



ARTP

Association for
Respiratory Technology
& Physiology

ARTP

ARTP Annual Report 2022/23



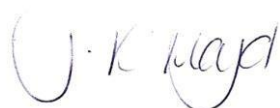
It is my pleasure to bring you the ARTP annual report for 2022/23. One of the joys of preparing the ARTP Annual Report is that it gives us an opportunity to review all that we have accomplished in the previous 12 months. This document provides a summary of the huge amount of work each of the ARTP Committees have completed over the last 12 months and the ambitious plans that each of them have for the year ahead.

Financially, the period during the Covid pandemic was very challenging for ARTP but under the careful stewardship of our Honorary Treasurer, the financial position going in to 2023 is much more positive. We continue to work with a range of professional organisations including the British Thoracic Society, the British Sleep Society and the European Respiratory Society. ARTP continues to maintain our important relationships at a national level via several NHS strategic groups and the National School.

This last year has been an important one for our Education Committee, with many courses being delivered on a face-to-face basis once more. Spirometry continues to be an area of importance for ARTP and we have supported a number of initiatives to help the re-start of spirometry in Primary Care. We have also launched the Post Graduate Diploma in Respiratory Science to provide a new route for entrants in to the profession.

I am sure you are as impressed as I am at the unstinting work that the members of the ARTP Committees continue to do. Their contribution to the continued success of ARTP and the profession cannot be overstated and it remains a real joy to work with each and every one of them. As always, over the next 12 months there will be some changes in membership of the ARTP Committees, as post holders come to the end of their terms of office. I have every confidence that the incoming Committee members will continue the excellent work of their predecessors. ARTP continue to be supported by the team at Executive Business Support and I am sure I speak on behalf of all our Committee members when I say 'thank you - we could not do this job without your support'.

I hope to see many of you at our upcoming Annual Conference in Brighton and I would like to personally thank you for your continued support of your professional body, ARTP.



Dr. Julie Lloyd
Honorary Chair, ARTP

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1.0 About the ARTP

The Association for Respiratory Technology & Physiology (ARTP), through standards of training and quality assurance, are the professional guardians of physiological measurement in respiratory and sleep medicine in the UK. With over 40 years of experience in the design and delivery of respiratory physiology services, ARTP provides the only national, professionally recognised, qualifications in Respiratory Function Testing and Spirometry in the UK.

ARTP also recommends standards for the design and delivery of respiratory physiology services through position papers from ARTP Working Groups on the structure, function and content of respiratory physiology and sleep facilities and services in the UK. An important function of the ARTP is the provision of opportunities for Continuing Professional Development. The ARTP organises an annual Conference, professional meetings and other educational courses on many respiratory and sleep physiology topics. Nationally, ARTP informs and influences major organisations about the delivery of respiratory physiology services. Furthermore, ARTP links with equivalent national organisations around the world to deliver global standards in respiratory healthcare involving respiratory technology and physiology. The Association works in conjunction with the British Thoracic Society to produce national guidelines and standards for good practice in the performance of respiratory measurement. It works closely with the Department of Health and the Academy for Healthcare Science in formulating policy and in the strategic direction of the profession.

The ARTP hosts the multi-disciplinary Sleep Apnoea Consortium and ARTP now has a membership section specifically for practitioners in sleep.

1.1 ARTP Aims & Objectives

To advance for the public benefit the service and practice of Respiratory and Sleep Physiology and allied subjects by:

- a) Delivering and promoting education and training programmes to ensure competence to practice
- b) Establishing relevant standards of practice
- c) Promoting audit and research
- d) Promoting advances in diagnosis, treatment and care of patients with respiratory and sleep diseases
- e) Communicating with all stakeholders
- f) Representing the interests of practitioners at all levels

1.2 ARTP Council

| Role | |
|---------------------------|-----------------------|
| President/Medical NED | P William Man |
| Chair | Dr Julie Lloyd |
| Vice Chair | Dr Joanna Shakespeare |
| Honorary Secretary | Sara McArthur |
| Honorary Treasurer | Mike Lang |
| Human Resources/Workforce | Ken Hutchinson |
| Financial | Mark Hubbocks |
| Patient NED | VACANT |

1.3 ARTP Executive Board

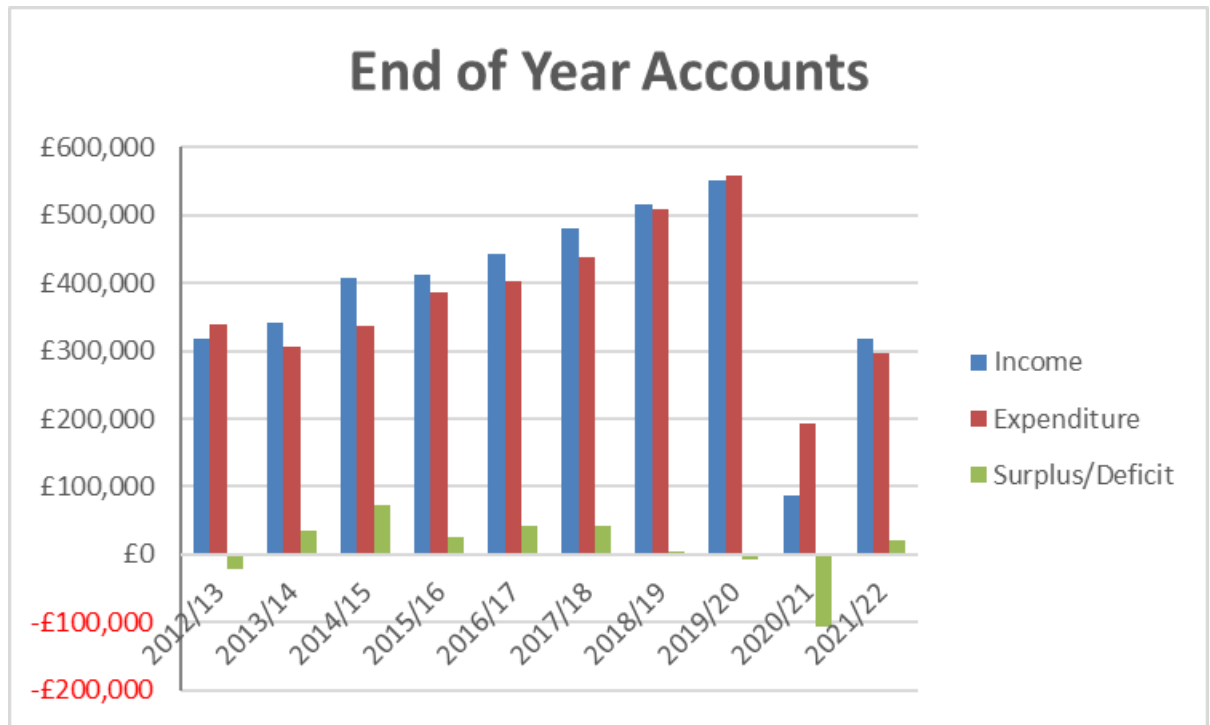
| Role | |
|--------------------|-----------------------|
| ARTP Chair | Dr Julie Lloyd |
| ARTP Vice Chair | Dr Joanna Shakespeare |
| ARTP Past Chair | Dr Karl Sylvester |
| Honorary Secretary | Sara McArthur |
| Honorary Treasurer | Mike Lang |
| Communications | Emma Ince |
| Workforce | Max Thomas |
| Standards | Matthew Rutter |
| Paediatrics | Dr Jane Kirkby |
| Education | Dr Vicky Moore |
| Events | Kelly Pauley |
| Sleep | Sara Parsons |

2.0 Finance

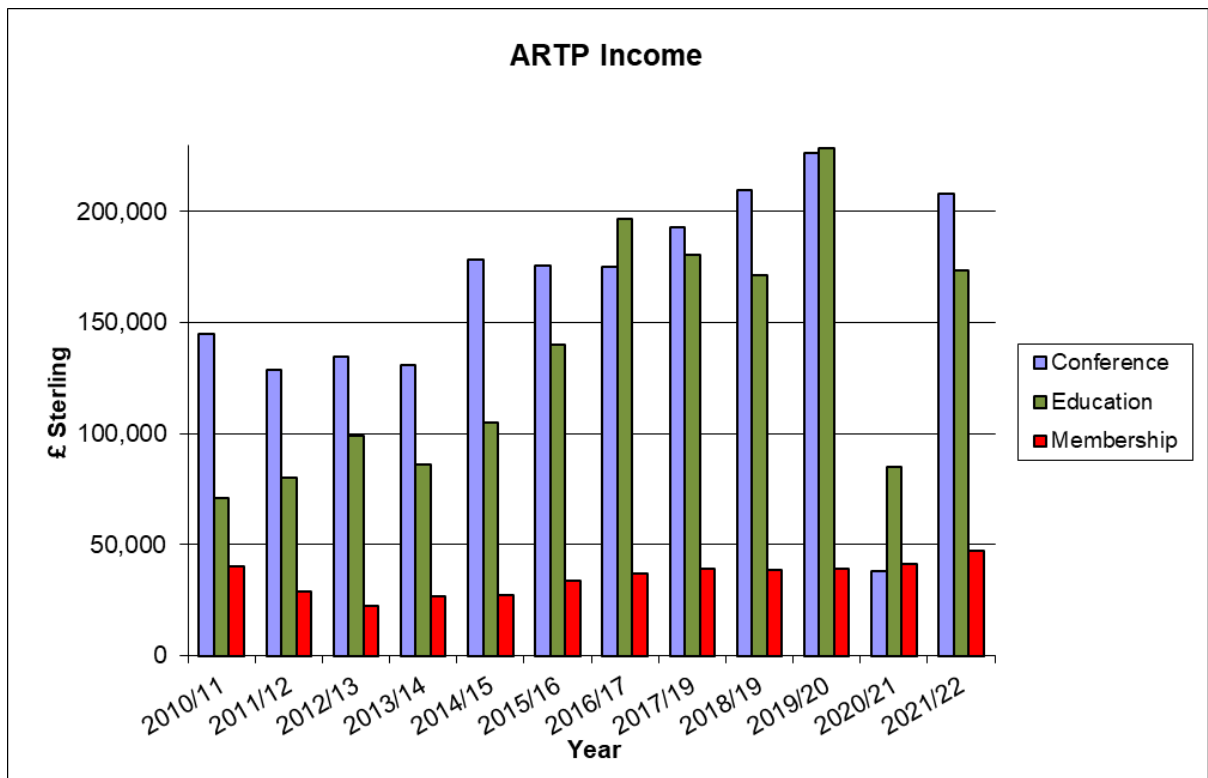
| Objectives 2021-22 | Outcome |
|--|--|
| Deficit reduction through recovery in spirometry & education programme | Partially complete – ongoing |
| Maintain financial viability, including reserves as per policy | Return to surplus achieved – reserves below policy requirement |
| Manage budget setting for ARTP Committees | Completed and on-going |
| Utilise independent financial advice to ensure that financial management & reporting is robust | Completed and on-going |
| Invest any surplus into recovering reserves from COVID-19 impact | £21k surplus towards recovery of reserves (reserve now £86k below policy requirement) |

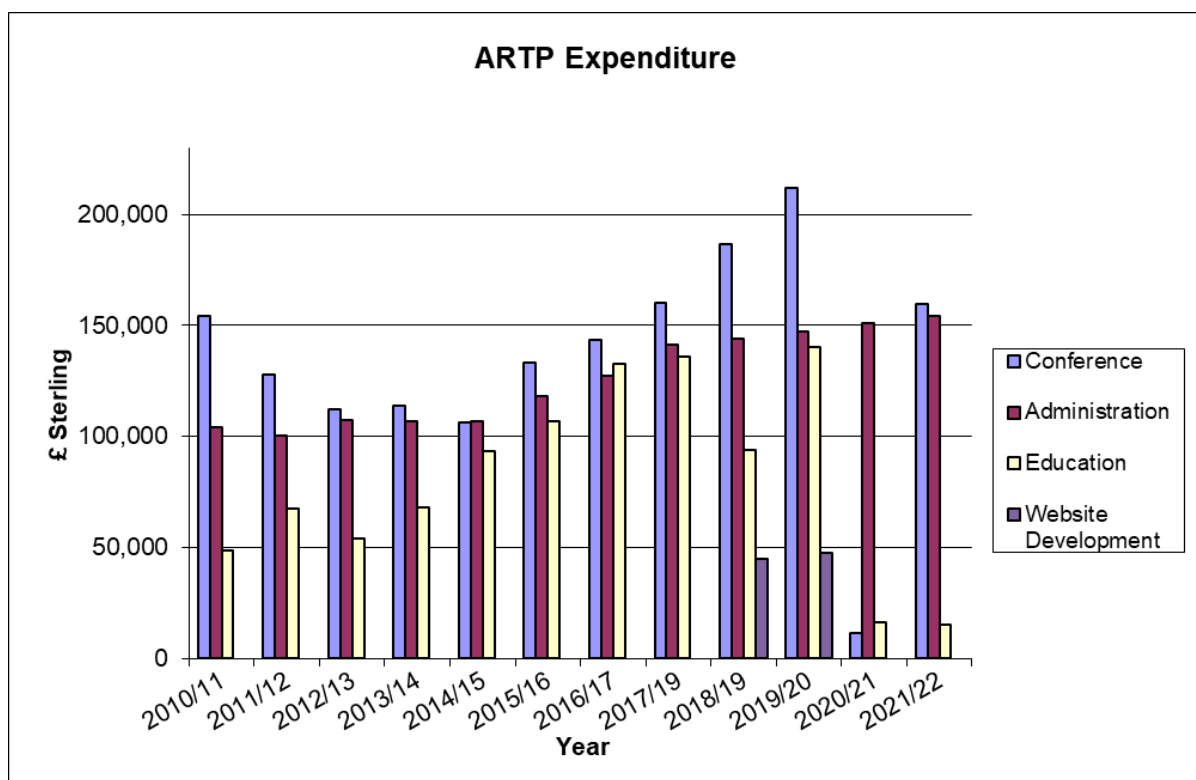
2.1 Statement of Financial Activity

| | | | | 2022 | 2021 |
|------------------------------------|--|--------------------|------------------|----------------|------------------|
| | | Unrestricted Funds | Restricted Funds | Total Funds | Total Funds |
| | | £ | £ | £ | £ |
| INCOME AND ENDOWMENTS FROM | | | | | |
| Donations and legacies | | 149,851 | | 149,851 | 48,593 |
| | | | | | |
| Charitable activities | | | | | |
| Conference and education | | 164,399 | 3,000 | 167,399 | 31,113 |
| | | | | | |
| Investment income | | 221 | - | 221 | 6,866 |
| | | | | | |
| Total | | 314,471 | 3,000 | 317,471 | 86,572 |
| | | | | | |
| EXPENDITURE FROM | | | | | |
| Charitable activities | | | | | |
| Conference and education | | 288,524 | 2,715 | 291,239 | 190,383 |
| | | | | | |
| Other | | 4,837 | | 4,837 | 3,134 |
| | | | | | |
| Total | | 293,361 | 2,715 | 296,076 | 193,517 |
| | | | | | |
| NET INCOME/(EXPENDITURE) | | 21,110 | 285 | 21,395 | (106,945) |
| | | | | | |
| RECONCILIATION OF FUNDS | | | | | |
| | | | | | |
| Total funds brought forward | | 326,951 | 5,183 | 332,134 | 439,079 |
| | | | | | |
| TOTAL FUNDS CARRIED FORWARD | | 348,061 | 5,468 | 353,529 | 332,134 |



- 2020/21 Deficit of **£106,945**
- 2021/22 Surplus of £21,395
- All accounts on ARTP website: Log onto Members Area and search “Accounts”





Note: Income & Expenditure data is from in-year Balance Sheets which may differ from final Audited Annual Accounts as income/expenditure in-year may be accounted for in previous or latter year. E.g. Conference income/expenditure may be received/spent between two financial years but will be formally accounted for within the financial year it occurs. Balance sheet data is however useful for year-to-year trend comparison.

Objectives 2022-23

Maintain financial viability

Manage budget setting for ARTP Committees

Utilise independent financial advice to ensure that financial management & reporting is robust

Review all expenditure/income streams in light of inflationary pressures

Review reserves policy target level in light of experience with COVID-19 stress test

Invest any surplus into medium term recovery of reserves from COVID-19 impact

I am pleased to report that after the very significant deficit the previous financial year, resulting from cessation of educational programmes during COVID-19, we saw a strong recovery in ARTP finances in financial year 2021-2022. This was largely as a result of significant recovery in spirometry activity. There was only partial recovery of the educational programme which accounts for overall income and expenditure activity remaining significantly below 2019-2020 levels, as illustrated in the End of Year Accounts graph and education expenditure in ARTP Expenditure Graph.

As a result of the surplus in 2021-22 we have started to recover the reserves towards the level required by the ARTP's Financial Reserves Policy (which should be equivalent to

expected annual running costs), a process that is likely to take at least another 4-5 years assuming similar surpluses to 2021-22, though the level of reserves required will be reviewed and optimised in light of the real-world stress test resulting from COVID-19 pandemic.

This financial report covers a period prior to the current high inflationary environment which we are already seeing placing significant pressures on educational course finances due in large part to increasing venue costs. This will have to be managed to ensure ARTP finances remain robust otherwise we will risk further deficits and therefore failure to keep to the reserves recovery timeline above.

3.0 Communications

COMMITTEE

| | |
|-------------------|-----------------|
| Chair | Emma Ince |
| Vice-Chair | Natalie Goodwin |

Editorial

| | |
|-----------------------|---|
| Inspire Editor | TBC |
| Inspire Deputy Editor | Christopher Warren / Vicky MacBean |
| S-News Editor | Trish Matharu Kimberley Lewis Prof. Brendan Cooper Martyn Bucknall Mark Unstead Helen Slater |

| | |
|------------------------------------|----------------------------|
| Regional Groups Coordinator | Geraldine O'Connell-Ramsay |
|------------------------------------|----------------------------|

| | |
|----------------------------|--------------|
| ARTP Brand Champion | Helen Slater |
|----------------------------|--------------|

| | |
|--------------------------|-----------------|
| Social Media Lead | Natalie Goodwin |
|--------------------------|-----------------|

Core Activities include:

- Promote the service and practice of respiratory and sleep physiology
- Production and promotion of the two ARTP periodical publications
 - Inspire journal
 - S-News newsletter
- Produce monthly newsletters that are emailed to the membership that summarise current relevant news, activities and courses
- Produce and maintain the ARTP Website
- Produce, maintain and moderate the ARTP Forums (currently 15 active)
- Moderate the ARTP social media accounts
 - Twitter
 - Facebook
 - LinkedIn
- Assist Education, Spirometry and Events teams with internet-based developments and activities
- Facilitate and support ARTP regional groups
- Liaise between the ARTP and other professional bodies
- Oversee the development of and protect the ARTP brand

| Targets from 2022 | Lead |
|--|---|
| Continue to maintain and improve the ARTP website | Emma Ince |
| Continue to deliver our high-quality publications – Inspire Journal and S-NEWS | Aidan Lavery and Trish Matharu |
| To deliver the social media plan, incorporating more interactive posts | Natalie Goodwin |
| To continue to support the growth of the regional groups, offering support to new groups and regions who are struggling to meet | Emma Ince and Geraldine O’Connell-Ramsey |

3.1 Website

In 2018 we signed a contract with Senior Internet (www.senior.co.uk) to build and implement a new website for the ARTP which would be based upon up-to-date technology, security and payment systems to keep pace with the modern internet environment. In January 2020 the website went live. The website is regularly reviewed by all ARTP committees to continually expand and improve upon the user experience, and to ensure that information is frequently updated and kept current.

3.2 General Data Protection Act

Another focus for us has been to ensure that the ARTP is compliant with the General Data Protection Act and Data Protection Act 2018. We have created and implemented many of the policies and procedures that we are required to do and in line with best practice we may ask our secretariat (Executive Business Support) to repeat an audit we originally conducted in May 2018 to assess our current position.

3.3 Regional Groups

Like ARTP Scotland, ARTP Wales has successfully been established and well done to all of those involved. The development of regional groups encapsulating these countries should enable them to focus on relevant areas specific to its NHS structure as dictated by their devolved status. The existing groups in England have been running as per usual and the feedback received from these groups continues to be valuable to the Board, especially giving voice to the local issues which can be overshadowed by national issues. There has been a significant push to ensure all regions have a regional group, with adverts being included in the conference. We are continuing to offer support to regions that do not have an active regional group.

3.4 Implementation of Digital Platform

The ARTP committees are successfully using G-Suite by Google and its tools to manage many of the ARTP’s core documents and databases. By moving them into a central online storage environment, we aim to improve our resilience to data losses and enable sharing and

editing these documents via secure platforms. The implementation of this has been effective, with all committees using the platform to easily share documents and updates.

3.5 Website Activity (www.artp.org.uk)

Period January 2022 – January 2023

The new website has been launched and with this we have seen some improvements in website traffic. It appears individuals are looking at more pages within the website. This could be due to the change in scalability of the new website allowing individuals to look at the pages on all of their devices.

| Ranking | Most Viewed Pages | Page Views |
|---------|-------------------------------|------------|
| 1 | ARTP Homepage | 32,773 |
| 2 | Spirometry Certification Page | 15,639 |
| 3 | Spirometry Guidance Page | 14,877 |
| 4 | Spirometry Overview Page | 12,473 |
| 5 | ARTP Training and Development | 10,447 |

| Ranking | Most Popular Source/Medium | Most Popular Country of Origin |
|---------|---------------------------------|--------------------------------|
| 1 | Google | United Kingdom (77.06%) |
| 2 | Direct | United States (4.92%) |
| 3 | Bing | Germany (3.48%) |
| 4 | Care Quality Commission website | India (1.63%) |
| 5 | Facebook | Ireland (1.08%) |

3.6 Social Media Activity

The growth in followers of our Twitter account continues to remain steady, with an average of 54 new followers per quarter. Content is being shared frequently and total impressions and engagements through Twitter have increased significantly. The average monthly impressions (the number of times a user is shown one of our tweets in their timeline or search results) on Twitter are 22,000.

The social media posts that gained the most engagement this year were the ‘Risk Minimisation in Spirometry Restart – Task and Finish Group’ post and the ‘Statement on Cardiopulmonary Exercise Testing 2021’ publication announcement.

Our goal for 2022-23 is to increase ARTP social media following and engagement even further with the introduction of another ARTP social media channel, LinkedIn.

| Objectives 2023 (Communications) | Lead |
|---|--|
| Continue to adapt and improve the ARTP website | Emma Ince and Natalie Goodwin |
| Continue to deliver our high-quality publications | Inspire Editor |
| To deliver the Social Media Plan 2022, incorporating interactive posts | Natalie Goodwin |
| Expanding the number of participating Regional Groups in local meetings and networks | Chair/Vice-Chair/Regional Groups Lead |

4.0 Education & Training

COMMITTEE

| | |
|-------------------|-------------------|
| Chair | Dr Vicky Moore |
| Vice-Chair | Helen Purcell |
| Secretary | Madelaine Driskel |

Edward Parkes
Dr Adrian Kendrick
Trefor Watts
Emma Munro
Karen Lewis-Jones
Kay Hughes
Emma Fettes
Samuel Wallbanks
Megan Beacham
Lauren Lear
Matthew Rutter

Examinations

| | |
|------------|----------------|
| Chair | Marie Belcher |
| Vice-Chair | Mark Unstead |
| Secretary | Shirley Coelho |

Spirometry

| | |
|------------|----------------|
| Chair | Joanna Purvis |
| Vice-Chair | Claire Francis |
| Secretary | Vacant |

Claire Fotheringham
Jane Kirkby
Lindsey Zurba
Paul Burns
Phil Lawrence

4.1 Courses 2022

Face to face courses are back! We are very pleased to say that several courses ran in 2022: Cardio Pulmonary Exercise Testing (CPET), Lung Function Interpretation, and Practical Blood Gas. The Advanced Sleep course also ran with an online format but with a live Q&A. Unfortunately the planned respiratory Muscle Function course was postponed due to train strikes. With COVID now being treated more like other respiratory illnesses, we are hoping to be back to full business in 2023.

4.2 Courses 2023

We are planning all of our usual courses again in 2023, most of which will be face to face, with some having already taken place (Masterclass and Basic Sleep). More are planned throughout the

year: CPET (2 courses), Respiratory Muscle Function, Blood Gas (2 courses), Basic Sleep, ARTP/BTS short course, Advanced Sleep, a further Masterclass, Occupational Asthma and Lung function interpretation.

The course flyer and booklet is available detailing the list of courses. For more information on upcoming courses please visit the ARTP website: <http://www.artp.org.uk/en/courses/>

4.3 ARTP Professional Examinations

Examinations ran in both April/May 2022 and October/November 2022 and were held virtually. A big thank you to all the examiners that helped ensure these ran successfully again.

This year we have had a total of 53 candidates sit the examinations in 2022 (17.8% increase from 2021) plus 27 resits. Of the new candidates only, 35 undertook the practitioner level, 9 the associate and 9 the clinical level. The pass rate for both new candidates and resits (80 candidates) in 2022 was 61% (62% in 2021).

We will be continuing to run examinations virtually again over 4 weeks in April/May 2023 and we will then be looking to do start offering examinations on a rolling basis rather than twice a year hopefully from July. We hope this will save candidates waiting for long lengths of time and allow resits to occur more quickly. We are continuing to develop the online MCQ which replaced the technical viva and the online calculations paper. The clinical viva is continuing to be performed virtually. We will not be changing this format while we concentrate on finalising making the IRCP electronic using PebblePad.

4.4 Spirometry

The ARTP Spirometry Certificate moved to the ARTP online portfolio and OSCE system in November 2020, ARTP continues to work with stakeholders to develop and improve the process.

Between 1st January and 31st December 2022, 876 candidates registered for the ARTP spirometry certificate process, 257 of which directly registered through the ARTP website, 310 through Education for Health and 309 by other providers. There are currently 706 candidates undergoing the process. Over the year, 228 candidates passed their certificate and were added to the register. Certificate renewals are continuing with 1668 candidates renewing their certificate.

OSCE, MCQ and Portfolio Assessments

ARTP have continued to successfully run OSCEs virtually throughout the pandemic which we plan to continue. These run on a rolling basis and allow candidates to sit exams without the requirement to travel. In the last year, 330 OSCEs have been performed, 450 MCQ tests sat and 665 portfolios marked. Thank you to all those who have been a part of this process.

National Spirometry Register

Our register now resides with the Academy for Healthcare Science. As of 16th February 2023, there are 2464 individuals on the ARTP Spirometry Register. 1895 have the Full certificate, 401 the foundation certificate and 168 reporting only. Of these, there are 11 registered with the full paediatric certificate and 3 with the full combined adult and paediatric certificate.

4.5 National School of Healthcare Science

In 2022 there were 12 successful STP graduates in Respiratory and Sleep. The pass rate for the OSFA's was 86%. We hope that all of the STP graduates are able to join us at conference where they will receive an ARTP certificate for completion of their OSFAs.

The intake for STP students has risen from 20 in 2021 to 22 in 2022. Thank you to all those departments training and developing the future Respiratory and Sleep Clinical Scientists. There continues to be no mock or live OSFA's scheduled for 2023, with the IIAC continuing in their place.

4.6 Tenures

Tenures for Chair, Vice Chair and Chair of Examinations are ongoing for another 1-2 years. Those in the roles continue to remain dedicated to improving education. The objectives have only slightly changed since 2021 as implementing any developments other than those mentioned above have taken longer than anticipated during the pandemic and beyond.

| Chair | Dr. Vicky Moore |
|------------------------------|------------------------|
| Vice Chair | Helen Purcell |
| Chair of Examinations | Marie Belcher |

| Objectives 2023 (Education & Training) |
|---|
| To continue to support the implementation of the quality assured spirometry programme |
| To increase the pool of MCQ questions for professional examinations and move to rolling examination dates. |
| To publish a handbook to support the professional examinations |
| To publish an update of the Spirometry handbook |

5.0 Standards

COMMITTEE

| | |
|-------------------|----------------|
| Chair | Matthew Rutter |
| Vice Chair | Dr Ian Cliff |

Dr Karl Sylvester
Dr James Stockley
Andrew Pritchard
Rasheda Choudhury
Joanna Purvis
Melanie Bryce
Max Thomas
Tracey Fleming
Jessica Swann

Key Activities

- Responding to requests for consultations on guidelines on behalf of ARTP
- Producing SOPs, guidelines and statements to enable standardisation of work practice

Committee changes

The passing of Peter Moxon has been a massive blow to the standards committee, we will miss his hard work, enthusiasm and dedication. As a result, Matthew Rutter is currently acting chair and Ian Cliff has moved into the acting vice chair role. Jane Kirby, has also stepped down from the committee as the paediatric representative and we will request if there are any individuals from paediatric colleagues who would be willing to join in her place.

Consultations

Ian Cliff for the standards committee has responded to two consultations for the BTS. The Model of Care Document for Specialised Weaning Units and the BTS Clinical statement on chronic cough in adults.

Website

The standards committee reviewed the layout and areas and have recently requested some changes. There were duplicate section names, missing links and some misnamed areas. We have also asked for the committee to have a link or section redirecting to the “who we are” section. Current layout is slightly confusing, so have requested chairs of committee put first and then other members be put in alphabetical order. In some of the other areas of the website the role names are inconsistent, it also appears confusing that chair names are seen on different committees, however we feel this is appropriate for Julie and Jo as chairs of ARTP. Some changes are possible and EBS are working through what they can change. Some changes are not possible on the current site.

5.1 Documents

When reviewing the website it was obvious that some documents were out of date. So far we have updated two, which were due for review:

- Respiratory/Sleep physiologist workforce progression SOP
- Professional Standards

A document is in development in collaboration with the Workforce committee covering CDC workforce, currently awaiting approval from workforce before being sent to board for ratification.

5.2 CPET Competency

The ARTP CPET Examinations are ready to go at Associate (performs CPET) and Practitioner (performs and reports CPET) levels. There will also be a Clinical reporting level, which can be completed as a standalone or to top up the associate to practitioner level.

We anticipate we will be open to candidate bookings from June onwards for adult patients. Still have some bits outstanding for paediatric which should follow on soon after. Work on completing the pebble pad portfolio design has started.

The process has been reviewed extensively by the Education Committee and there remain a few changes to finalise including certification renewal.

5.3 Research & Innovation Sub-Committee

| | |
|-------------------|--------------------|
| Chair | Dr James Stockley |
| Vice Chair | Dr Samantha Irving |

Liesl Carr
Dr Chris Earing
Dr Adrian Kendrick
Liam O'Reilly
Suhani Patel
Danny Pender
Matthew Rutter
Dr Karl Sylvester
Max Thomas
Ian Waller

Our committee currently comprises of 12 members, with one stepping down and two new members joining.

Our duties have not changed significantly over the last 12 months, with a major part centred around the national conference. Our committee facilitates all research aspects of the conference, including abstract reviews, planning and chairing the oral and poster research sessions, and a return to our dedicated research talk which will be around research ethics and the online

Integrated Research Application System (IRAS). We are planning on having a stand again at the conference, which we hope will be somewhat improved this year. Committee members will be available to answer questions and provide advice on a variety of research topics. We are about to advertise a competition for conference delegates to enter.

Our committee are available to support all ARTP members in any aspect of research (including the ethical approval process, grant applications, and research methodology) or, indeed, career progression. Our online “how to” have been checked and have been deemed up-to-date with the exception of the “How to Apply for REC and R&D Approval” guide, which is being updated. We are still considering an online resource that promotes all published research by ARTP members by providing an archive of web links to their work. The podcasts previously proposed have not been moved forward but may still be possible in the future. We are currently in discussion about reviving a potential ARTP Research course for which we still have a workable programme. After the conference in March, we aim to advertise to see how many ARTP members are interested and determine if the course is feasible.

5.4 Manufactures Liaison Sub-Committee

| | |
|-------------------|----------------|
| Chair | Matthew Rutter |
| Vice Chair | Vacant |

Prof Brendan Cooper
Dr Ian Cliff
Joanna Purvis
Jessica Swann
Dr Karl Sylvester

Matthew Rutter is stepping down as the manufacturer’s liaison, with Professor Brendan Cooper stepping in as interim chair. The committee will contact the membership to recruit to the roles of chair and vice chair. Dr Karl Sylvester, Jo Purvis and Jessica Swann have also joined the committee.

The committee has not been able to meet as regularly as previous years. The group have been exploring several issues. Increasing costs described by the membership were presented to the manufacturers, they felt there were a lot of external factors that were contributing to these costs. The hope is to present their perspective to the membership in a joint statement of the current issues being faced by the industry.

Discussions were had regarding how we could be a greener and sustainable profession. A suggestion was made to create a taskforce and perhaps develop a charter for ARTP to adhere to and set out as an example to follow.

Artificial Intelligence (AI) is beginning to be utilised in technologies available but at present we do not understand the role it will play in clinical measurement. A cross working group with other organisations is being considered with the goal to release a positional statement for A.I. in respiratory medicine.

The MLC along with ARTP SAC have been engaging with Philips and ResMed to hold both companies to account on the provision and support of CPAP services to ARTP members. This follows a variety of reasons that have disrupted supplies to services.

The MLC has also had discussions with Koko PFT on behalf of ARTP members following several complaints to ARTP Watchdog about services provided.

5.5 Improving Quality in Physiological Services (IQIPS)

The Standards committee is in full support of this nationally recognised accreditation scheme. There are currently six services that have IQIPS accreditation, representing an increase of one service since last year.

Congratulations to the following that have achieved or maintained their accreditation:

- University Hospitals Coventry and Warwickshire NHS Trust
- Imperial College Healthcare NHS Trust
- University Hospitals Birmingham NHS Foundation Trust
- Manchester University NHS Foundation Trust
- Great Ormond Street Hospital for Children NHS Foundation Trust
- Cambridge University Hospital NHS Foundation Trust

The Standards section of the website contains documents that are available to the membership for adaption and implementation into their service which can be linked to the specific IQIPS domains. Additional useful information can be found at Improving Quality in Physiological Services (IQIPS) <https://www.ukas.com/accreditation/standards/igips/>

Martin Allen has stepped down as the ARTP representative on the Accreditation Clinical Advisory Group (ACAG). The group is looking for a new Chair.

5.6 Other

Rasheda Choudhury (Standards) has represented the ARTP along with the Accelerated Access Collaborative (AAC), NHSE and NHS Improvement to enhance the access and uptake of FeNO, as recommended by NICE. Rasheda has been instrumental in developing an education and training package to support the measurement of FeNO.

The training package can be accessed via the Health Education England e-learning for healthcare hub:

<https://www.e-lfh.org.uk/programmes/feno-in-asthma/>

| Objectives 2023 (Standards) |
|---|
| ARTP CPET competency framework |
| To continue to support the implementation of IQIPS |
| Provision of additional CPET Special Interest Group (SIG) meetings |
| Continue to develop standard operating protocols for use by the membership |
| Provide feedback for any applicable consultation documents on behalf of the ARTP |
| Continue to have a significant profile within the ARTP website |
| Support on-going research and innovation |
| Continue to provide a link between members and manufacturers via the Manufacturers Liaison Committee (MLC) |
| Revise and update the manufacturers/industry survey |

6.0 Events

COMMITTEE

| | |
|----------------------------|-----------------------|
| Chair | Kelly Pauley |
| Vice-Chair | Laura Jess |
| Honorary Chair ARTP | Dr Julie Lloyd |
| Vice Chair ARTP | Dr Joanna Shakespeare |

Tracy Herod
Mike Lang
Karen Lewis-Jones
Alan Moore
Joanna Purvis
Matt Rutter
Dr Karl Sylvester
Dr James Stockley

6.1 Conference 2022 – Hinckley Island Hotel

The 46th ARTP annual conference took place on the 5th and 6th May 2022 at Hinckley Island Hotel and was the first face-to-face event held by the ARTP following the Covid-19 pandemic. The conference took place later in the year than previous conferences to allow services to overcome winter pressures and to maximise possible attendance. The programme consisted of 30 speakers, 4 oral presentations, 30 poster presentations, 6 sponsored workshops and an industry exhibition.

A total number of 376 people attended the conference, including 262 delegate registrations and 114 exhibitor personnel. A total number of 36 companies exhibited (including 3 charities and 1 ARTP research stand). Exhibitor support from industry and charities was well received by both delegates and exhibitors due to difficulty achieving interactions when the conference was run virtually in 2021.

Delivered by some of the leading and influential experts in their respective fields, the conference sessions were aimed at providing education and an opportunity to present scientific research. This year's keynote sessions included the PK Memorial Lecture, "Electrical Impedance Tomography of the Chest", which was delivered by Dr. João Batista Borges, and the Sleep Keynote debate, "Pulse Oximetry is No Longer Relevant for the Diagnosis of OSAHS" with Professor Jean-Louis Pépin debating for and Dr Chris Turnbull against. In addition, this year's programme highlights included an extreme physiology session "Inside the Mind of the Extreme Triathlete", delivered by Prof Greg Whyte, ARTP Patron, "The Post Covid Phenomenon: A few facts, much observation, some musing, no answers" by Dr Graham Burns, and simultaneous sessions "Paediatric Session: The Elite Child Athlete" and "Management of Complex Respiratory Failure".

The resumption of the ARTP annual conference face-to-face in 2022 was extremely well received, with an evident "buzz" from all who attended with an ability to interact and network with colleagues and industry, both professionally and socially following the Covid-19 pandemic. It is envisaged that for the foreseeable future the ARTP annual conference will continue to be held in early spring to allow services to overcome enormous winter pressures and to maximise attendance.

| Award | Winner |
|---|------------------|
| ARTP Award for Services to Respiratory Medicine 2022 | Dr Graham Burns |
| ARTP Award for Services to Respiratory and Sleep Science 2022 | Chris Bossingham |

6.2 NSD 2022 – Birmingham Hilton Metropole

The National Strategy Day 2022 took place on 2nd December 2022 at the Birmingham Hilton Metropole. The event was free to attend for all heads of departments and their nominated deputies.

The day allowed delegates to keep up-to-date with professional issues and developments in respiratory and sleep physiology, and provided an opportunity to discuss important matters and share best practice with members of the ARTP. The programme included updates on key areas affecting respiratory and sleep physiology services, including a full session around IQIPS accreditation and standards, workforce, CDC updates and equality, diversity and inclusion.

A total number of 78 registered delegates were registered to attend, plus 30 exhibitor personnel. The event was supported and sponsored by 18 industry manufacturers who provided an industry exhibition.

The relationship with industry is essential to ARTP and we have worked closely with the industry partners in planning both the National Strategy Day and ARTP annual conference. This has been well received and appreciated by our industry colleagues and ARTP will continue to work collaboratively in this manner.

Based on this interim report, overall this year's National Strategy Day was a great success, with positive feedback received. Sessions and speakers received high scores overall. The main negative to this year's National Strategy Day was a large number of registered delegates failing to attend on the day, with or without giving notice to ARTP (10 delegates gave short notice notification they were unable to attend, 12 delegates failed to attend with no notice given). It is recommended an objective for the ARTP Events committee in 2023 is to discuss and implement guidance to mitigate financial loss to ARTP associated with non-attendance of registered delegates at National Strategy Day.

| Objectives 2023 (Events) |
|---|
| Deliver a successful face to face annual conference for 2023 |
| Source appropriate venue for the 2023 National Strategy Day |
| Deliver a successful National Strategy Day 2023 |
| Source and book an appropriate venue for the ARTP conference 2024 |
| Agree and implement guidance to mitigate financial loss to ARTP associated with non-attendance at National Strategy Day |

7.0 Sleep

COMMITTEE

| | |
|--------------------------|---------------|
| Chair | Sara Parsons |
| Vice Chair | Alan Moore |
| SNews Editor | Trish Matharu |
| SNews Vice Editor | Tara Badman |

Prof. Brendan Cooper
Dr Vicky Cooper
Dr Aditi Desai
Dr Adrian Kendrick
Andrew Morley
Megan Beacham
Richard Glover
Matthew Davies
Francois Clavaud
Laura Hughes
Shirley Coelho
Emily Cannadine

SLEEP APNOEA CONSORTIUM

| | |
|-------------------|----------------------|
| Chair | Prof. Brendan Cooper |
| Vice-Chair | Dr Ian Smith |

Clinical Members

Dr Martin Allen, British Thoracic Society
Sara Parsons, ARTP Sleep Chair
Dr. Julie Lloyd, ARTP Chair
Alan Moore, ARTP
Dr Vicky Cooper, ARTP
Dr Adrian Kendrick, ARTP
Dr Aditi Desai, British Society of Dental Sleep Medicine
Dr Joerg Steier, British Sleep Society
Iain Wheatley, ARNS

Company Representatives

Drive DeVilbiss Healthcare Ltd
Fisher and Paykel Healthcare UK Ltd
Philips Home Health Care Solutions
ResMed (UK) Ltd
S-Med Ltd
Itamar Medical
Dolby Vivisol
Löwenstein Medical

7.1 New Members

We are pleased to have welcomed four new members to the Sleep Committee during 2022-2023.

7.2 Education

Courses

The sleep committee continued to provide basic and advanced sleep courses in 2022, with the delegate having access to each session electronically prior to the dedicated lunchtime Q&A sessions.

Online Sleep Course enrolment in 2022: 108

Basic: 82

Advanced: 26

The format will change this next year with planned face-to-face basic sleep course in April and the advanced sleep course for September 2023.

Certificates

Certificate enrolment has continued as we see more interest in opportunities to complete professional development.

There has been a development in two areas, a certificate of peripheral arterial tonometry (undergoing finalisations) and paediatric sleep studies. Both should be ready in 2023.

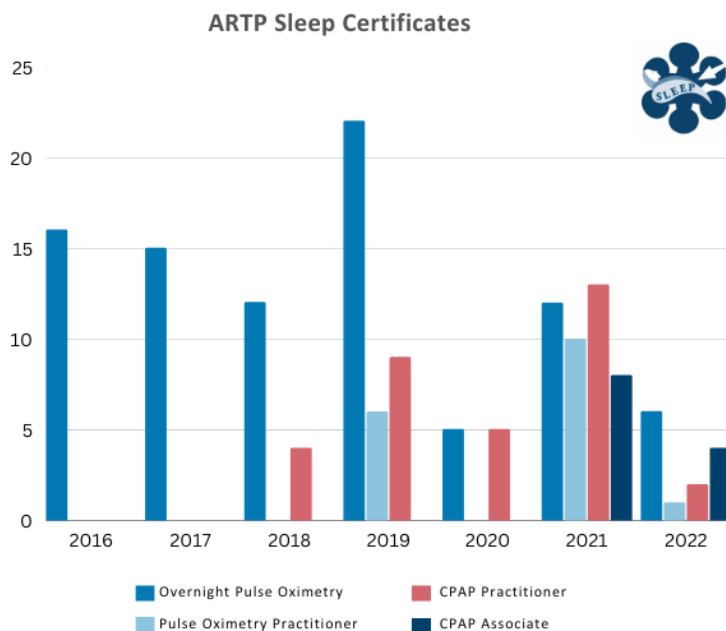


Figure 1: Enrolment numbers for ARTP Sleep certificates

National work with NSHCS

The Sleep Committee have been instrumental alongside the BSS and the NSHCS in developing national sleep course for multi-professionals to access. The development of a post-graduate sleep medicine certificate (level 7) has been completed. It has been received well so far across several universities tendering to run this new national programme. In addition, we have been involved in directly speaking to employers to highlight the benefits of this new professional qualification. The certificate will be welcoming its first intake of delegates September 2023.

Networks

Through the development of the national courses, the Sleep Committee has enjoyed working with the British Sleep Society striving for the same goal. The process of formalising our newfound relationship continues with further discussions. This is a very exciting time to be stronger in our vision of promoting, improving access and education in sleep physiology.

7.3 ERS

The Sleep Committee worked with European Respiratory Society (ERS) developing sleep physiology modules. Six out of the 8 were finished and available on the ERS website to access prior to the Covid pandemic. Unfortunately, the uptake for the modules was lower than anticipated and so this has been paused.

7.4 SNews

Trish Matharu had her first 6 months as SNEWS editor, with Tara Badman appointed deputy editor. A refreshing new look for SNEWS has been the primary focus, with a new layout and informative sleep information. We are also hoping more reader interaction, and endeavour to include what the readers want. The first issue is planned for March 2023, with a second to follow in Autumn 2023.

7.5 Standards

CPAP Certification Scheme

The global shortage of CPAP device supply has impacted on the CPAP Certification Scheme. This was to be expected. When there is a shortage of supply from the major companies, the minor 'players' in the market can sell without fear so as to speak of customers taking them to task over the certification or other of devices. That's not to say that some of these devices would fail the appropriate CPAP certification tests; we'd rather like to find out though.

Version 5.0 of the CPAP Devices (Technical and Performance) Standards was released in February 2022, so Version 6 will begin the drafting process late in 2023 to meet the 2 year revision cycle due in 2024.

Sleep Apnoea Diagnostics (Technical and Performance)

A sub-group of ARTP Sleep Apnoea Consortium ARTP (SAC) has been working hard over the past few months to produce Version 1.0 of the Sleep Apnoea Diagnostics (Technical and Performance)

Standards. Not only does this document set down technical standards for devices but it also serves notice that the document will be enhanced to include a testing and certification scheme in precisely the same way as the CPAP certification scheme. The development of an independent testing centre has been agreed. This will be based at the University of Applied Sciences in Hamburg and the programme will be led by Professor Thomas Netzel. Part of the challenge here will be to develop test rigs for the range of devices from pulse oximeters through to full polysomnography and, of course, all this work needs to be agreed to the greater extent with our industry partners in ARTP SAC.

The draft of Version 1.0 is currently out for consultation with our industry partners in ARTP SAC with first discussion being held at the ARTP SAC meeting at this 2023 conference.

Mandibular Advancement Devices (MAD)

Version 5.0 of the MAD standards is currently under review, led by Dr Aditi Desai. This revision will be out for consultation with ARTP SAC industry partners sometime in the spring and will represent significant advances and alignment with N.I.C.E. guidance.

| Objectives 2023 (Sleep) |
|---|
| Provide basic and advanced sleep courses and NIV course |
| Complete the peripheral arterial tonometry certificate |
| Develop paediatric sleep certificates |
| Review and amend the diagnostic certificates |
| Continue with supporting all certificates |
| Finalise relationship with BSS |
| Support the ARTP Sleep Apnoea Consortium work on standards and accreditation of diagnostic and therapeutic equipment |

8.0 Workforce

COMMITTEE

| | |
|-------------------|------------------|
| Chair | Max Thomas |
| Vice-Chair | Andy Stubbington |

Rosemary Fillingham
Tracey Fleming
Lauren Lear
Kelly Pauley
Sara Parsons

8.1 Workforce Activities

The Workforce Committee aims to improve access to and raise the profile of respiratory and sleep physiology. The committee has ensured an ARTP presence at conferences and professional meetings around the UK and Europe. We manned stands at the BTS, ERS, and Respiratory Professional Care meetings to raise the banner of the ARTP. At the BTS, Rosie Fillingham made a wonderful contribution to a discussion on the role of respiratory clinical scientists to the multi-disciplinary team (video available here). Members of the committee have also represented the ARTP and respiratory/sleep healthcare science at a range of public outreach events at 6th form colleges, secondary schools, and are working on a 'day in the life of an HCS' video.

The Workforce Committee's presence in national projects includes the Taskforce for Lung Health's workforce working group. This is a project with focus on all stakeholders in the respiratory workforce from service delivery to hospital care, to patients and patient advocate groups. The ARTP's contribution has led to the inclusion of this aim in the 'Workforce Influencing Plan':

500 additional training places to be made available by HEE, and delivered by the National School for Healthcare Science, to fill the current gap in the respiratory and sleep physiology/health care scientist workforce, with commissioners and providers being aware that business cases for new respiratory consultants should include the need for greater respiratory and sleep physiology/health care science workforce capacity to support them.

The workforce committee has contributed to the creation of the community diagnostic centre (CDC) workforce SOP. The independent review of NHS diagnostic services recommended the development of community diagnostic centres (CDCs) to increase diagnostic capacity in England. Physiology was identified as one of five key modalities of diagnostics, with respiratory physiology being essential for the diagnosis and management of patients with respiratory symptoms. This document provides guidance for the recruitment and training of an appropriately trained and skilled workforce of respiratory and sleep physiologists/clinical scientists to deliver respiratory/sleep diagnostics within CDCs. It aims to outline the correct level and experience of staff required to deliver the differing complexities of respiratory and sleep diagnostics expected within a CDC model and the education and training they should have either prior to employment or once established in their roles.

8.2 Membership

Figure 1 provides the current figures for the membership of the ARTP, which show a gain of 76 members since the previous year. However, we do not have access to data that distinguishes between new members and those who have renewed their membership. For a breakdown of membership types, please refer to figure 2. The most notable changes since the last measured period are an increase in PTP and STP student membership of 100% and 25% respectively.

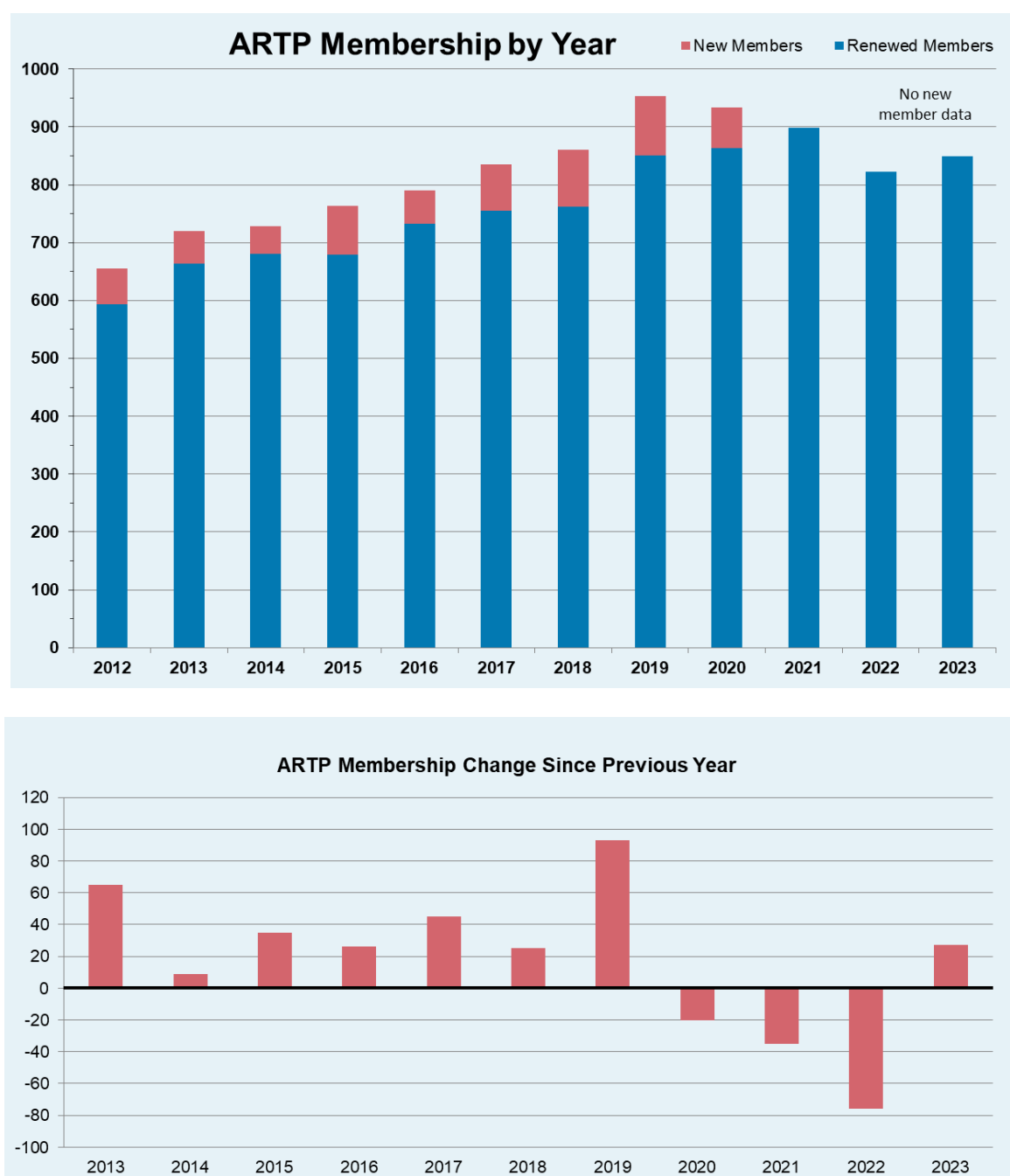


Figure 1: ARTP total membership by year (top) with the membership change since previous year (bottom). Note that there is no data for new vs renewed members available since 2021.

ARTP Membership by Member Type - March 2023 (n= 849)

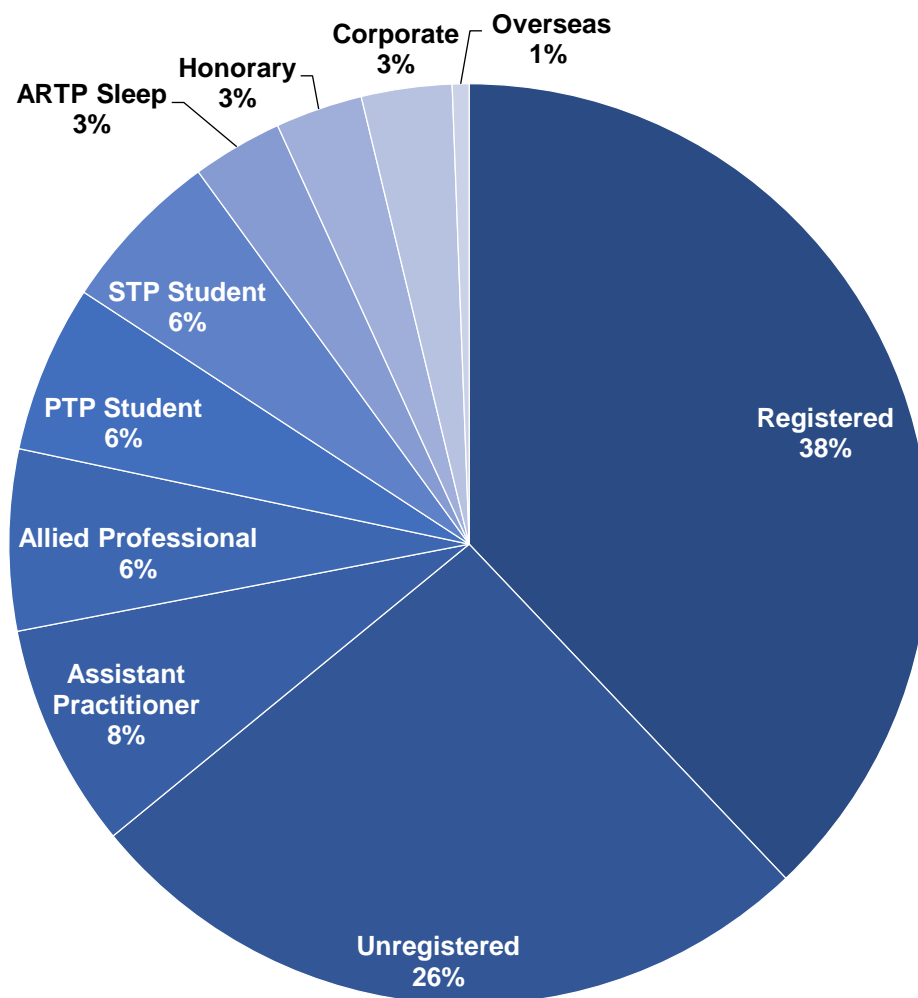


Figure 2: ARTP membership separated by membership type

8.3 Equality, Diversity and Inclusion

Over the past year, the ARTP Workforce Committee has prioritized the promotion of equality, diversity, and inclusion (EDI) within the organization. In line with recommendations from the national strategy day, the ARTP Chair and we collaborated to create an EDI survey to measure the organization's progress in this area. The goal is to gather insights into how ARTP can cultivate an inclusive culture and make meaningful changes.

Despite the survey responses being received from only 10% of the membership so far, we are grateful for the engagement and participation from those who responded. We are committed to analysing the data thoroughly to gain a deeper understanding of how to enhance ARTP's inclusive culture. We are excited to present the findings as soon as possible and are optimistic that this survey will help us create positive changes for all members.

8.4 ARTP Representation 2023

The planned activities for 2023/2024 for the committee to attend can be seen in the table below. The ARTP will be represented at public outreach events for students, primary care and nursing events, and scientific meetings.

| NAME | DATE | LOCATION |
|---|--|--------------------------------------|
| CAREERS FAIR | 31 st March 2023 | Birmingham NEC: Leonardo Royal Hotel |
| ARNS CONFERENCE 2023 | 11 th / 12 th May 2023 | Queens Hotel, Leeds |
| BTS SUMMER MEETING | 22 nd / 23 rd May 2023 | University of Manchester |
| ERS CONGRESS | 9 th / 13 th September 2023 | MiCo, Milan |
| PCRS RESPIRATORY CONFERENCE | 21 st / 23 rd September 2023 | Telford International Centre |
| RESPIRATORY PROFESSIONAL CARE CONFERENCE | 11 th / 12 th October 2023 | Birmingham NEC |
| CAREERS FAIR | 3 rd November 2023 | Tottenham Hotspur Stadium, London |
| BTS WINTER MEETING | 22 nd / 24 th November 2023 | QEII Centre, London |

Objectives 2022 (Workforce)

To play a role in national promotion of healthcare science as a career with a focus on respiratory and sleep physiology

To engage with national projects and research aimed at characterising and improving the clinical science workforce

To maximise understanding and communication of workforce issues to the membership and external stakeholders

Communicate with trainee networks (PTP/STP students) and ensure respiratory and sleep trainees are aware of the ARTP.

Liaise with the National School of Healthcare Science to advertise to students and support uptake for the newly available graduate diploma.

9.0 Paediatrics

COMMITTEE

| | |
|-------------------|----------------|
| Chair | Dr Jane Kirkby |
| Vice Chair | Emma Fettes |

Paul Burns
Dr Laurie Smith
Stephanie Brotherton
Philip Lawrence
Matthew Davies
Elise Buchan

9.1 Key Activities

- The paediatric committee provides member representation on the ARTP committees where needed and paediatric support to other committees as requested. Currently we have Emma Fettes sitting on Education committee, Matthew Davies sitting on Sleep committee and Philip Lawrence sitting on Spirometry committee.
- Paediatric session planning and approaching speaker for ARTP Annual Conference
- Providing response to queries sent via ARTP forum or emails for paediatric physiology issues
- Education links to develop, deliver and promote paediatric respiratory and sleep physiology education
- Sub-committee of Paediatric Spirometry working closely with ARTP Spirometry

9.2 Spirometry Education

- Paediatric input for national strategy day (EF)
- Paediatric input ARTP reporting course, and master class – PB and EF
- Professional exams with paediatrics – waiting for adults to go onto Pebblepad, then we will do the same – aiming September – To be discussed with Education committee.
- Basic and advanced sleep course (MD) – around 100 attendees for virtual course. Face to Face in April, in Birmingham.
- Certificates nocturnal oximetry, polygraphy (MD)
- 2 hour talk on paediatric lung function testing to Ulster University last week. They run a healthcare science degree - I think it's similar to the old clinical physiology degree so it was for 3rd year students. z-Scores and GLI were big topics in my presentation!
- Number of babies born!

Working closely with ARTP Spirometry Chair and Administration team, Paediatric Spirometry Certification has been completely updated to the online platform and is available in every aspect of the 'Adult' certificate; Paediatric Full, Paediatric Reporting and Paediatric Performing. We now also have a Joint Full, Reporting and Performing certificate (whereby adult and paediatric certification are combined) and a Paediatric top-up. The Spirometry

Certification Standards Document has been updated with information for paediatric provision. Members of the committee helped run the “train the trainer Spirometry day” and were available on the day to answer paediatric specific questions. Several members of the committee ran both virtual and face-to-face paediatric spirometry courses.

9.3 Education

The ‘Applied Practice of Multiple Breath Nitrogen Washout in Adults and Children’ Course has been ran again with good feedback. Our paediatric sleep committee members were involved in the basic and advanced sleep course and are also working on certificates for nocturnal oximetry and polygraphy. The CPET course in June 2022 and November 2022 had paediatric committee input and we also have a paediatric representative on the CPET certification process. The professional exams will be available for paediatrics once the adult examinations are available on pebblepad.

9.4 Other notable activities/achievements

ARTP CPET Competency Certificate development is nearly complete. We have a paediatric representative on this group.

Providing ARTP response for the consultation BTS Guideline for diagnosing and monitoring paediatric sleep disordered breathing.

| Objectives 2023 (Paediatrics) |
|---|
| To continue to support the Paediatric Spirometry Certification process for quality assured paediatric spirometry |
| To develop paediatric elements of the ARTP CPET Competency Certificate |
| To support the re-introduction of F2F ARTP courses |
| To plan paediatric elements for ARTP 2023 Conference Programme |

Thank you

ARTP wish to give thanks to all members for their continued support and invite members to attend the Annual General Meeting, taking place on Thursday 16th March 2023 as part of the virtual ARTP Conference 2023.

Further information about joining the online AGM and an agenda for the meeting is available on the ARTP website.