

Assembly on Pulmonary Rehabilitation (PR) Newsletter



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Message from the Assembly Chair

Welcome to the Pulmonary Rehabilitation Assembly’s Spring newsletter. I hope the newsletter will give you an overview of what the Assembly has been working on over the last 12 months, as well as our future plans. It goes without saying that progress would not be made if it were not for the hard work and dedication of the members who support the assembly. I would personally like to thank previous assembly chairs for their guidance and support through what has been another challenging year.

Many of you have faced the emotional and physical challenge of working on acute wards and ICU’s, whilst others have been supporting patients wards; those supporting patients with chronic respiratory disease delivering education, self-management support and advice often remotely. Many of us have faced the uncertainty and frustration of rehabilitation programmes opening and closing again. Supporting students has been equally challenging, and research activity severely compromised for many. The pandemic has raised the profile of rehabilitation, and many pulmonary rehabilitation services have adapted to deliver a programme to those with post COVID-19 symptoms. We have also seen the adoption of many novel interventions to support those with respiratory disease, implementation is often challenging and it is up to the PR community to evaluate these novel approaches to ensure we continue to provide high quality care.

This year we lost a leader in the field of PR, Claudio Donner. He was instrumental in getting PR on the world stage, and he will be hugely missed for his support and generosity to all clinicians and researchers in the field.

The Pulmonary Rehabilitation Executive Committee is keen to increase opportunities for members to be involved in the Assembly’s activities. In particular we are focused on supporting junior members and early career researchers being involved, and have worked hard this year to encourage this, particularly when opportunities to meet face to face are limited. There are many different ways to be involved, many are listed below. We would like to encourage you to attend our assembly meeting and meet the Executive Committee, we are a hugely support group of people passionate about PR. Alternatively you can contact me directly, or any of the chairs below to understand opportunities for you within our assembly.

We are excited that the ATS will be conducted in person this year in in San Francisco and look forward to meeting as many of you as possible.

The Assembly Membership Meeting, to be held on Sunday, May 15, 2022 from 5:00pm-7:00 pm. In the Moscone Building Center West Room, 3014 third Floor.

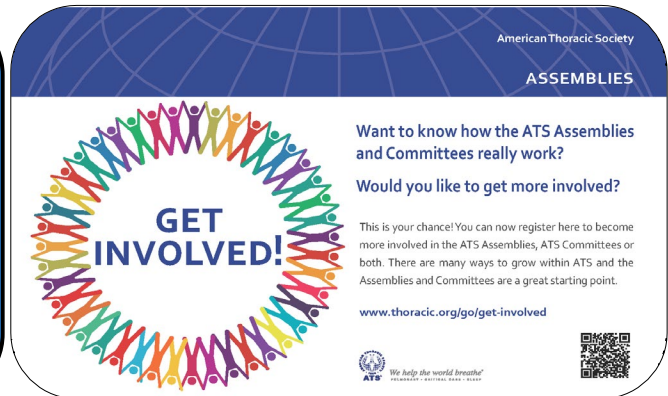
Everyone is welcome and I look forward to see you there!

Sally J. Singh, PhD
Assembly Chair

**Assembly on Pulmonary Rehabilitation (PR)
Membership Meeting**

**Sunday, May 15, 2022
5:00pm-7:00pm**

**Building: Moscone Center West
Room: 3014
Floor: Level 3**




American Thoracic Society
ASSEMBLIES


GET INVOLVED!

Want to know how the ATS Assemblies and Committees really work?
Would you like to get more involved?

This is your chance! You can now register here to become more involved in the ATS Assemblies, ATS Committees or both. There are many ways to grow within ATS and the Assemblies and Committees are a great starting point.

www.thoracic.org/go/get-involved

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PLANNING COMMITTEE REPORT

Michael Steiner, MBBS, MD, FRCP
Planning Chair

It has been another challenging year for all respiratory clinicians including the pulmonary rehabilitation community. We were unable to meet at conferences because of the pandemic but hope very much for a constructive and enjoyable meeting in San Francisco. The planning committee continues to try to support health professionals providing pulmonary rehabilitation to people with chronic lung disease during the pandemic and now as programmes open up to face to face care. Guidance for re-opening pulmonary rehabilitation programs is available on the ATS Pulmonary Rehabilitation website. The document provided practical considerations for safely providing rehabilitation during the pandemic: (<https://www.thoracic.org/members/assemblies/assemblies/pr/index.php>).

This year our Pulmonary Rehabilitation Assembly submitted two renewal applications and I am delighted to say that both were successful. The applications were:

1. **Renewal: Rehabilitation for people with respiratory disease and frailty:** an ATS workshop report. Lead, Dr. Matthew Maddocks
2. **Renewal: Pulmonary Rehabilitation:** An Official American Thoracic Society Clinical Practice Guideline. Lead, Professor Carly Rochester.

We look forward to the outcomes of these important projects.

Assembly Awards: Huge congratulations to the following 2020 Pulmonary Rehabilitation Assembly Award recipients:

- Pulmonary Rehabilitation Recognition Award: Prof Thierry Troosters
- Lifetime Achievement Award: Prof Richard Casaburi
- Mid-Career Research Achievement Award: Dr Will Man
- Early Career Research Achievement Award: Dr Heleen Demeyer

Future Plans: We encourage colleagues to submit proposals to the ATS to ensure the fine work currently underway is sustained. Please feel free to reach out to me and other members of the committee if you would like to discuss a proposal.

I would really like to thank the Committee for their wise council, hard work, support and good humour during the last 3 years.

Planning Committee Members: Jennifer Alison (Chair), Jean Bourbeau, Brian Carlin, Richard Casaburi, Rebecca Crouch, Christine Garvey, Roger Goldstein, Jose Jardim, Linda Nici, Carolyn Rochester, Rachel Tappan, Linzy Houchen-Wolloff, Thomas Cascino, Kelsey Black (Apprentice member), Narelle Cox.

Submit an Assembly/Committee Project Application for Funding in FY2023!

We are happy to announce that ATS will once again accept **NEW Assembly/Committee Projects for FY2023**. All interested applicants should begin developing their ideas for Assembly/Committee Project Applications. **Applications will be available on the ATS website at www.thoracic.org**

Please consider submitting an application for an Assembly/Committee project. If you have a suggestion for a project application and you need assistance, please contact your **Assembly Planning Committee Chair Michael Steiner, MBBS, MD, FRCP @ms346@le.ac.uk**

For questions regarding submissions please contact
Miriam Rodriguez - tel: (212) 315-8639 or email: Mrodriguez@thoracic.org.

PROGRAM COMMITTEE REPORT

Felicity Blackstock, PhD Chair & Frits Franssen, MD, PhD
Chair-Elect

ATS 2022 International Conference Assembly on Pulmonary Rehabilitation (PR) Sessions

| Session Code | Session Title | Session Type | Session Date | Session Start Time | Session End Time |
|--------------|---|---|--------------|--------------------|------------------|
| A16 | PULMONARY REHABILITATION: TRANSFORMING OUR PRACTICE IN 2022 | Mini Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| ME8 | MENTAL HEALTH IN PATIENTS WITH CHRONIC RESPIRATORY DISEASE: ASSESSMENT AND TREATMENT | Meet the Expert | 5/15/2022 | 10:45 AM | 11:45 AM |
| A87 | EMERGING PROGRAM MODELS FOR PULMONARY REHABILITATION | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| B58 | PULMONARY REHABILITATION: NEW HORIZONS | Thematic Poster Session | 5/16/2022 | 9:30 AM | 3:45 PM |
| ME22 | ADAPTING PULMONARY REHABILITATION FOR ADULTS WITH SEVERE ASTHMA | Meet the Expert | 5/16/2022 | 10:45 AM | 11:45 AM |
| B90 | FACILITATING PARTICIPATION IN PULMONARY REHABILITATION AMONG PEOPLE WITH MULTIPLE MEDICAL AND PSYCHOSOCIAL COMPLEXITIES | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| C16 | EMERGING EVIDENCE FOR REHABILITATION IN COVID-19 | Mini Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |
| C108 | THE IMPACT OF REHABILITATION ON MIND AND BODY | RAPiD: Rapid Abstract Poster Discussion Session | 5/17/2022 | 2:15 PM | 3:45 PM |
| D28 | ASSESSING THE PATHOPHYSIOLOGY AND PSYCHOLOGY OF PATIENTS FOR REHABILITATION | Poster Discussion Session | 5/18/2022 | 8:15 AM | 9:45 AM |

| ATS 2022 INTERNATIONAL CONFERENCE ADDITIONAL SESSIONS OF INTEREST | | | | | |
|--|--|----------------------|---------------------|----------------------|--------------------|
| Session Code | Session Title | Session Type | Session Date | Session Start | Session End |
| A1 | CLINICAL YEAR IN REVIEW 1 | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A11 | TACKLING HEALTH DISPARITIES: HOW DO WE TALK AND TEACH ABOUT THEM? | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A2 | JAMA AND THE NEW ENGLAND JOURNAL OF MEDICINE. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED PULMONARY RESEARCH | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A3 | FELLOWS CASE CONFERENCE | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A5 | CROSSTALK OF SENESCENT CELLS WITH THE MICROENVIRONMENT: IT TAKES TWO TO TELL A STORY | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| CC1 | CRITICAL CARE CLINICAL CORE CURRICULUM | Scientific Symposium | 5/15/2022 | 11:30 AM | 1:00 PM |
| PCC1 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/15/2022 | 12:00 PM | 1:00 PM |
| A83 | GREAT CASES: CLINICAL, RADIOLOGIC, AND PATHOLOGIC CORRELATIONS BY MASTER CLINICIANS | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A84 | THE NEW ENGLAND JOURNAL OF MEDICINE AND JAMA. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED CRITICAL CARE RESEARCH | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A85 | DEVELOPMENT AND WOUND HEALING: WHERE SENESCENCE IS THE SILVER LINING | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A90 | RECENT ATS CLINICAL PRACTICE GUIDELINES | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| B1 | CLINICAL YEAR IN REVIEW 2 | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| B12 | CLINICAL TRIALS SESSION | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| B13 | INSIGHTS INTO MECHANISMS AND FUTURE DIRECTIONS OF HIV ASSOCIATED LUNG DISEASE | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| CC2 | PULMONARY CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 11:30 AM | 1:00 PM |
| PCC2 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 12:00 PM | 1:00 PM |
| B88 | INCLUDING ALL FOR RESPIRATORY HEALTH | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| B91 | PUBLISHING THE BEST SCIENCE: THE COMPREHENSIVE SPECTRUM PROVIDED BY THE ATS FAMILY OF JOURNALS | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| CC3 | CRITICAL CARE CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| C1 | CLINICAL YEAR IN REVIEW 3 | Scientific Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |

| | | | | | |
|------|---|----------------------|-----------|----------|----------|
| C11 | USE OF NOVEL TECHNOLOGIES TO IMPROVE CLINICAL TRAINING AND ENHANCE PATIENT SAFETY | Scientific Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |
| PCC3 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/17/2022 | 12:00 PM | 1:00 PM |
| C90 | MORE THAN MAKING UP FOR LOST TIME: CAREER DEVELOPMENT AFTER COVID-19 | Scientific Symposium | 5/17/2022 | 2:15 PM | 3:45 PM |
| CC4 | PULMONARY CLINICAL CORE CURRICULUM | Scientific Symposium | 5/17/2022 | 2:15 PM | 3:45 PM |
| D1 | CLINICAL YEAR IN REVIEW 4 | Scientific Symposium | 5/18/2022 | 8:15 AM | 9:45 AM |
| D5 | THE IMPACT OF FLAVORED NICOTINE PRODUCTS: BIOLOGY, BEHAVIOR AND THE "BAN" | Scientific Symposium | 5/18/2022 | 8:15 AM | 9:45 AM |
| CC5 | SLEEP CLINICAL CORE CURRICULUM | Scientific Symposium | 5/18/2022 | 10:45 AM | 12:15 PM |
| CC6 | SLEEP CLINICAL CORE CURRICULUM | Scientific Symposium | 5/18/2022 | 12:45 PM | 2:15 PM |

WEB COMMITTEE REPORT

Alex Robert Jenkins, BS(Hons), MPhil, PhD (Web Director)

We have had a successful year with a continued high level of content output as a committee. The following link brings you to the Assembly's website where you can access content we have produced to date:

<https://www.thoracic.org/members/assemblies/assemblies/pr/index.php>

We welcome the continued submission of any content ideas as well as volunteers to partake in webinars, podcasts and/or quarterly bites to alex.jenkins@mcgill.ca.

Journal Club: Since May 2021, the Web Committee have organized eight online journal clubs (see table below). We would like to take this opportunity to highlight that our journal clubs are available to both ATS members and non-ATS members. For those who miss our Journal Club sessions, we'd like to highlight that all our journal clubs are recorded and can be accessed via the ATS PR Assembly website at any time. We'd like to take this opportunity to thank all the authors, presenters and expert panel members who have participated in our journal clubs this year. Thanks, must also go to Bridget Nance at ATS for providing technical support throughout.

| Date | Article |
|----------------|--|
| June 2021 | Chikhanie, Yara, et al. " Effectiveness of pulmonary rehabilitation in COVID-19 respiratory failure patients post-ICU. " <i>Respir Physiol Neurobiol</i> (2021). |
| September 2021 | Blervaque, Leo, et al. "Efficacy of a long-term pulmonary rehabilitation maintenance program for COPD patients in a real-life setting: a 5-year cohort study." <i>Respiratory Research</i> (2021). |
| October 2021 | Holland, Anne, et al. "Defining Modern Pulmonary Rehabilitation. An Official American Thoracic Society Workshop Report." <i>Ann Am Thorac Soc</i> (2021). |

| | |
|---------------|--|
| December 2021 | Cheng, Sonia, et al. "Six-week behaviour change intervention to reduce sedentary behaviour in people with chronic obstructive pulmonary disease: a randomised controlled trial." <i>Thorax</i> (2022). |
| February 2022 | Robinson, Stephanie, et al. "A randomised trial of a web-based physical activity self-management intervention in COPD." <i>ERJ Open</i> (2021). |
| March 2022 | Vaes, Anouk, et al. "Can do, do do" quadrants and 6-year all-cause mortality in patients with COPD." <i>Chest</i> (2022). |
| April 2022 | Latimer, Lorna, et al. "Whole-body & muscle responses to aerobic exercise training and withdrawal in ageing and COPD." <i>ERJ</i> (2021). |

Podcasts: Since May 2021, we have recorded six podcasts. They are all available to download (with the historical podcasts) from the assembly website: <https://www.thoracic.org/members/assemblies/assemblies/pr/podcasts.php>. Thank you to everyone who contributed over the past year, and to Maribel Lim at ATS Head Office for her technical support.

- **How to Talk About Breathlessness** with Professor Marie Williams and Associate Professor Kylie Johnston, University of South Australia, Australia.
- **Moving overseas for research – a senior researcher perspective** with Prof. Pierantonio Laveneziana, Pulmonologist & Professor of Respiratory Medicine, Sorbonne Université, France.
- **Inspiratory muscle training as an adjunct to Pulmonary Rehabilitation** with Dr Daniel Langer, KU Leuven, Belgium.
- **Experiences of moving overseas for research (part 1 – early career perspective)** with Dr. Hayley Lewthwaite, Lecturer, University of Newcastle, Australia.
- **Long COVID** with Eric Schierholtz (patient) and Dr Marla Beauchamp - physical therapist and assistant professor at McMaster University, Canada.
- **Pulmonary Rehabilitation for Hard to Reach Populations: Focus on Indigenous People** with Dr. Jennifer Alison and David Meharg, University of Sydney, Australia.

Quarterly Bites: We have continued the success of our quarterly bites, which capture different views about subjects of interest and highlight relevant content in both the clinical and academic settings. We have had a further five quarterly bites this year- see below. Thank you to those who have participated.

- **American Thoracic Society International Conference 2021 highlights: Pulmonary Rehabilitation and the COVID-19 Pandemic:** Dr Francois Abi-Fadel
- **Resilience in Chronic Lung Disease and Lung Transplantation:** Dr Kimia Sheikholeslami & Dr Dmitry Rozenberg
- **Advances in Pediatric Pulmonary Rehabilitation: Role and Impact in Children with Chronic Respiratory Disorders and Lung Transplantation:** Dr Stephen Kirkby & Dr Alpa Patel
- **Cardio-metabolic Risk Factors in Chronic Lung Disease and Lung Transplantation:** Dr Jeff Park & Dr Dmitry Rozenberg
- **Pulmonary Rehabilitation in the United States: December 2021 Updates on Covered Indications and Reimbursement:** Dr Francois Abi-Fadel, Mollie Corbett & Dr. Chris Garvey

Twitter: We opened our Twitter account in 2015 and now have 1,921 followers. Our twitter handle is @PR_Assembly so please do follow us if you use this platform. We tweet about @PR_Assembly activities, relevant publication updates, re-tweet all relevant PR related tweets including from individual programmes. These and other issues related to the Assembly are regularly communicated through this account. We hope to see this platform continue to develop as a means of

communication for our multi-disciplinary assembly members and patients across multiple continents.

Membership: Sadly, Dr. Claire Nolan's tenure as chair ended in May 2021 and we would like to thank Dr. Nolan for all her contributions and dedication over the past few years. Dr. Tania Janaudis-Ferreira (Canada) has stepped back from the committee for a 12 month period as part of her sabbatical. We hopefully look forward to welcoming Dr Janaudis-Ferreira back to the committee in September.

Dr. Alex Jenkins has taken over as the chair. We were delighted to welcome an apprentice to our team; Dr Hayley Lewthwaite (Australia) for a 12-month period with a view to joining the committee on a permanent basis. Welcome! We are also hoping to welcome a new apprentice to our committee for 2022.

Our enthusiastic, dedicated, international group of committee members all contribute to the activity described above. A huge thank you to you all for your efforts.

We are very grateful to all the people who have contributed helping us make a success of the ATS PR web-committee activities described above. We encourage all assembly members to be involved, but particularly want to encourage our new or more junior faculty members to volunteer – please don't wait to be asked; we are keen to hear from you. Please e-mail alex.jenkins@mcgill.ca with your ideas and/or what you would like to be involved with.

Web Committee Members: Dr. Dmitry Rozenberg (Canada), Dr. Alex Jenkins (Canada), Dr. Linzy Houchen-Wolloff (UK), Dr. Rachel Tappen (USA), Dr. Enya Daynes (UK), Dr. Francois Abi Fadel (USA), Dr. Andres Herrera Camino (USA) and Dr. Hayley Lewthwaite (Australia).



EARLY CAREER PROFESSIONALS WORKING GROUP REPORT

Sarah Roark, MD (Working Group Chair)

We have hosted several virtual "Happy Hours" including "Meet the Professor Featuring Dr. Will Man", "How to submit a great abstract" and "Apprenticeship Program Q&A" with support of the ATS. Communications of these events are sent by ATS and by the web committee on social media. Recordings of these are available on the assembly webpage.

Apprenticeship Program- PR Assembly hosted three excellent apprentices for the 2021-2022 year. Julia Maheshwair (Program Committee), Hayley Lewthwaite (Web Committee) and Kelsey Black (Planning Committee). Our apprentices had excellent experiences and enriched our committees and assembly. PR Assembly is participating in the program again for 2022-2023.

Mentor Program- Summer 2021 completed Mentor/Mentee matching. We will continue to participate in the ATS mentor program in 2022 and would encourage applications when the program opens.

The most up to date information from the ECWG is posted to Twitter under the PR Assembly. We look forward to meeting new people in San Francisco!

Members of the ECWG: Sarah Roark (chair), Ruth Barker (chair-elect), Alessandra Adami, Bryan Ross, Stephanie Robinson, Clarice Tang, Andres Herrera- Camino. Several members will be rotating off at the 2022 meeting. Please consider joining! Reach out to sarah.roark@dhha.org or ruth.barker@wessexahsn.net if interested.

Assembly Mentoring Programs' Meeting Spot

Struggling to find a quiet location to meet with your mentor? The Assembly Mentoring Programs is offering a meeting spot exclusively for mentors and mentee to meet and two receptions.

Moscone Center West

(Room: Overlook 3018, Floor: Level 3)

Sunday, May 15 – Monday, May 16, 2022, from 7 a.m. to 7 p.m.

Join us at the Mentoring Receptions:

Sunday, May 15 – Monday, May 16, 2022, from 7 p.m. to 9 p.m.

or contact Nicole Feijoo at NFeijoo@thoracic.org

US PULMONARY REHABILITATION REIMBURSEMENT WORKING GROUP REPORT

Christine Mary Garvey, FNP, MSN (Chair)

PR payment / government affairs

Medicare (CMS) published its Hospital Outpatient Prospective Payment Systems (HOPPS) final rule and Physician Fee Schedule (PFS) final rule November 2021. PR reimbursement and long term payment for virtual PR continue to be major challenges:

Discussion / action items:

1. Letter re: virtual PR coverage inequities sent to Chiquita Brooks-LaSure, Administrator, CMS regarding: discrepancy between PFS (virtual PR session delivery coverage through 2023) vs HOPPS regs (virtual PR session delivery coverage expires at end of PHE). Signed by ACC, AHA, ATS, CHEST, AACVPR, and AARC.
2. AARC and AACVPR signed on to a letter: "Establishing a Pathway for Comprehensive Telehealth Reform" (January 31, 2022) to congressional leaders requesting extension of PHE until 2024.
3. Office of Science & Technology Policy ([OSTP](#)) seeking comments re: technology e.g., how virtual care can be useful.

AACVPR PR Reimbursement Survey: Survey response 248 (of 1500 current and recent AACVPR PR and PR/CR members). Average PR charge range \$100-300 per unit (*should be at least \$400*). Subgroup call 2/23/22 re: survey findings, collaborate with AACVPR re strategies to improve provider knowledge, tools & uptake. AACVPR will be developing a comprehensive

educational program on PR billing, coding, and reimbursement, with opportunities to share information across organizations.

PR awareness social media campaign (payment, access, awareness) to coincide with National PR week March 13-19. Including social media sharing and sign on letter from like organizations. We have help from ATS PR webpage committee. Plan/action: update sign on letter and infographic for distribution via social media. Include brief findings of survival potential after PR in Fibrotic ILD. Guler S et al, Thorax 2021: International retrospective multi-center trial of PR in fibrotic ILD; n = 701: Improvement in 6MWD following outpatient and inpatient PR associated with lower HR for death or lung transplant on adjusted analysis (HR per 10m): HR 0.97, 95% CI, 0.95-1.0 p = 0.042 and HR 0.94, 95% CI, p = 0.001. Participation in $\geq 80\%$ of planned PR sessions had 33% lower risk of death (95% CI 0.49-0.92%).

Discussion re manuscript to promote PR in ILD as a priority.

Chris and Rich are in contact with Peter Lindenauer to consider mining CMS database to assess survival impact in IPF following PR. May reach out to Theresa Barnes from PFF re topic, options, possible funding for study.

Discussion review manuscript to highlight value of PR in fibrotic ILD. Following update from P Lindenauer, Chris to schedule call with Rich, Brian, Surya Bhatt, Anne Holland, others re call to discuss.

PR database: Livebetter database update completed November 2021. Ongoing update and data review in process including update of Moscovice database (possibly 2500 PR programs). CA leaders to further review and update Livebetter data sets. Chris to reach out to other state leaders to ask for help with state reviews include AL, NC, IL, ID, IA.

[Grace Anne Dorney Koppel: COPDSOS.ORG](https://www.copdsos.org) launched PSA Campaign to find the “Missing Millions” 12-15 million who have COPD but do not know it. ABC, NBC, CBS, NBC and CNN continue to run PSA's. Website acts to have visitors take a Risk Assessment Questionnaire to see if they should raise their breathing issues with their doctor and get spirometry. Over 59,000 hits; and 6,967 questionnaire completed.

OUTCOME MEASURES ADVISORY GROUP REPORT

Suzanne C. Lareau, RN, MS, ATSF, Linzy Houchen-Wolloff, PhD & Felipe Vilaça Cavallari Machado, PT (Co-Chairs)

The PRA Outcomes Group has had a change in leadership. Rachael Evans resigned with Suzanne Lareau continuing. Rachael's replacement is Linzy Houchen-Wolloff PhD from Leicester, UK. Also, enlisted to co-chair as a junior member is Felipe Machado, a doctoral student at Maastricht, Netherlands. The [outcomes reviewed](#) are described specific to their psychometric properties in patients undergoing pulmonary rehabilitation. Initially, most of the data related to COPD patients, however there is an increasing amount of data related to pulmonary rehabilitation in other conditions e. g., ILD, asthma and pulmonary hypertension.

These and other conditions will be represented. Thus far, there have been three categories of outcomes uploaded onto the PRA website: *learning*, *health related quality of life* and *field tests*. Currently, there are four more in development: *dyspnea*, *fatigue*, *depression* and *anxiety*. Following completion of the Workshop on Frailty document, we will add outcomes on *frailty* and *body composition*. It is anticipated that the outcomes in development, will be completed sometime this year.

PhD, BASIC AND TRANSLATIONAL SCIENTISTS WORKING GROUP REPORT

Alessandra Adami, PhD (Member)

Our PhD, Basic and Translational Scientists (PBTS) working group is composed of members from multiple assemblies that get together monthly to discuss issues of importance to members of ATS that are non-practicing clinicians. Because ATS is such a large organization and largely one that is clinically focused, the PTBS working group is focused on creating a smaller community structure for support, networking and advocacy to ATS leadership. The working group has two new co-chairs: Natalie Bauer, PhD, from University of South Alabama, and Rich Johnston, PhD, from West Virginia University.

The PTBS working group is currently housed within the RSF assembly despite membership being across the ATS. In the past six months, members of the PBTS subdivided in eight subcommittees focus on specific projects based on interests expressed by non-practicing clinician ATS members. Their major accomplishments and ongoing projects are:

- **SIC Liaison/Collaboration:** The PBTS WG/SIC networking event entitled “*Successful Collaborations*” was held on Tuesday, February 8, 2022 at 3:00 PM EST. Two pairs of one physician and one Ph.D. discussed the keys to successful scientific collaborations. Around 46 registrants attended the event.
- **Seminar Database:** The COVID disruption created real challenges to performing research, networking and opportunities for speaking engagements for faculty. In response to this, we created a database of researchers eager to provide seminars (virtually or in person in future) on a variety of topics. Our hope was that this database would increase opportunities for institutions to include more research-oriented seminars in their weekly offerings. As of February, 2022, the database has ~150 scientists! You can fill a lot of seminar series with that! Check out the [database](#)
- **Social Justice:** We have a subcommittee talking about ways our PTBS working group and ATS overall can better respond to issues of racism and social injustice within our society and institutions. The subcommittee received a list of former recipients of the ATS Minority Trainee Development Scholarship and is currently reviewing the list to identify Ph.D. students or post-doctoral fellows to be invited to become involved in the PBTS WG. This subcommittee plans to also reach out to LGBTQ Interest Group in the next future. We welcome you to join this ongoing conversation!
- **T32:** this subcommittee submitted a proposal to have a Workshop or Symposia in the SIC entitled “*So You Want to Write a T32?*”. Currently, the subcommittee is awaiting a decision as to whether this is approved.
- **Brochure:** to sponsor the PBTS working group and invited new member, a brochure has been prepared to be distributed during the upcoming ATS Conference in San Francisco and virtually on the ATS platform (date TBC)
- **Awards:** We are working to be sure that non-practicing clinicians are identified and nominated for many of the assembly-based and society-based awards. At this time, we are awaiting word on whether some of the subcommittee’s nominees have been selected to receive a 2022 ATS Respiratory Health Award
- **PhD in Clinical Department Survey:** We sent a survey to Pulmonary, Sleep and Pediatric Division Chiefs to gather data to better understand how PhD and non-practicing clinical faculty are hired and what barriers and opportunities may exist for strengthening engagement between researchers and clinicians. Of those asked to participate, 29 Divisions Chiefs provided feedback. These data are foundation for an ATS project proposal that aims to address this important issue. The subcommittee is working on submitting the project by end of 2022.

Third Reception for PhDs & Other Basic Science Researchers

Sunday, May 15 from 3 p.m. - 5 p.m. The reception will be held in the Science and Innovation Center (SIC) at the Moscone Convention Center (Room: 155, South, Upper Mezzanine). There will be food provided and activities during the event will include an opportunity to get to meet and network with other scientists, to engage with leaders from the ATS and assemblies and to provide feedback regarding activities or programs that ATS could offer to benefit the basic and translational science members, especially those who are not also clinicians.

Register Here: <https://conference.thoracic.org/program/events/reception-phd-other-basic-science-researchers.php>

Frailty Workshop

Matthew Maddocks, PhD (Chair)

We are progressing ok with frailty workshop. We had two online workshops on the 15th and 26th October with around 25 participants attending one or both dates. We have finalised the patient fact sheet, which will be submitted to ATS review soon. A first draft of the workshop report is being compiled and expected to be completed in April 2022. We may use the San Francisco meeting to meeting informally and finalise before submission.

The Pulmonary Rehabilitation Clinical Practice Guideline will examine 6 questions which are critical to the provision of pulmonary rehabilitation for people with chronic respiratory disease. Led by Dr Carly Rochester with co-chairs Drs Anne Holland, Jenny Alison and Brian Carlin, the guideline working group includes 23 PR assembly members from a diverse range of disciplinary backgrounds. The guideline will be complete by the end of 2022.