



# **SOCIETY OF BEDSIDE MEDICINE**



## **Annual Report 2022**

## Table of Contents

<b>INTRODUCTION</b>	<b>4</b>
<b>MISSION AND VISION</b>	<b>4</b>
<b>BOARD MEMBERS</b>	<b>4</b>
<b>MEMBERSHIP</b>	<b>4</b>
<b>INSTITUTIONAL MEMBERS</b>	<b>5</b>
<b>INDIVIDUAL MEMBERS</b>	<b>5</b>
<b>PROFESSIONAL SPECIALTIES REPRESENTED AMONG SBM MEMBERS</b>	<b>5</b>
<b>MEMBERSHIP BY MONTH IN 2022</b>	<b>6</b>
<b>RESOURCES</b>	<b>6</b>
<b>THE 5 MINUTE MOMENT (5M2)</b>	<b>6</b>
<b>THE 10 MINUTE MOMENT (10M2)</b>	<b>7</b>
<b>MURMURS OF THE MONTH</b>	<b>7</b>
<b>SOCIAL MEDIA</b>	<b>7</b>
<b>COALITION TO IMPROVE DIAGNOSIS</b>	<b>7</b>
<b>THE GRADUATE MEDICAL EDUCATION LABORATORY (GEL)</b>	<b>7</b>
<b>NON-PROFIT STATUS</b>	<b>9</b>
<b>PRESENTATIONS AT REGIONAL AND NATIONAL MEETINGS</b>	<b>9</b>
• <b>AMERICAN COLLEGE OF PHYSICIANS (ACP) ANNUAL MEETING, CHICAGO, IL – APRIL 28-20, 2022</b>	<b>9</b>
• <b>CLINICAL SKILLS WORKSHOP, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD -JULY 21-22,2022</b>	<b>9</b>
• <b>7<sup>TH</sup> ANNUAL STANFORD 25 BEDSIDE MEDICINE SKILLS SYMPOSIUM -- SEPTEMBER 29-OCTOBER 1,2022</b>	<b>9</b>
• <b>ST. PETERS-ROYAL COLLEGE OF PHYSICIANS CLINICAL SKILLS WORKSHOP-- OCTOBER 17-18, 2022</b>	<b>9</b>
<b>MARGARET ROCK MEMORIAL AWARD</b>	<b>9</b>
<b>PUBLICATIONS</b>	<b>10</b>
<b>FINANCIAL REPORT</b>	<b>10</b>
<b>GOALS FOR 2022-2023</b>	<b>10</b>
<b>EDUCATION</b>	<b>10</b>

**INNOVATION  
RESEARCH**

**11  
11**

## Introduction

The Society of Bedside Medicine is a global community of physician educators dedicated to bedside teaching and improving physical examination and diagnostic skills. The purpose of the Society of Bedside Medicine is to foster a culture of bedside medicine through deliberate practice and teaching, and by encouraging innovation in education and research on the role of the clinical encounter in 21st century medicine.

## Mission and Vision

The bedside encounter between a patient and physician is central to the practice of medicine. Its role is foundational to accurate diagnosis and high-quality patient-centered care. The bedside encounter provides the basis for trust and healing for the patient but is also an important source of fulfillment and satisfaction for the physician. The Society for Bedside Medicine was formed by a global community of physician educators dedicated to bedside teaching and improving bedside diagnostic skill. The purpose of the society is to foster a culture of bedside medicine through deliberate practice and teaching at the bedside, and by encouraging innovation in education and research on the role of the clinical encounter in 21st century medicine.

## Board Members

We currently have 14 board members and 3 Advisory Council Members.

Maja Artandi	Co-President
Stephen Russell	Co- President
Timothy Niessen	Treasurer
Brian Garibaldi	Director of Fellowship Program
John Kugler	Founding Board Member
Errol Ozdalga	Director of Communications
Lars Osterberg	Secretary
Sonoo Thadaney	Founding Board Member
Junaid Zaman	Director of Research
Nayan Kothari	Board Member
Sharon Onguti	Founding Board Member
KeAndrea Titer	Board Member
Janet Record	Board Member
Kerri Baker	Board Member
Abraham Verghese	Advisory Council
Andrew Elder	Advisory Council
Stephen McGee	Advisory Council

**Table 1. Board and Advisory Council Members**

## Membership

In 2022, the Society of Bedside Medicine offered 2 different membership options: institutional and individual. During the Annual SBM Board Meeting on September 29, 2022, the SBM Board voted unanimously to shift focus from a *member-driven* organization to a *mission-driven* organization. This change will continue to allow like-minded clinicians to join the Society, supporting its mission and vision. It will also allow SBM educational content on the website to be *publicly available* to all who seek to improve bedside teaching and improving physical examination and diagnostic skill.

## Institutional Members

Institutional memberships presently cost \$4,000 for a two-year membership period. This institutional membership comes with 10 individual faculty memberships, as well as recognition on the Society of Bedside Medicine website. Even as the SBM voted to become more mission-driven in 2023 and beyond, the role of the institutional member will remain integral to the strength of the Society.

## Current institutional members

1. Johns Hopkins University School of Medicine [2022]
2. Johns Hopkins Bayview Medical Center [2022]
3. University of Alabama, Birmingham School of Medicine [2022]
4. Stanford University School of Medicine [2022]

## Individual Members

In 2022, individual memberships cost \$100. These memberships came with access to member-only content including a library of 5-Minute Moments, opportunities to apply for grants, opportunities to submit workshop proposals for the Stanford 25 Bedside Medicine Symposium, and the ability to submit 5-minute Moment ideas for publication on the website. As of December 31st, 2022, we have 226 individual members representing almost 150 institutions across 19 countries. The role of the paid individual membership did not change in 2022.

In 2022, medical students and graduate trainees could join at a discounted rate of \$50. Developing country membership cost was based on the World Bank Development Classification, with Band A and B countries paying the full price (\$100) while Band C and D countries paid a reduced fee (\$50).

## Professional Specialties represented among SBM Members

Anesthesia  
Cardiology  
Critical Care  
Dermatology  
Emergency Medicine  
ENT  
Family Medicine  
Gastroenterology  
Geriatrics  
Heme  
Infectious Disease  
Internal Medicine  
Nephrology  
Neurology  
Ob/Gyn  
Oncology  
Ortho

Other  
Palliative Care  
Pediatrics  
Pulmonary  
Rheumatology  
Surgery

## Membership by month in 2022



Figure 1. Membership Numbers by Month

## Resources

Society of Bedside Medicine members have access to high quality teaching and assessment resources. These include a library of Five-minute Moment (5M2) teaching vignettes, social media resources and the ability to be part of a community of medical providers who support the importance of bedside medicine in the clinical encounter.

### The 5 Minute Moment (5M2)

The Five Minute Moment (5M2) is a technique pioneered by the Stanford Medicine 25, which enables bedside educators to provide important information about physical exam techniques and findings in a memorable and engaging way. 5M2's can be five minute sessions or serve as building blocks for longer bedside encounters depending on the needs of the instructor and learners.

A 5M2 Working Group, led by co-president Stephen Russell, gives members the opportunity to contribute unique 5M2 ideas, which are then edited by the working group for publication on the Society of Bedside Medicine website. A template is available on the Society of Bedside Medicine website for submission. We currently have 19 5M2s on the website.

### The 10 Minute Moment (10M2)

The Ten Minute Moment (10M2) is a technique for assessing physical exam skills of trainees pioneered by the Society of Bedside Medicine, which enables bedside educators to provide real-time, personalized feedback about physical exam techniques. The 10M2's can be incorporated into the clinical flow for inpatient and outpatient bedside encounters depending on the needs of the instructor and learners.

A 10M2 Working Group, led by co-president Maja Artandi, created eight individual tools for assessing a resident's physical exam approach to common conditions (Abdominal Pain, CHF, Back Pain, Dizziness, Heart Murmur, Jaundice, Knee Pain, and Shoulder Pain). Each 10M2 is composed of a Faculty Development Section and a Resident Assessment Section. During 2022, video production began for modeling proper assessment technique for each of these 8 conditions, with the goal of having the videos publicly available on the website by the first quarter (Q1) of 2023.

### Murmurs of the Month

Members have access to 11 "Murmurs of the Month" cases that have been compiled and edited by University of Minnesota Cardiology fellow Juliette Power, a former chief resident at Allegheny General Hospital in Pennsylvania. The Murmur of the Month educational series is accessible and available to member on the website ([BedsideMedicine.org](http://BedsideMedicine.org)).

### Social Media

The Society of Bedside Medicine has an account on Twitter and Facebook. The Twitter followers grew from 98 followers in October 2018 to 1,259 followers in December 2022. In the fourth quarter (Q4) of 2022, the SBM Board voted to fund an update to the website ([www.BedsideMedicine.org](http://www.BedsideMedicine.org)) through Mater Design, the original creator of the website in 2017.

### Coalition To Improve Diagnosis

The Society of Bedside Medicine joined the Coalition to Improve Diagnosis in August 2018. The Coalition, formed and led by the Society to Improve Diagnosis (SIDM), increases awareness and actions that reduce diagnostic error.

### The Graduate Medical Education Laboratory (GEL)

The Society of Bedside Medicine is a proud member of the Graduate Medical Education Laboratory (GEL). GEL is a partnership with the internal medicine residency programs at The Johns Hopkins Hospital, Johns Hopkins Bayview Medical Center, Stanford University and the University of Alabama at Birmingham as well as the Human Diagnosis Project and the Society of Bedside Medicine. This group was awarded a 5-year \$1.8million grant as part of the Reimagining Residency Initiative by the American Medical Association.

The goal of the proposal is to examine the modifiable aspects of the residency training environment that impact trainee wellness and clinical skill. As part of the project, SBM faculty members helped to set up APECS clinical skills assessments at all 4 residency programs to provide real-time assessment of bedside clinical skills as well as feedback to improve resident performance. The hope is that the SBM can then expand APECS to other member institutions interested in improving trainee clinical skills.

## Gordon and Betty Moore Foundation scholarship

SBM partnered with the GBM foundation for a one year scholarship to foster clinical understanding in bedside medicine through the execution of a new project related to the clinical encounter in the time of COVID-19.

After a wide search process Caitlin Hicks MD MS (Johns Hopkins University) was awarded the scholarship. She is studying Telemedicine use among Medicare beneficiaries. Her project concluded in summer 2021. She presented her project during an SBM Board meeting.

## Gordon and Betty Moore Foundation Fellowship

After the successful completion of SBM-GBMF Scholarship, SBM-GBMF Fellowship began. The fellowship creates a community of talented clinician-educators and researchers who recognize the value of the bedside encounter in improving diagnostic accuracy and overall patient care. The program selected 2 fellows in December 2021 to begin in 2022. Each fellowship provides a \$35,000 stipend (plus an additional \$5000 for travel) to support a project at the fellow's home institution that promotes diagnostic excellence and the reduction of diagnostic error. It is expected that the majority of the budget will be used to support protected time for the fellowship. In 2022, the Year 1 Fellows began their project and the Year 2 Fellows were selected.

A nationwide request for applications resulted in 2021 resulted in 12 applications (Year 1 Fellowship) and 6 applications (Year 2 Fellowship). A committee of 8 SBM Board members evaluated application. From this list, two Year 1 Fellows were chosen (December 2021) and two Year 2 Fellows (June 2022).

## Year 1 Fellows (2021-2022)

**Anderson Marshall, MD** (University of Alabama at Birmingham) is an Internal Medicine & Pediatrics physician who will use the support from the Bedside Medicine Fellows Program to creating and implementing a POCUS curriculum as part of undergraduate medical education for students on their acting-internship. His hope is that with early education in POCUS, he can equip young trainees with another diagnostic skill to serve them at the bedside during their residency and throughout their careers.



**Megha Shankar, MD** (UC San Diego) is an Internal Medicine physician, educator, and researcher who is interested in promoting social justice with a focus on those who identify as women. Megha's Society of Bedside Medicine project involves the development, implementation, and evaluation of a reproductive justice workshop based off of the Presence 5 framework for humanism and anti-racism in medicine.

## Year 2 Fellows (2022-2023)

**Justin Choi, MD, MSc** (Weill Cornell Medical College) is an academic hospitalist and Assistant Professor of Medicine. His research project entitled "*Error recovery on the wards: focused ethnography of handoffs in new patients admitted overnight in a teaching hospital*" will evaluate how ward teams generate, identify, and correct diagnostic errors related to bedside medicine. He will use a socio-cognitive approach to understand the influence of team dynamics, team-patient interactions, and racial/ethnic diversity on the bedside diagnostic process and performance.

**Dr. Prathit Kulkarni** is Assistant Chief of Medicine at the Michael E. DeBakey Veterans Affairs Medical Center and Assistant Professor of Medicine in the Section of Infectious Diseases at Baylor College of Medicine, both in Houston, Texas. His project will attempt to understand and optimize the process of tediagnosis in the evaluation of acute medical problems via telehealth modalities. Electronic health records of telehealth encounters will be systematically evaluated to catalog tediagnostic learning opportunities, understand inequities in the delivery of telehealth and accuracy of tediagnosis, and disseminate findings to optimize the delivery of equitable and high-quality telemedicine.

## Non-Profit Status

The Society of Bedside Medicine is a 501c3 organization registered in Maryland (EIN 81-5330550) since April 2017. The board secured nonprofit liability insurance in June 2018.

## Presentations at Regional and National Meetings

The Society of Bedside Medicine proudly co-sponsored several national and international meetings over the last year including:

- American College of Physicians (ACP) Annual Meeting, Chicago, IL – April 28-20, 2022
- Clinical Skills Workshop, Johns Hopkins Hospital, Baltimore, MD -July 21-22,2022
- 7<sup>th</sup> Annual Stanford 25 Bedside Medicine Skills Symposium -- September 29-October 1,2022
- St. Peters-Royal College of Physicians Clinical Skills Workshop-- October 17-18, 2022

## Margaret Rock Memorial Award

The winner of the SBM poster session at the 7<sup>th</sup> Annual Stanford Clinical Skills Symposium received the 2022 Margaret Rock award, named in honor of a patient whose family donated in her honor to the Society of Bedside Medicine.

**Taweevat Assavapokee** from Thailand was awarded the Margaret Rock prize for best poster at the Society of Bedside Medicine annual meeting on Friday, September 30, 2022. His poster demonstrated that the presence of B lines on lung ultrasound prior to discharge in patients with congestive heart failure predicts readmission at 6 months. Dr. Assavapokee recently published these [results](#) in BMC Cardiovascular Disorders.

## Publications

SBM Board Members continued to publish papers in high profile publications in 2022.

## Financial Report

This year has continued to be a year of financial growth for the Society of Bedside Medicine and we deeply thank our individual and institutional members who have contributed to our organization's financial solvency. We have also had several generous donors who have given gifts in honor of patients who have passed away. With the funding we have received we are dedicated to using our assets to promote our mission of fostering a culture of bedside teaching through deliberate practice and teaching, and encouraging innovation in education and research on the role of the clinical encounter in 21<sup>st</sup> century medicine.

The organization began the year of 2022 with a balance of \$125,832.58 and our current net account balance was \$ 140,342.99 as of December 31, 2022. The income earned by our organization has contributed to promoting bedside teaching through the licensing of Blaufuss software that helps our individual members improve cardiac examination skills at the bedside and supporting education through funding faculty travel to teach across the country and the world.

## Goals for 2022-2023

Throughout the course of the year, we will continue to engage in the four core missions of the society: education, innovation, diversity/inclusion and research on the role of the clinical encounter in 21<sup>st</sup> century medicine.

### Education

- We will develop and administer teaching and faculty development activities on a national and international level. In addition to our annual meeting at Stanford, we will sponsor a number of educational activities such as a workshop at the national ACP meeting.
- We are in the process of developing and testing the 10 Minute Moment a unique new assessment and feedback model for the physical exam at the bedside. After validation of the 10 Minute Moment by a modified Delphi panel we will test this approach in a pilot study and then introduce this model to a wider audience.

- We are starting a collaboration with FAIMER to develop questions to assess International Medical Graduates knowledge and skills in the physical exam and interpretation of physical exam findings.

## Innovation

We will continue to partner with our institutional and individual members to create innovative content that can be used to both teach and assess bedside clinical skill. The Assessment of Physical Examination and Communication Skills (APECS) is an important component of the Graduate Medical Education Laboratory (GEL) study. This formative clinical skills assessment is an exciting way to teach fundamental bedside skill while also providing a way to gauge the “pulse” of bedside skill at a given institution. Johns Hopkins is in its third year of APECS where it has received rave reviews from both housestaff and faculty alike. UAB and Stanford started APECS in 2020 and are planning to offer many more sessions throughout 2021. We have plan to offer APECS to a wider audience in the coming years.

## Diversity/Inclusion

We will continue to focus on emphasizing diversity, equity, inclusion and racial justice in teaching and researching bedside medicine skills. In January 2021, the SBM board launched a new DEI Initiative led by Board Members: Anna Dover, Lars Osterberg, Sonoo Thadaney Israni. We hope to attract new board members from diverse ethnic and cultural backgrounds who have a passion to bring bedside medicine skills to their communities.

## Research

We hope to continue to collaborate with our institutional members to conduct research on the current state of bedside clinical skills teaching in both undergraduate and graduate medical education. We hope to build a body of evidence supporting the enduring importance of bedside clinical skills. We believe that improving bedside skill will reduce diagnostic error, decrease cost of care, and improve both patient and provider satisfaction with the clinical encounter. We are uniquely positioned as a society to conduct multi-center research projects in each of these important areas. The GBM fellowship and The GEL study are the first in what we hope will be many multi-center collaborations featuring the Society of Bedside Medicine