Systematic Reviews (e.g., Cochrane and researchers based in academic institutions), before responding to other requests. Since the launch of SRDR in June 2012, we have provided training to all nine EPCs currently contracted for EPC VI.

F.1. EPC published projects growth and characteristics in SRDR+

Figure 7. Cumulative number of EPC projects published in SRDR+ by month from first project published in June 2021 through October 2022



(Total number of EPC published projects = 26; Data Source: SRDR+ site via MySQL queries)

Table 7. Characteristics of EPC projects published~ in SRDR+ as of November 30, 2022

Category	N (%)	Range	Additional Information
Total number of projects	26 (100%)	-	Average: 1 projects/month were published since the first project in June 2021
Total number of projects that entered computable data ^a in a structured format ^b using the SRDR+ Extraction form	19 (73%)	-	-
- Data manually entered into form	19	-	-
- Data imported into form	0	-	-
- Data partly manually entered and partly imported into form	0	-	-
Total number of projects that entered computable data in a non-structured format using the SRDR+ Extraction form	2 (8%)	-	-
- Data manually entered into form	2	-	-
- Data imported into form	0	-	-
- Data partly manually entered and partly imported into form	0	-	-
Total number of projects that only entered un-computable data (e.g., Word Doc, Excel, and PDF files)	5 (19%)	-	-
Total number of projects that entered both computable and un-computable data	0 (0%)	-	-
- Manual entry and upload	0		
- Import and upload	0		
Total number of projects with associated SR-360	3 (12%)	-	-
- Projects with published SR-360s	1	-	1 SR-360 “Breast Reconstruction After Mastectomy” – published by Brown EPC
- Projects with unpublished SR-360s	2	-	2 SR-360s created by the Pacific Northwest EPC
Total number of EPC projects that are updates of existing projects in SRDR or SRDR+	0 (0%)		
- Projects that used data previously deposited in SRDR or SRDR+	0 (0%)		
Total number of extractions for all projects	794	17-189	Average of 79 extractions per project
Projects with number of extractions >1	10 (100%)	17-189	-
Projects with number of extractions ≥ 10	10 (100%)	17-189	-
Projects with number of studies ≥ 30	8 (80%)	37-189	-
Projects with number of studies ≥ 100	3 (30%)	110-189	-
Projects with number of studies ≥ 200	0 (0%)	-	-
Number of key questions	32	1-6	Average of 3 key questions per project
Number of collaborators	43	1-11	Average of 4 collaborators per project

(Data Source: SRDR site via MySQL queries)

~ Includes projects that have been published in the SRDR+ Web site and are thus available for viewing by the public.

^aNote: Computable data is defined as data which is entered into SRDR+ using either the manual entry or import method of data entry such that individual data points may be queried from the SRDR+ database. Not included under this definition are data that has been uploaded to an SRDR+ project as an un-queriable flat file (i.e., Word Doc, Excel, and PDF files).

^bNote: Structured data is defined as data which has been entered into SRDR+ using either the manual entry or import method of data entry such that data from individual arms, outcomes, or adverse events are extracted from studies into their own respective data fields. Not included under this definition are data entered such that data from multiple arms, outcomes, or adverse events are extracted from studies and merged into single text fields.

Appendix

Appendix A.1. Complete list of 3,666 unpublished projects currently in SRDR+ as of November 30, 2022

Please Note: This table is available upon request. Included in this table, however, are notable outlier projects that were either created to test the system or were created for purposes other than data extraction.

Appendix A.2. Complete list of 36 published projects currently in SRDR+ as of November 30, 2022

Please Note: The number of collaborators recorded in SRDR+ for each published project may not accurately reflect the number of contributors who authored the report. This is because the number of collaborators in a given project, as recorded in SRDR, equals the number of SRDR user accounts that retain access to edit the project on the SRDR Web site.

Also Note: The following definitions of Data Entry in SRDR+ - Manual entry (typing or copying and pasting data values, individually, into data fields on SRDR extraction forms); Importing (requires, first, formatting and saving the data as a Microsoft Excel spreadsheet. Data from the spreadsheet is then read and transferred, in batch, by the SRDR+ Data Import tool into data fields on SRDR+ extraction forms); and Uploading (Entails creating Amazon AWS Download links to “attach” PDF, text, MS Word, or MS Excel files containing study data to an SRDR+ project)

Project Title	Created Date	Published Date	Name of Organization	No. of Collaborators	No. of Citations	No. of Extractions	No. of Key Questions	Method of Data Entry
A Descriptive Analysis of the Scientific Literature on Meteorological and Air Quality Factors and COVID-19	10/15/20	5/28/21	National Institute of Environmental Health Sciences	2	61	61	13	Manual
Breast Reconstruction After Mastectomy	5/4/20	6/16/21	Brown EPC	15	324	160	8	Manual
Blood Stream Infections Outcomes-Oriented Scoping Review	11/13/19	10/5/21	American Society for Microbiology	4	77	127	1	Manual
EBV Serology for NPC Screening	3/2/21	10/5/21	Rutgers University	3	10	11	1	Manual
Blood Gas Analysis: Point of Care Testing (POCT) vs Central Laboratory	3/16/21	10/5/21	Rutgers University	3	8	7	3	Manual
Disparities and Barriers to Pediatric Cancer Survivorship Care	1/4/21	10/6/21	Southern California EPC-RAND Corporation	2	110	110	5	Manual
Radiation Therapy for Brain Metastases	4/22/21	10/6/21	Southern California EPC-RAND Corporation	1	97	97	4	Manual

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Project Title	Created Date	Published Date	Name of Organization	No. of Collaborators	No. of Citations	No. of Extractions	No. of Key Questions	Method of Data Entry
Interventional Treatments for Acute and Chronic Pain: Systematic Review	6/29/21	10/6/21	Pacific Northwest EPC	7	37	37	1	Manual
Safety of Vaccines Used for Routine Immunization in the United States: An Update	4/29/21	10/11/21	Southern California EPC-RAND Corporation	2	189	189	3	Manual
Prevention, Diagnosis, and Management of Opioids, Opioid Misuse, and Opioid Use Disorder in Older Adults	10/8/21	10/11/21	Brown EPC	2	57	57	3	Upload
Malnutrition for Hospitalized Adults: A Systematic Review	9/1/21	11/10/21	ECRI Institute-Penn Medicine EPC	2	17	17	3	Manual
Antipsychotics for the Prevention and Treatment of Delirium	10/29/21	11/10/21	JHU EPC	2	62	59	2	Upload
Living Systematic Review on Cannabis and Other Plant-Based Treatments for Chronic Pain	10/20/20	11/29/21	Pacific Northwest EPC	12	30	30	4	Manual
Management of Infantile Epilepsies	8/18/21	12/13/21	ECRI Institute-Penn Medicine EPC	4	41	41	3	Manual
The effect of preoperative stoma site marking on risk of stoma-related complications in patients with intestinal ostomy	1/25/21	12/20/21	Institute for Research in Operative Medicine, Witten/Herdecke University	3	79	28	1	Manual

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Project Title	Created Date	Published Date	Name of Organization	No. of Collaborators	No. of Extraction Forms	No. of Key Questions	No. of Studies	Method of Data Entry
The prognostic value of a baseline platelet count in patients treated with percutaneous coronary intervention: a systematic review and dose-response meta-analysis	10/2/21	1/4/22	Semey Medical University	5	19	38	2	Manual
Treatment of Hepatitis C in Chronic Kidney Disease. KDIGO 2022 update	12/15/20	4/16/22	Kidney Disease: Improving Global Outcomes (KDIGO)	5	527	527	6	Manual
Schedule of Visits and Televisits for Routine Antenatal Care	6/28/21	4/16/22	Brown EPC	8	20	19	3	Manual
The effectiveness of brief Interventions for preventative health behaviours within the Third and Social Economy sector	3/9/22	4/27/22	Northumbria University	1	8	8	2	Manual
Effectiveness of Telehealth for Women, Preventive Services	4/19/22	5/19/22	Pacific Northwest EPC	3	16	16	12	Manual
Screening for Eating Disorders in Adolescents and Adults: An Evidence Review for the U.S. Preventive Services Task Force	5/18/22	5/24/22	RTI-UNC EPC	2	59	59	5	Upload
Breast cancer and cardiovascular outcomes	1/29/22	6/27/22	Semey Medical University	5	142	142	2	Manual
Acute Pain Updates	5/4/22	6/27/22	Pacific Northwest EPC	3	20	20	8	Manual

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Project Title	Created Date	Published Date	Name of Organization	No. of Collaborators	No. of Extraction Forms	No. of Key Questions	No. of Studies	Method of Data Entry
Systematic Review on Nonopioid Pharmacologic Treatments for Chronic Pain	4/15/22	8/22/22	Pacific Northwest EPC	2	17	17	5	Manual
Systematic Review on Opioid Treatments for Chronic Pain - Surveillance Updates	7/28/22	8/22/22	Pacific Northwest EPC	3	14	14	16	Manual
Transitions of Care from Pediatric to Adult Services for Children with Special Healthcare Needs	5/11/22	9/14/22	Minnesota EPC	3	494	98	3	Manual
Diagnosis and Treatment of Clinical Alzheimer's-type Dementia (CATD): A Systematic Review	8/17/22	9/14/22	Minnesota	3	762	364	8	Upload
IPMP (Integrated Pain Management Programs)	8/26/21	9/21/22	Pacific Northwest EPC	8	79	79	2	Manual
Systematic Review on Noninvasive Nonpharmacological Treatment for Chronic Pain	5/12/22	9/21/22	Pacific Northwest EPC	3	36	36	8	Manual
The effect of volunteering on the health and wellbeing of volunteers: an umbrella review	7/25/22	9/29/22	Northumbria University	2	28	31	1	Manual
Maternal and Child Outcomes Associated with the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)	3/4/22	10/6/22	JHU EPC	3	82	82	2	Upload

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Project Title	Created Date	Published Date	Name of Organization	No. of Collaborators	No. of Extraction Forms	No. of Key Questions	No. of Studies	Method of Data Entry
Statin Use for the Primary Prevention of Cardiovascular Disease in Adults: Preventive Medication	8/3/22	10/12/22	Pacific Northwest EPC	3	65	65	6	Manual
Screening for Impaired Visual Acuity in Older Adults - 1 of 2	9/24/21	10/25/22	Pacific Northwest EPC	5	51	14	7	Manual
Screening for Glaucoma in Adults - 1 of 2	9/24/21	10/25/22	Pacific Northwest EPC	5	240	32	12	Manual
Screening for Impaired Visual Acuity in Older Adults - 2 of 2 (Diagnostic Accuracy Studies)	5/26/22	10/25/22	Pacific Northwest EPC	2	10	10	2	Manual
Screening for Glaucoma in Adults - 2 of 2 (Diagnostic Accuracy Studies)	6/14/22	10/25/22	Pacific Northwest EPC	2	61	53	2	Manual