



**Digital Commons Annual Report**  
System Library Services  
Providence  
2020

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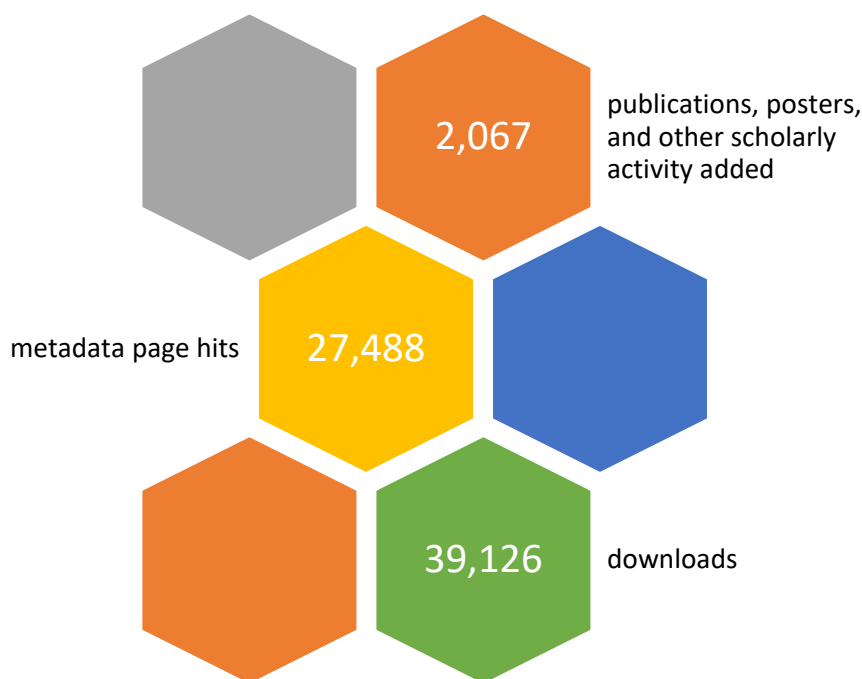
Website: <https://digitalcommons.psjhealth.org/>  
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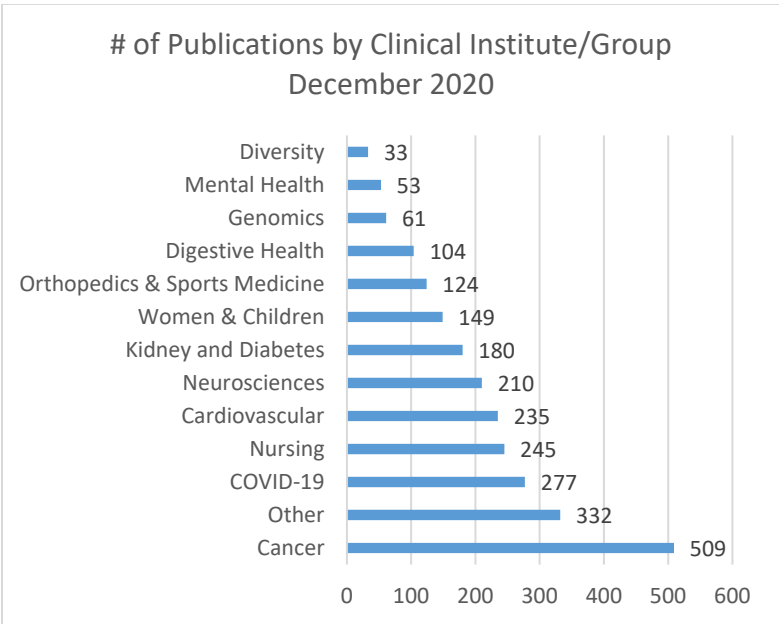
## Overview (Digital Commons and Expert Gallery Platforms)

In 2020, Providence Digital Commons maintained steady growth collecting materials and building new collections. Notably, Digital Commons has received increased global usage across 149 countries. Repository usage grew 205% from 2019-2020. 13 profiles were added to the Expert Gallery, with 1,003 metadata page hits and 5,783 downloads for Expert Gallery Suite profiles.

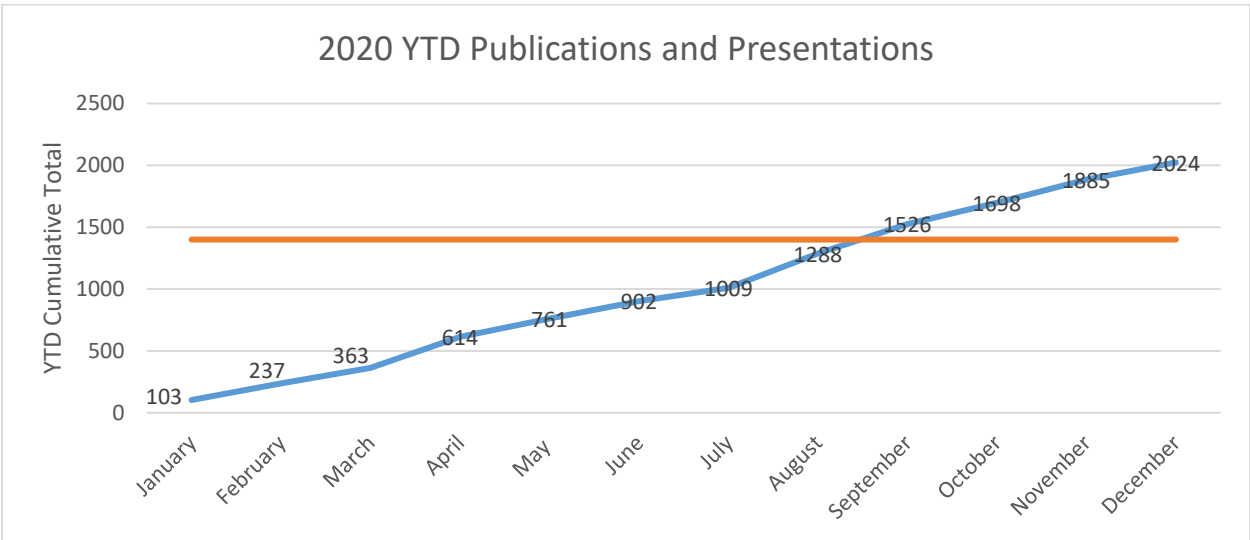


## Publications by Clinical Institute

Collected publications surpassed the year-end outstanding metric target (1,600) with a year-end total of 2,024 submissions.



2020 YTD	# of Pubs
Cancer	509
Cardiovascular	235
COVID-19	277
Digestive Health	104
Diversity	33
Genomics	61
Kidney and Diabetes	180
Mental Health	53
Neurosciences	210
Orthopedics & Sports Medicine	124
Nursing	245
Women & Children	149
Other	332



### Readership Distribution

Global readership indicates the potential reach and impact of materials held in Digital Commons. 2020 held wide-ranging distribution of readership and interaction. Institutional access, both internal at Providence and from external users, was diverse.



Repository items were accessed by readers from 149 countries around the world. Top 10 countries with interaction:

### Top 10 countries by download

- United States - 17,931
- China - 13,418
- India - 895
- Russian Federation - 804
- United Kingdom - 801
- Netherlands - 747
- Republic of Korea - 581
- Canada - 475
- Australia - 465
- Germany - 411

## Top 20 Items (Full-Text Downloads)

There was a total of 39,126 full-text downloads. These were the top 20 items by full-text downloads.

### Top 20 material downloads

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Sex-specific associations of maternal birthweight with offspring birthweight in the Omega study. - 6,911

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Digital Health Practices, Social Media Use, and Mental Well-Being Among Teens and Young Adults in the U.S. - 2,194

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Regional Stroke Program Coordinator Nurses Standardize EMS Feedback Utilizing Kurt Lewin's Change Model - 523

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Aromatherapy: Using Essential Oils to Decrease Post Operative Nausea and Vomiting in Adult Ambulatory Surgery Patients - 494

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Are Independent Double-Checks Vital Prior to Safe Subcutaneous Insulin Administration? - 455

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Cologuard: Stool DNA Testing for Colorectal Cancer Screening - 380

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Catheter-Associated Urinary Tract Infection (CAUTI) Prevention Strategy Using Education in an Intensive Care Unit (ICU) - 295

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Understanding the Transgender Patient - 278

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Projected Deaths of Despair from COVID-19 - 272

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MV-626, a potent and selective inhibitor of ENPP1 enhances STING activation and augments T-cell mediated anti-tumor activity in vivo - 262

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Temperature Management: All Shook Up! Managing Shivering In Normothermia - 239

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Oregon region standard stroke neurological assessment utilizing AACN synergy model - 222

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CDC Wound Classification: Accuracy equals determination of Surgical Site Infection (SSI) - 200

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Climate Change, Climate Justice, and a Call for Action - 187

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Manual Scalp Cooling in Early Stage Breast Cancer: Value of Caretaker Training and Patient-Reported Experience to Optimize Efficacy and Patient Selection - 182

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Nursing Care Plan for Hypertension - 180

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Solving the Sepsis Puzzle: Every Minute Counts - 168

---

Fast and Furious: Stroke Update 2019 - 167

---

Pain in the Nation: The Drug, Alcohol and Suicide Crises and the Need for a National Resilience Strategy - 154

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Heart Failure (HF) Nurse Navigator Program Interventions Decrease HF Readmission Rates - 154

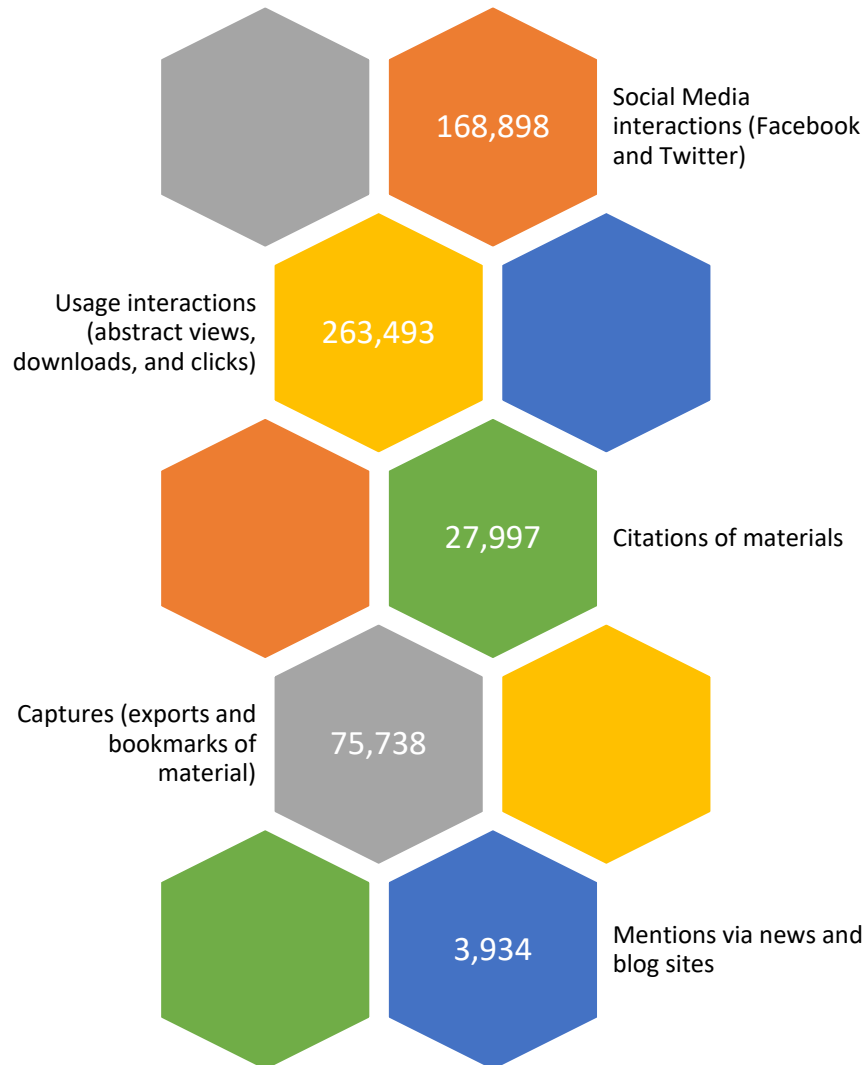
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High Reliability + Value Improvement = Learning Organization - 153

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## PlumX

Digital Commons includes PlumX Metrics\*, which allows us to see how users interact with our research items. PlumX collects internal and external data, to display how wide-reaching our research materials are.



The top two articles with the most active social media presence were:

- *Remdesivir for the Treatment of COVID-19 — Final Report* (pictured below), authors included are Henry Arguinchona (ACTT-1 Study Group Member) and Christa Arguinchona (ACTT-1 Study Group Member), both from Providence Sacred Heart Medical Center, Spokane, WA
- *First Case of 2019 Novel Coronavirus in the United States*, authors included are Keith Ericson, Sara Wilkerson, Ahmet Tural, and George Diaz, all from Providence Regional Medical Center, Everett, WA

Remdesivir for the treatment of COVID-19 — Final report

Citation Data: New England Journal of Medicine, ISSN: 1533-4406, Vol: 383, Issue: 19, Page: 1813-1826  
Publication Year: 2020

975 Citations | 456 Usage | 11 Captures | 877 Mentions | 28,618 Social Media

**Metrics Details**

**CITATIONS** 975

- Citation Indexes 972
- Scopus 972
- CrossRef 574
- Clinical Citations 3
- PubMed Guidelines 3

**USAGE** 456

- Abstract Views 413
- Digital Commons 297
- Digital Commons 84
- Digital Commons 32
- Downloads 43
- Digital Commons 43

**CAPTURES** 11

- Readers 11
- Mendeley 11

**MENTIONS** 877

- News Mentions 794
- News 794
- Blog Mentions 82
- Blog 82
- Q&A Site Mentions 1
- Stack Exchange 1

**SOCIAL MEDIA** 28,618

- Shares, Likes & Comments 15,872
- Facebook 15,872

**Most Recent Tweet**

Dr. Abhishek Gohel @abgohel

Replying to @abgohel and @amitsurg

The primary outcomes must be clinical endpoints in a hospital setting like this: something that cannot be gamed.

[nejm.org/doi/full/10.10...](https://nejm.org/doi/full/10.10...)

The primary outcome was the time to recovery, defined as the first day, during the 28 days after enrollment, on which a patient met the criteria for category 1, 2, or 3 on the eight-category ordinal scale. The categories are as follows: 1, not hospitalized and no limitations of activities; 2, not hospitalized, with limitation of activities, home oxygen requirement, or both; 3, hospitalized, not requiring supplemental oxygen and no longer requiring ongoing medical care (used if hospitalization was extended for infection-control or other nonmedical reasons); 4, hospitalized, not requiring supplemental oxygen but requiring ongoing medical care (related to Covid-19 or to other medical conditions); 5, hospitalized, requiring any supplemental oxygen; 6, hospitalized, requiring noninvasive ventilation or use of high-flow oxygen devices; 7, hospitalized, receiv-

**Article Description**

**BACKGROUND** Although several therapeutic agents have been evaluated for the treatment of coronavirus disease 2019 (Covid-19), no antiviral agents have yet been shown to be efficacious. **METHODS** We conducted a double-blind, randomized, placebo-controlled trial of intravenous remdesivir in adults who were hospitalized with Covid-19 and had evidence of lower respiratory tract infection. Patients were randomly assigned to receive either remdesivir (200 mg loading dose on day 1, followed by 100 mg daily for up to 9 additional days) or placebo for up to 10 days. The primary outcome was the time to recovery, defined by either discharge from the hospital or hospitalization for infection-control purposes only. **RESULTS** A total of 1062 patients underwent randomization (with 541 assigned to remdesivir and 521 to placebo). Those who received remdesivir had a median recovery time of 10 days (95% confidence interval [CI], 9 to 11), compared with 15 days (95% CI, 13 to 18) among those who received placebo.

**Bibliographic Details**

PMID: 32445440  
DOI: 10.1056/nejmoa2007764  
DOI: 10.3410/E737996445.793581312  
DOI: 10.3410/E737996445.793581312  
CLINICALTRIALS.GOV IDENTIFIER: NCT04280705  
REPOSITORY URL: <https://digitalcommons.psjhealth.org/publications/3120>  
<https://escholarship.umassmed.edu/covid19/40>  
<https://digitalcommons.psjhealth.org/publications/3612>

**AUTHORS:** Beigel, John H; Tomashek, Kay M; Dodd, Lori E; Mehta, Aneesh K; Zingman, S; C; Hohmann, Elizabeth; Chu, Helen Y; Luetkemeyer, Anissa; Kline, Susan; Liang, M

Provide Feedback

Have ideas for a new metric? Would you like to see something else here? Let us know

Title	USAGE	CITATIONS	CAPTURES	MENTIONS	SOCIAL MEDIA
Remdesivir for the Treatment of COVID-19 - Final Report	394	797	10	863	28,738
First Case of 2019 Novel Coronavirus in the United States	250	1,928	32	610	23,637
Sodium-Glucose Cotransporter 2 Inhibition and Diabetic Kidney Disease.	203	31	7	0	11,625
A History of Orthognathic Surgery in North America.	72	7	66	0	11,542
A prospective trial of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor: Results at the 2-year follow-up.	69	53	87	1	11,329
Utilization of the validated Psoriasis Epidemiology Screening Tool (PEST) to identify signs and symptoms of psoriatic arthritis among those with psoriasis: a cross-sectional analysis from the US-based Corrona Psoriasis Registry.	48	5	30	0	11,321
PTMProphet: Fast and Accurate Mass Modification Localization for the Trans-Proteomic Pipeline.	2	8	35	0	6,433
Covid-19 in Critically Ill Patients in the Seattle Region - A Case Series	27	708	1,703	216	3,633
An Integrated Understanding of the Rapid Metabolic Benefits of a Carbohydrate-Restricted Diet on Hepatic Steatosis in Humans.	289	105	13	11	2,783
Climate Crisis or Opportunity? Nursing Actions for a Healthy Future.	19	0	0	11	2,542

\*PlumX Metrics only collects all time data, and does not filter metrics by timeframe. All data listed is all time data since the establishment of the Providence Digital Commons (2018-current).

## Expert Gallery

Thirteen profiles were added to Expert Gallery. There is continued representation from all Clinical Institute areas. Profiles were created for caregivers in Nursing, System Library Services, CARDS, CORE, and Swedish.

The approach has been that Library staff create profiles, which are then reviewed by the Expert or their staff. Profiles created in 2020 included uploaded CVs, selected showcasing of caregiver experience and research involvement. If an Expert would like a more robust profile, they are invited to take ownership and add to the initial profile themselves or with their staff. In the future, Expert Gallery will push for more profiles built, and updating profiles on a quarterly or bi-annual basis, as staffing and work flow capacity allows. 2021 looks forward to potential partnering with other departments and administration to simplify and expedite workflow.

## Noteworthy Projects

In the unprecedented times of the Coronavirus (COVID-19) Pandemic, Digital Commons became an essential online tool for managing research, showcasing materials for department and system conferences, and collecting and tracking Providence research relevant to the COVID-19 pandemic.

2020 maintained monthly collection and uploads of materials into Digital Commons, surpassing the 2020 Strategic Plan Publishing metric, with a reported 2,024 submissions (surpassing the Outstanding Goal of 1,400). The Digital Commons Dashboard integrated with PlumX; the Dashboard was used in multiple meetings as leverage to track Providence research and employ the tool for events such as Magnet designation, departmental report-outs, and marketing to stoke excitement in the platform.

- Using outreach and collaboration with multiple departments and institutes system-wide, Digital Commons completed builds for 13 special and ongoing collections:
  - Technology Transfer (Patents)
  - St. Patrick Hospital Archives
  - Oregon Academic Achievement Day
  - Environmental Stewardship
  - Coronavirus (COVID-19)
  - Diversity and Inclusion
  - Nursing Summit (2020 conference)
  - Swedish Thoracic Surgery
  - Swedish Digestive Health
  - CARDS
  - Providence Genomics
  - Providence St. Joseph Health SoCal Regional Research Day: Year of the Nurse: Clinical Scholarship Presentations



- St. Joseph Hospital 2020 EBP Conference
- Digital Commons maintained existing and created new partnerships with continued outreach and participation in research councils system-wide.
- Outreach also resulted in the creation of 13 Expert Galley Profiles added in 2020. Expert Gallery outreach was made to an additional 34 caregivers; interest and engagement was high but follow-through for submitting materials low. Focus for 2021 will look towards how to encourage follow through and inviting more profile builds.
- In addition to growing the visibility of Digital Commons through outreach and promoting special, tailored collections, two materials on Providence Digital Commons were published and presented:
  - [\*Beyond the Buy-in: One Year after Building an Institutional Repository\*](#) Amanda Schwartz, System Library Services, Missoula, MT
  - [\*Virtual Resident Showcase: Leveraging an Institutional Repository During COVID-19 Social Distancing\*](#) Heather J Martin, System Library Services, Astoria, OR and Amanda Schwartz, System Library Services, Missoula, MT
- Digital Commons conducted additional outreach to Nursing Research, encouraging participants of the Nursing Research Council(s) to submit scholarly activity. This was very well received and supported.

## Internal Presentations and External Conferences

Digital Commons gave 34 internal presentations and conversations. Organizations reached were:

- Research administration
- Nursing Research Leadership Council; multiple regional nursing research teams
- The Learning Center, System Library Services
- Hear Me Now team
- Multiple teams at Swedish
- CARDS
- Oregon Academic Achievement coordinators

## Looking Ahead to 2021

Goals for 2021 include:

- Continue to add new Expert Gallery Profiles and collaborate with departments to leverage interest and follow through with profile builds
- Collaborate with CORE/HUB team(s) to work on possible regional/location based collections
- Collaborate with Swedish Heart and Vascular Institute, Swedish Cancer Institute, and Swedish Neuroscience Institute to create EGP profiles and potential DC collections
- Maintain 2021 collections for conference collections created in 2020