

Flying Without a Text: Using Open Educational Resources, **E-books, and LibGuides for Nursing Education**

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Introduction

Open Educational Resources (OERs)

- Public domain materials free to use, copy, adapt, and reshare¹
- Early research indicates that students in courses that use OERs perform better than students in classes who must purchase textbooks²

NYS SUNY OER Funding Initiative

- . SUNY received \$4 million (FY 2017-2018) from the state³
- . Faculty incentives to encourage the use of open educational resources (OERs) in lieu of required textbook purchases
- Providing awards to faculty who create new OERs or adopt existing OERs, in lieu of requiring student textbook purchases
- Help reduce the financial burden of public university students

OER Initiative at Stony Brook University

- SBU Libraries administers and promotes the program for the university
- Graduate nursing faculty at Stony Brook University expressed an early interest
- Two DNP faculty meetings with nursing liaison librarian and the Associate Dean for Library Technology, Discovery, and Digital Services (April 2018)

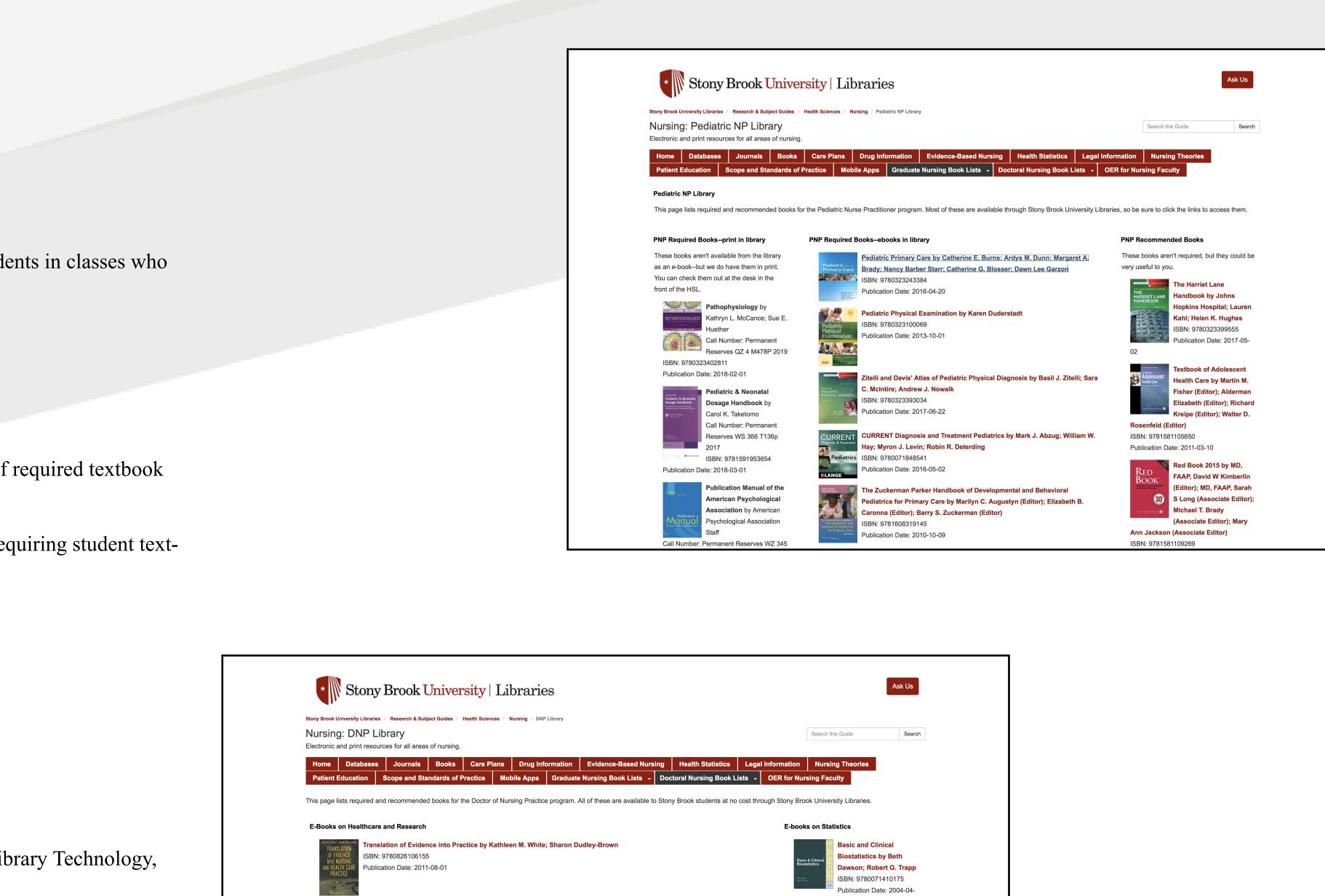
Methods

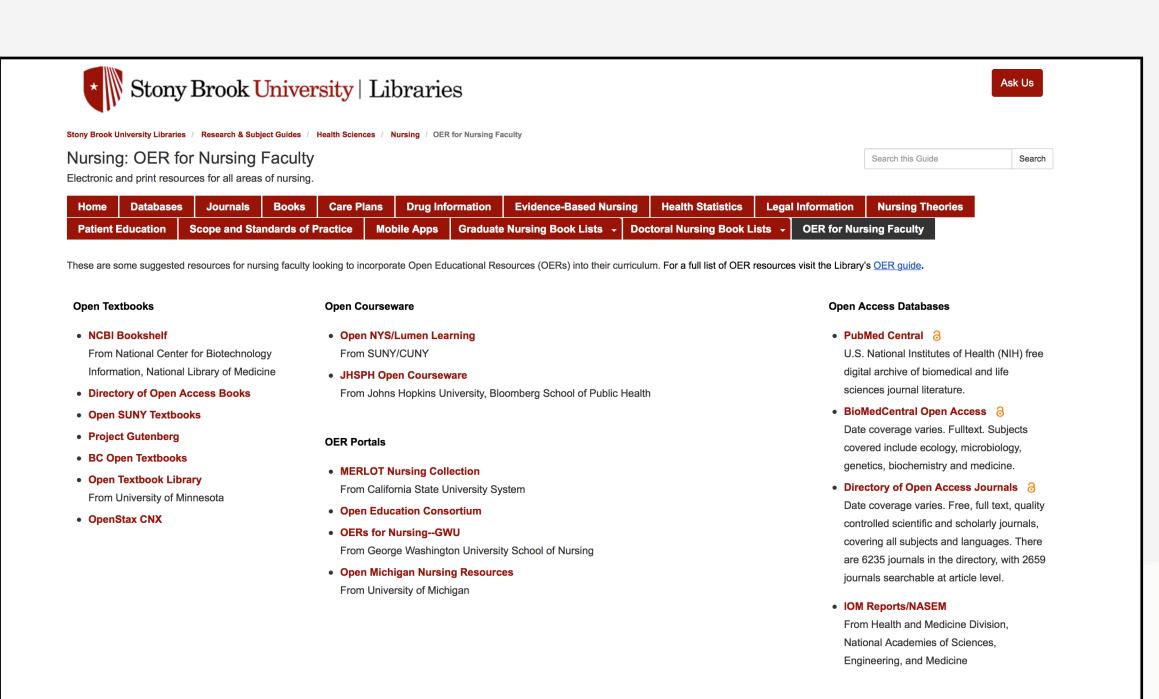
Pilot Collaboration

- Nursing librarian worked with faculty members from two programs:
 - Doctor of Nursing Practice (DNP)
 - Pediatric Nurse Practitioner (PNP)
- Creation of "libraries" within the existing Nursing LibGuide
- Dedicated page to required and recommended materials for program
- Authenticated links to library resources
- Links to OERs and other non-library resources (e.g. apps)
- "Library" URL could be embedded in Blackboard and be used on syllabus in lieu of book listing

Continued Collaboration

- Librarian introduced concept to all faculty at SON meeting (May 2018)
- Creation of LibGuide page on OERs for nursing
 - Adaptation of SBU Libraries' OER guide
- Subsequent creation of "libraries" for Psychiatric/Mental Health NP, Family NP, and Midwifery programs, per faculty interest
- Meeting with undergraduate nursing faculty to discuss possible integration of OER material into curriculum
- Meetings laid the groundwork for the pilot collaboration





📲 Medical Epidemiology by Raymond S. Greenberg; Stephen R. Daniels; W. Dana Flanders; John William Eley; John Boring

Understanding Clinical Research by Robert A. Harrington; Renato D. Lopes

ical and Translational Science by David Robertson (Editor); Gordon H. Williams (Editor)

Genomic and Precision Medicine by Geoffrey S. Ginsburg (Editor); Huntington F. Willard (Editor)

Building and Sustaining a Hospital-Based Nursing Research Program by Albert Nancy (Editor)

ISBN: 9780071822725

SBN: 9780128021019

SBN: 9780128006818

ISBN: 9780826128140

ublication Date: 2016-12-20

Publication Date: 2016-12-22

ISBN: 9780071740700 Publication Date: 2013-06-11

ublication Date: 2015-05-08





Videos, Apps, and Other Links for Midwifery

- **Bates Visual Guide to Physical Examination** Features more than 8 hours of video content to visually llustrates head-to-toe and systems-based physical examination techniques for use by students and faculty in medical, nursing, and related programs. The videos are meant to compliment the Bates textbook. Also includes OSCE clinical skills videos.
- Merck Manual: Evaluation and Care of the Norma Neonate
- AAFP: A Comprehensive Newborn Examination: Part General, Head and Neck, Cardiopulmonary
- AAFP: A Comprehensive Newborn Examination Part
- Skin, Trunk, Extremities, Neurologic • U.S. Preventative Taks Force: Published
- Recommendations
- Drugs and Lactation Database (LactMed) The LactMed® database contains information on drugs and other chemicals to which breastfeeding mothers may be exposed. It includes information on the levels of such substances in breast milk and infant blood, and the possible adverse effects in the nursing infant. (From National Library of Medicine)
- ASCCP Guidelines App
- CDC Apps
- Apps for STD Treatment Guide, Vaccine Schedule, and Contraception US MEC Criteria 2010
- MenoPro App (NAMS) NPWH Well Woman Visit Mobile App
- ePPS App
- LactMed Ap

Results

- Graduate program faculty were mainly interested in selecting e-books that were available through the health science library as substitutes for existing textbooks
- Undergraduate faculty were more interested in retaining the core textbooks but supplementing them through the use of select OERs and some library materials
- Light usage of OER for Nursing Faculty page (88 views April—September 2018)
- Initial reactions from faculty and students were favorable as determined by the librarian during instruction sessions and from nursing faculty
- . 33.4 % increase in Nursing LibGuide use over previous year • 11073 clicks in 2018 vs 8300 in 2017
- 4 of ten most accessed tabs are program libraries • Pediatric = 3rd most used, DNP = 6th, Family = 9th, Psychiatric = 10th
- 6 of ten most accessed resources are e-books from program libraries

1 CINAHL Plus with Full Text 2 PubMed + Full-text **3 Pediatric Primary Care 4 Pediatric Physical Examina 5 Family Practice Guideline** 6 The Zuckerman Parker Handbook of Developmental and Behavioral Pediatrics for Primary Care **7** Nursing Reference Center Plus 8 UpToDate 9 Zitelli and Davis' Atlas of Pediatric Physical Diagnosis 10 Physical Assessment of the Newborn : A Comprehensive Approach to the Art of Physical Examination

Challenges

- Limited number of nursing OERs available • Most available OERs designed for undergraduate nursing courses • OER adoption by NP faculty has been minimal
- - Literature Reviews for Education and Nursing Graduate Students (DNP)
 - Various government apps and websites (Psychiatric NP, Midwifery, Neonatal NP)
- Limited number of concurrent licenses for certain subscription titles
- Turnaways a possibility for sizeable classes
- one text

Conclusion

- an deeper within the curriculum.
- ulty will express interest
- Using research guides to provide links to library materials helps facilitate usage of these materials, making it more likely students will use them.
- More OERs and library materials equates to less student expense
- More OERs for nursing are needed before greater implementation can occur

References

1. United Nations Educational, Scientific and Cultural Organization (UNESCO). What are Open Educational Resources (OERs)? http://www.unesco.org/new/en/communication-and-information/ access-to-knowledge/open-educational-resources/what-are-open-educational-resources-oers/. Published 2017. Accessed August 6, 2018.

2. Colvard NB, Watson CE, Park H. The Impact of Open Educational Resources on Various Student Success Metrics. Int J Teach Learn High Educ. 2018;30(2):262-276. 3. Open SUNY Textbooks. NYS SUNY OER Funding Initiative. Open SUNY Textbooks OER Services. https://textbooks.opensuny.org/nysoer/. Accessed July 13, 2018.

• Propose alternate titles or recommend extended time if there is a required activity/reading in

• Librarian expertise on OERs and library resources fosters collaboration that can help embed the librari-

• One or two departmental allies are needed to get the program started, but as word spreads other fac-