

Summer 2023

31st Pumphandle Lecture 2023

“Global health equity and the role of trade” by Ngozi Okonjo Iweala



John Snow Lecture Theatre
Tuesday 3rd October
5:30pm London time

Dr Ngozi Okonjo Iweala is Director-General of the World Trade Organisation, since 1 March 2021. She is a global finance expert, an economist and international development professional with over 30 years of experience working in Asia, Africa, Europe, Latin America and North America. She was formerly Chair of the Board of GAVI, the Vaccine Alliance, and was previously on the Boards of Standard Chartered PLC and Twitter Inc. She was appointed as African Union (AU) Special Envoy to mobilise international financial support for the fight against COVID-19 and WHO Special Envoy for Access to COVID-19 Tools Accelerator.

Dr Okonjo-Iweala twice served as Nigeria's Finance Minister (2003-2006 and 2011-2015) and briefly acted as Foreign Minister in 2006, the first woman to hold both positions. She distinguished herself by carrying out major reforms which improved the effectiveness of these two Ministries and the functioning of the government machinery. She had a 25-year career at the World Bank as a development economist, rising to the No. 2 position of Managing Director, Operations. As a development economist and Finance Minister, Dr Okonjo-Iweala steered her country through various reforms ranging from macroeconomic to trade, financial and other sector issues.

The lecture will begin at 5:30pm. This will be followed by the Society's Annual General Meeting (AGM). All Society members are encouraged to attend the AGM, either in person or remotely. The lecture will be recorded and placed on the Society's website.

After the AGM all members are warmly invited to repair to the John Snow public house in Broadwick Street, Soho, a short walk from LSHTM.

For those unable to attend in person, there is the option to attend the lecture online via the following Zoom link:

<https://lshtm.zoom.us/j/97159329580>

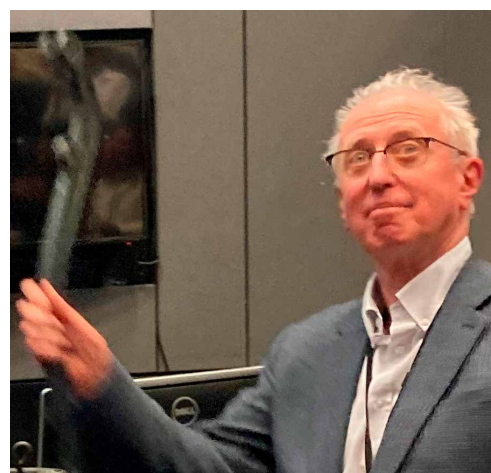
30th Pumphandle lecture 2022

“The imperative of climate action for health” by Andy Haines

The 30th annual Pumphandle lecture was delivered on Wednesday Sept 28 2022 by Prof Andy Haines, Co-chair of the Inter-Academy Partnership Working Group on Climate Change and Health and the Lancet Pathfinder Commission on Health in the Zero-carbon Economy, and ex Director of the London School of Hygiene and Tropical Medicine. The lecture was delivered both live, to a packed audience in the John Snow Lecture Theatre, and remotely to a large audience worldwide.

This lecture provided a broad yet detailed summary of the history, mechanisms and consequences of human-attributable climate change, with emphasis upon the implications for human health. These range from nutritional deficits attributable to crop failures, cardiovascular and respiratory consequences of heat and wildfire pollution, geographic spread of vector-borne infections, increases in food and water-borne infections, and increases in pre-term births, to mental health consequences of destroyed homes and forced migration.

[Continued on next page >](#)



These consequences are already being felt in many societies and are destined to become more severe in the years ahead. Prof Haines spent considerable time focussing upon what needs to be done in order to minimise damage to human health and society, by a mixture of adaptation and mitigation measures. These include a broad range of actions – including flood protection and reduction of fossil fuels, changes in transportation, upgrades in infrastructure, and nature-based solutions such as new ecosystems and agroforestry. He referred specifically to measures which should be taken in the health care sector, which is responsible for some 5 % of greenhouse gas emissions. He commented that current taxation and subsidy policies, and the COP26 agreements, were not sufficient for the task of reducing the fossil fuel industry and emphasised the need for these essential adaptation and mitigation measures to be distributed fairly across our dangerously unequal society.

Prof Haines answered questions from the live and remote audiences, several of which touched upon the severity of what confronts our planet and species and the polarised political climate surrounding the subject. He admitted to not being optimistic, but remained hopeful that effective action would prevent the potential worst consequences of this already manifest threat, encouraging climate action as a therapy for climate anxiety.

The vote of thanks was delivered by Dr Dilys Morgan, and expressed warm appreciation for an inspirational lecture. Tradition was followed, and Prof Haines was then invited to remove the handle from the Society's pump.

A recording of the lecture is available on the Society's website: www.johnsnowsociety.org

Follow-up message from the Co-Chairs of the John Snow Society:

Jimmy Whitworth and James Hargreaves

Last year, on the occasion of our 30th birthday, we launched a membership consultation in order to help the John Snow Society Steering Committee ("J3SC") sense-check how members feel about the Society and its work, and help us plan for the coming years. The consultation ran from September to December 2022, and 91 members responded (reflecting a potential bias-inducing approximate 2% response rate; huge thanks to those of you who responded!). The co-chairs presented a summary of the findings of the consultation, along with a suggested set of recommendations, to the J3SC at its meeting on 19th May 2023.

The overall interpretation of the data was that members greatly value the Society and the way it currently works. The functions of the society with which members were most "satisfied" were the Pumphandle Lecture and the Broadsheet newsletter, while members were more "neutral" regarding our web and social media presence and approach to promoting local chapters of the society. The greatest number of comments received encouraged the society to keep on doing what it currently does. There were several suggestions that the society might do "more", in a variety of domains. providing ideas for J3SC to consider.

The chairs presented a "six point action plan" to the J3SC. In general, some members of the committee were concerned that the proposals implied an increase in the size and/or scope of the Society's work and felt this should be considered with caution. The chairs sought to reassure the committee members that this was not the intention, and that the guiding principles behind the suggestions were to make things easier to do and more efficient, working within the Society's current remit, while encouraging and harnessing energy that J3SC members have to celebrate Dr Snow's legacy.

First, we will reschedule the annual J3SC meeting to happen between the Pumphandle lecture and year end, as an opportunity to plan activities for the year ahead (including developing a rota for the ever-important task of packing and sending mugs to new members). We also discussed streamlining the process of joining the Society by phasing out membership cards; while opinions were divided on this matter, as the cards are enshrined in the Society's constitution, but otherwise serve no practical purpose, we may pilot an "optional" or "print at home" approach to membership cards in the future.

Second, we will make it easier for members around the world to join online in one simple process, and will monitor whether this leads to a decrease in the administrative burden involved in running the society. Our esteemed co-Treasurers and financial officer, John Watson, Marta Tufet and Sebastian Funk are taking forward this proposal.

Third, we will explore ways to strengthen our presence on social media and our approach to encouraging chapters, again while making sure that we do not overburden members. Dr Seyi Soremekun is currently doing a wonderful job of overseeing the society presence on Twitter, after many years under the hand of Dr Stefan Flasche. Seyi and Dr Lauren D'Mello Guyatt will continue to develop their ideas for this and other platforms and report back to J3SC on how things are going. We want to encourage members to form new chapters wherever there is a group of Society members. Guidance on how to do this is available on our website, but how this operates is entirely up to you.

Fourth, while recognising again that the society thrives on volunteerism alone, we will encourage the development of other events under the John Snow Society banner, where J3SC members have the enthusiasm and energy to develop these. We do not anticipate a plethora of events – but there may be interest in a range of specialist subjects such as WASH, microbiology, history of public health and anaesthesia. J3SC welcomes Dr William Roberts, CEO of the RSPH, as an ex-officio member, and events in partnership with RSPH may also be considered. Such events would be communicated through our website and social media presence.

Fifth, the society is keen not to become a mail-order house for John Snow mugs or other memorabilia. Nevertheless, we have in the past commissioned ties, earrings and some other merchandise which have been well received by members. Once again, contingent on the enthusiasm of J3SC members to take on such projects end-to-end, J3SC members expressed support for ideas for new items of John Snow Society merchandise to be brought forward for consideration.

Sixth, and finally, some years ago the Society organised a social event involving live music. While not having any ambition to make this part of a regular cycle of society activity, there was general enthusiasm to plan another such event over the next couple of years. Stay tuned!

If you have any further thoughts or suggestions for the Society, please do get in touch at johnsnowsociety@lshtm.ac.uk

Chapters

According to our Constitution (<http://www.johnsnowsociety.org/constitution.html>), we have not given detailed guidance on Chapter formation, but two statements are particularly relevant: "Eligibility to join the Society is defined as wishing to celebrate the memory of John Snow." And: "Members of the Society are encouraged to establish informal groups, chapters (divisions) and meetings in their own countries and localities. Local groups may levy an additional fee to finance their local activities." Another principle enshrined in the Society's Constitution is that: "A John Snow Society meeting can be declared wherever and whenever at least two Members of the Society are present. A photographic record of meetings and events may be sent to the Secretary for inclusion in the Society's archives."

We are aware of at least 14 "chapters" that have been organised in various places over the years, including in Kampala Uganda (the first), Maputo Mozambique, Norway, Iceland, Finland, Auckland New Zealand, Heidelberg (now Berlin) Germany, Bethesda Maryland, Hanover New Hampshire, Texas, South Carolina and San Francisco California (the latest) in the USA, and Sydney and Melbourne in Australia. The society would welcome hearing about the formation of more chapters and will gladly receive news from chapters for inclusion in this Broadsheet newsletter.



Nordic Chapter

Asle Aasen, Secretary General

2020 and 2022 Pumphandle Awards

The Nordic Chapter's Pumphandle Awards for 2020 and 2022 were awarded to Finn Mollerup and Anders Bækgaard, respectively, at the IWA President's Dinner in the City Hall, Copenhagen on 10 September 2022. The award is for «work to promote safe and high quality drinking water, with special focus on hygiene in the drinking water production and distribution systems.»



Asle Aasen addressing the IWA President's dinner in Copenhagen

The Jury commented that Finn Mollerup is known for his thorough, systematic and technically-skilled work for VCS Denmark as well as Danish and International water supply, with an effort and contribution far beyond the duty adjacent to his position. He enjoys great recognition in the water sector for his more than 30 years' work with drinking water production for VCS Denmark, which under his leadership has been constantly evolving and emerging as a unique example. Besides responsibility for the daily operation and maintenance, Finn has focused on design and setting up new waterworks and processes, drinking water quality, SCADA (Supervisory, Control, and Data Acquisition) systems and last but not least drinking water hygiene. This work led to his position today as Senior Manager for Occupational Health and Drinking Water Quality at VCS Denmark. The Jury underlined Finn's impressive

activity outside his job, contributing to training programs for the Danish Water and Waste Water Association, having shared his unique insight and knowledge to more than 2000 course participants since 1999.

The Jury commented that Anders Bækgaard is known for his work as Executive Director /CEO for VandCenter Syd and his international engagement. He enjoys great recognition in the water sector for his work as Chairman for the Foundation for Development of Technology in the Danish Water Sector, and also as Chairman for Danish National Committee. As Director for DANVA Anders promoted Nordic cooperation and contact way back to 1998, when he arranged the first Nordic IWA meeting in Kristiansund N in Norway. Anders has been active in the Nordic water community ever since. The Jury especially underlines Anders' impressive work as Congress President for IWA 2020 and IWA 2022. The IWA World Congress in Copenhagen has been an inspiration for colleagues in the Water Sector in the Nordic countries.

The Jury noted that both awardees showed "enthusiasm and engagement, far beyond duty, in the Spirit of John Snow".



Left to right: Finn Mollerup, Asle Aasen and Anders Bækgaard

Planetary Health – the spread continues

In the 2021 Broadsheet edition, the German chapter described the epidemic spread of the Planetary Health narrative among health professionals in Germany. Since then the concept of Planetary Health has continued to spread and gain momentum in Germany - and around the globe. Recognizing the need to move from theory to action, efforts to implement the principles of Planetary Health have been amplified over the past two years.

One significant development was the establishment of the [Centre for Planetary Health Policy](#) (CPHP) in Berlin in late 2021. The CPHP serves as a platform for scientific policy advice on planetary health, providing valuable insights and guidance to policy makers. By bridging the gap between research and policy, the centre plays a key role in driving the integration of planetary health into decision-making processes.

Another noteworthy development is the foundation of KliMeG, the “Kompetenzzentrum für klimaresiliente Medizin und Gesundheitseinrichtungen” (“Competence Centre for Climate-Resilient Medicine and Health Facilities”). KliMeG is a strategic alliance of hospitals working towards advancing climate protection within the health sector. This collaborative effort emphasizes the importance of making healthcare facilities more resilient to climate change and reducing their environmental impact.

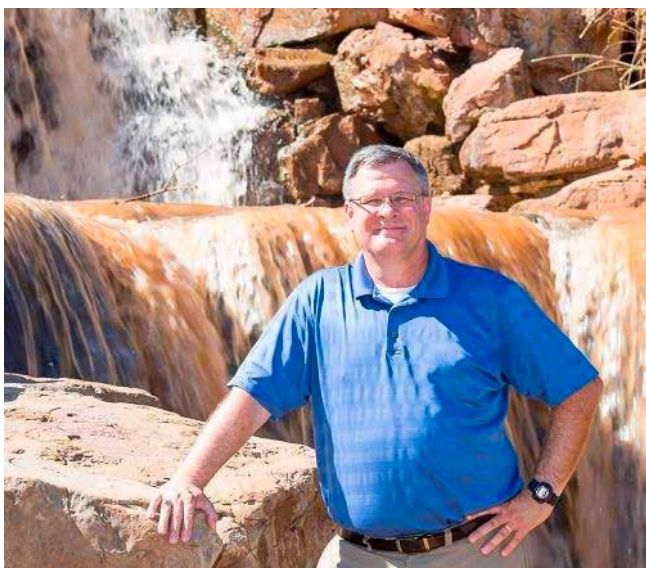
Summer is in full swing - and while we all try to cope with one heat wave after another (in what might be the coolest summer for the rest of our lives), there is an exponential

increase in the promotion of heat health action and protection measures, both the national and local levels. Various stakeholders, including health professionals, policy makers, and community organizations, collaborated to develop and implement effective strategies to protect vulnerable populations during periods of extreme heat.

The impact of the Planetary Health narrative also extended to scientific advisory boards. Both the [WBGU](#) (German Advisory Council on Global Change) and the [SRU](#) (German Advisory Council on the Environment) published reports in the summer of 2023 focusing on the intersection of environment and health, one with a more global perspective, the other one taking a more national view. These reports provide valuable insights into the complex relationship between human well-being and the planet's ecosystems, emphasizing the importance of adopting a holistic approach that considers environmental factors when formulating health policies and vice versa. Additionally, the Robert Koch Institute published the first part of the [German Status Report on Climate Change and Health \(2023\)](#).

In summary, the spread of the Planetary Health narrative in Germany continues tangibly, and has accelerated notably over the past two years. Efforts to implement the principles of Planetary Health have gained traction and science is increasingly informing policy, paving the way for the social tipping points which can make a healthy future possible.

Congratulations to Daniel Nix



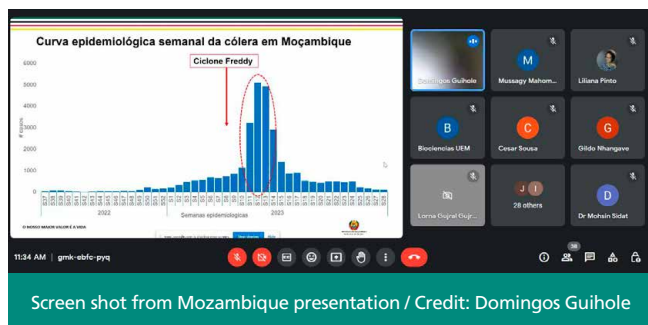
Daniel Nix

Daniel Nix, a member of the Texas Chapter of the John Snow Society, received the Honorary Member Award at Texas WaterTM 2023. This is the second highest award that the national AWWA awards each year to a member “whose knowledge and accomplishments in the field of water supply entitle him/her to special recognition.” Mr. Nix has had a 36 year long career in the water sector. During this time, he was instrumental in implementing revisions of the Safe Drinking Water Act of 1974. He has worked at the local, state, national, and international levels as a consultant and serving on various committees. He has also been instrumental in developing an online class, (SETH) Science, Engineering, Technology, and Health, for high school students across Texas to be trained as entry-level water operators in the state.



Epidemic cholera in Mozambique, 2022 - 2023

Our latest John Snow Society Chapter meeting focused again on cholera, as a consequence of the large increase in the number of cases in Mozambique. Dr Domingos Guihole of the Ministry of Health presented in GoogleMeet on the current situation (Figure 1). Forty five people attended the presentation.



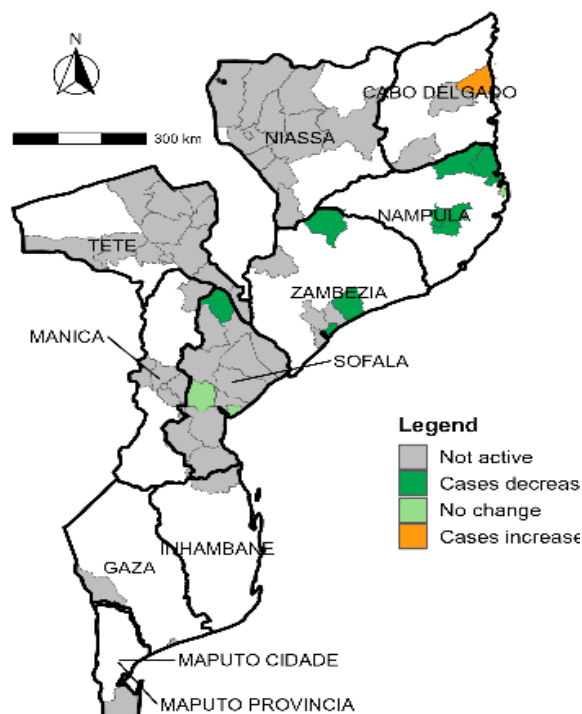
In the last five years, the world has seen increases in cholera cases, deaths and in the number of countries affected. Thirty countries reported cases of cholera in 2022, tripling the number of countries which regularly report the disease. In Southern Africa, almost all countries reported cases. In Mozambique, from the beginning of the current epidemic on the 14th September 2022, to the 16th July 2023, there have been 33,344 cases and 141 deaths (CFR 0.4%).

Figure 2 shows the active districts in July 2023. Cases had decreased in most provinces, but were increasing in Nampula Province. In week 28, Cabo Delgado Province reported a new case. And four districts in Cabo Delgado and Nampula Provinces reported cases of acute watery diarrhoea. This is often an indication for a cholera outbreak while laboratory confirmation is pending. Surveillance, including laboratory confirmation, has been less than ideal.

The recent cholera spread in Mozambique has been influenced by many factors. In September 2022, cholera affected areas in Niassa Province, spreading from a large epidemic which was occurring in Malawi. In February 2023, cyclone Freddy affected cholera control efforts over a large area of the country. The intensity of this long and powerful cyclone may have been related to climate change. In Mozambique, cholera outbreaks commonly peak in the hot rainy season (November to March) and decline in the subsequent dry season.

Standard measures to prevent and treat patients with cholera have been used in Mozambique. Additionally, vaccination was implemented in reactive campaigns in 16 districts in February and March 2023, vaccinating a total of 2,488,551 people. Community activists were trained in the prevention and treatment of cholera, including the distribution of water purification products (Figure 3).

Cholera is still a major public health threat in Mozambique, reminding us of the unique contribution made by John Snow in mapping the affected areas, and implementing simple approaches for surveillance and prevention of the disease.



No Snow in Sydney

An eminent American environmental epidemiologist told me that he had, in a previous life, been a weather forecaster – a boring job: “The best predictor of tomorrow’s weather is today’s,” he said. So, he turned to epi – which is never boring.

Certainly, the past year has been lively in Australia. Labor, in power everywhere except in Tasmania, has traditionally shown greater interest in health and medical care than the conservatives. Before the 2022 federal election, Labor promised to reform the national health care financing system (Medicare) and to explore the development of a Centre for Disease Control (CDC). COVID was a fox in the hen-house of public health. Because there remains a strong commitment to repair its damage, budgetary money was recently set aside to plan a national CDC.

The intention is that it provide greater coherence in response to national health emergencies. Many interest groups have views about its shape and function. While each state and territory has its own public health agency, linkages sharing data and information could be stronger, and surveillance smoother, with nation-wide integration.

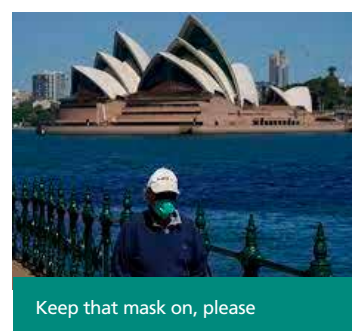
This is not CDC’s first twirl on the dance floor. Previous attempts have tripped up. Local fiefdoms’ natural, and often warranted, suspicion of central agencies needs careful management, especially as money is involved, if a bold national vision is to prevail.

Meanwhile, the nation is re-stabilising after Covid, much as in a post-war era. Fear, the virus and lockdown isolation, created existential tremors on a wide front. Covid is still present: each week, New South Wales, for example, reports about 14,000 new cases.

After the tumult, many people are wondering whether the customs they previously followed, like commuting to work and working hard, are what life’s all about. Ukraine, global warming, huge national debt, high interest rates, grocery and fuel price hikes, housing shortages, and growing inequality and societal unfairness, add fuel to the flames of anxiety. Optimists say that this shake-up could have good consequences. Others aren’t so sure. Assessments of the changes in Sydney suggest that they are far-reaching.

<https://greatercities.au/city-shaping-impacts-of-covid-19/how-greater-sydney-changing>

John Snow would grasp the fact that Covid’s effects are not evenly distributed throughout our community. Uneven health consequences will follow. Watch this space.



New Zealand Chapter

Ross Lawrenson (Professor of Population Health, University of Waikato)

Another bad weather story

New Zealand’s major news in 2023 has been the weather. Since January we have been impacted by 2 cyclones and a major rain event in Auckland causing flooding. The impact of these events on public health services has been substantial and caused services to pivot from dealing with the Covid pandemic to looking at protecting water supplies, ensuring access to primary care services and dealing with the wider health impacts of climate change. John Snow’s range of skills would be put to good use in meeting these new challenges. January’s cyclone Hale caused major flooding in the northern and eastern part of the North Island. Roads were washed away and communities flooded. Two weeks later, on our holiday weekend, Auckland, our largest city was hit again with dramatic scenes as the airport closed because of flash flooding in the terminal with traveller’s luggage floating out of the door. Major parts of the city were under water and 4 people died, homes were deemed uninhabitable some due to being inundated with contaminated water – others because the cliff tops on which they were perched were slipping away.

A month later the country was hit again – this time by cyclone Gabrielle which hit Auckland and then tracked to the east causing devastation to the rich growing areas of Gisborne and Hawkes Bay. These regions also have substantial timber resources and the so called forestry slash comprising the remnants left behind after logging caused major devastation. Thousands of tons of timber

debris wiped out bridges and homes, covered farms and in many cases ended up in the ocean covering the beaches. Eleven people died including a young boy playing on the beach after the storm, being hit by a floating log.

All these events required a major health response. Public health addressed the water problems due to contaminated water supplies, sewage systems being inundated and people needing to be relocated to emergency housing. Four months on people were still unable in many cases to return home, communities have been cut off for weeks with roads washed and bridges washed away. Mental health has been seriously affecting communities with the health services struggling to support those affected, including children still living in emergency accommodation. And of course the impact on farms means food prices have sky-rocketed. People are at last realising climate change has serious consequences and there is much talk about building resilient infrastructure to meet the challenges of the future. However it is the effects of inflation and rising interest rates that is in most people’s minds as we run up to another election – meaning many policy decisions to mitigate our impact on the climate have been shelved. As we move into El Nino weather pattern I expect next year I will be reporting on droughts and dealing with heat waves and we will still be talking about whether we can afford the costs of addressing climate change!

Special reports:

Mitch Strachan

Teaching high school students about John Snow

As a high school maths teacher from Cleveland, Ohio, in the USA, I never expected my teaching career to intersect with the public health industry, much less the John Snow Society. Yet, here I am, thirty years after my first encounter with John Snow's map, teaching a seminar on John Snow and the London cholera epidemic of 1854 and writing an article for the "Broad Sheet." Further adding to my bewilderment, in December 2022, I visited the amazing people at LSHTM and the John Snow Society, the replica of the pump in Soho, and, of course, the John Snow pub (several times). I often find myself asking, in the words of The Talking Heads, "Well, how did I get here?" How did I end up going down this crazy rabbit hole? The answer I keep coming back to is that no matter what you do, there is power in a good story.

My connection to the story of John Snow started about thirty years ago when I encountered a reference to his legendary map in a book called *The Visual Display of Quantitative Information* by Edward Tufte. This book gave about one half-page of space to the map, telling what I have come to call the "Tik-Tok version" of the 1854 outbreak. Fifteen years later, the story of John Snow again resurfaced in my life when my sister-in-law gave me a copy of *The Ghost Map*, by Steven Johnson. (This part of my story would be incomplete without mentioning that my sister-in-law works for John Snow, Inc. in Boston.) While my initial encounter with John Snow was a result of an interest in data graphics and statistics, it was the compelling story in *The Ghost Map* that revealed many fascinating layers and colourful characters and made me want to learn more. Somehow, this all brings us to present-day, in which I now teach a two-week unit on John Snow and the 1854 cholera outbreak as a part of my science colleague's class called "Microbiology and Infectious Disease."

The short course I have crafted for my students is loosely organized around *The Ghost Map*. Each day, we read sections of his book out loud, trying to understand the setting, characters, timeline, and scope of the problems in Victorian London. Between readings, we engage the social media platforms of the day - political cartoons and magazine articles - to try to understand the life of an average Londoner at the time and the social, political, and scientific circumstances that surrounded the deadly outbreak. We also dig deeper into the lives of some of the main characters - John Snow, Henry Whitehead, William Farr, and Edwin Chadwick - to understand their experiences, motivations, strengths, and weaknesses. I introduce my students to the writings of Snow and Whitehead, the role of medical journals like *The Lancet*, and the historical work of Peter Vinten-Johansen, Sandra Hempel, and others to provide depth, context, and perspective. With the help of my science colleague, we discuss the biological mechanisms by which *Vibrio cholerae* inflicts its wrath on the human body and why society resisted accepting its true causes for so long. Finally, we spend time investigating the value of a well-crafted data graphic and how the geometry of a Voronoi diagram proved to be one of the most effective elements of Snow's argument that cholera is a waterborne disease.

Now several iterations into this seminar, I realize that my true goal for this unit is for students to embrace the complexity of the story and to connect with at least one element in some



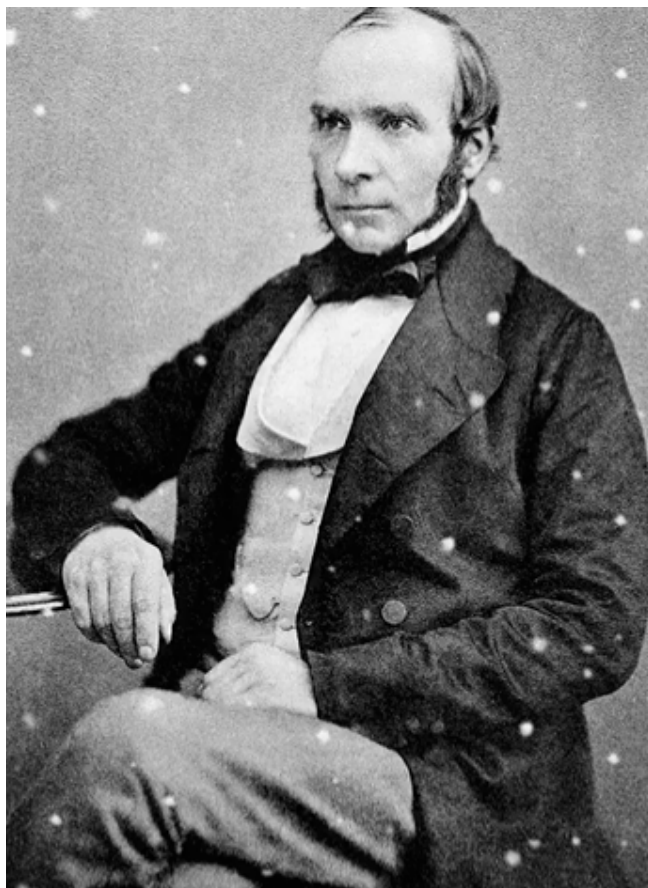
Mitch Strachan at the Broad(wick) Street pump monument

meaningful way. Snow's and Whitehead's detective-style approach to understanding a public health crisis resonates with some students. Others are interested in the government's complicity in perpetuating the spread of cholera, while also implementing policies that led to major public health improvements for Londoners. Many, like me, enjoy the role of data and its persuasive capacity when presented in a well-designed graphic.

I certainly don't expect all of my students to become doctors, public health researchers, or statisticians as a result of their two-week journey with me. But, in a world of abbreviated attention spans, media sound bites, and Tik-Tok, I do hope that they are inspired to look below the surface of those things that pique their interest and immerse themselves in the story. I, for one, am already wondering where this story will take me next.

Editor's note: Mitch Strachan has kindly made his superb teaching slides available to all, on the Society's website. Members are encouraged to view these slides and use them in teaching the great story.

The Society on Twitter



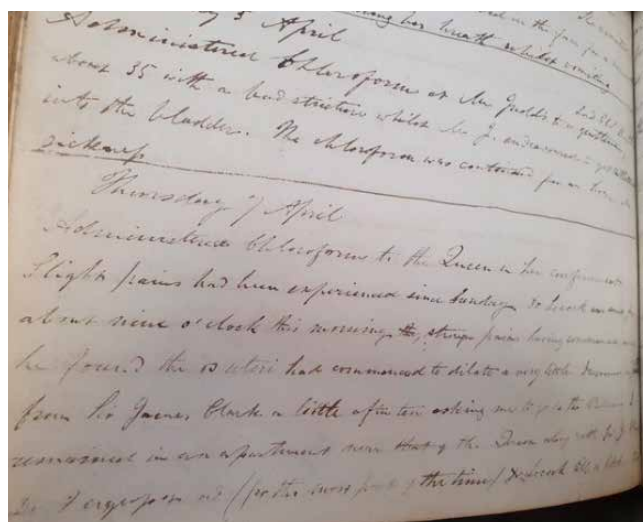
Snow on Snow

Did you know the John Snow Society is on Twitter? Over the past year we've connected with members and enthusiasts to share Society updates, point to epidemiological research, advertise upcoming public health programmes around the world... and share photoshopped pictures of Dr John Snow. A series of Christmas 2022 tweets which wished followers well with the hashtag #DrSnowAndFriendsAtXmas profiled the contributions of Dr William Farr, Reverend Henry Whitehead, Dr Robert Koch, and Florence Nightingale to research and to the management of cholera in the UK and abroad. Strategic additions of holly, bells, wreaths, and gingerbread to their portraits added a festive air. The series underscored the incredible interdisciplinary effort involved; final acceptance of the bacterial cause of cholera occurred some 25 years after Dr Snow's death, highlighting the path to full epidemiological characterization of cholera was far from smooth. We concluded the Christmas campaign with a snowy gif of Dr Snow himself, viewed over 11,000 times, making it one of our most popular tweets this year (1).

The 15th of March was an exciting time for the JSS twitter feed – John Snow was born on this day in York at his home on North Street in 1813 and this year (2023) marks the 210th anniversary of this date. Launching with a picture of John Snow blowing a party whistle, JSS membership mug in hand and with the hashtag #Happy210BirthdayDrSnow we invited followers to share pictures of their Society mug and a graphic or map of their own work. We received responses from across our global community including the

USA, UK, Canada, Ecuador, Germany, Tanzania and Malaysia, and a birthday message from Ximena Aguilera, the Chilean Minister of Health. Thank you all for your fantastic entries: the launch tweet was viewed over 15,000 times.

We're further marking the 210th anniversary with a series of visits to archives holding rare John Snow or historical public health memorabilia, and awarded JSS merchandise to followers who correctly identified the archive location from posted pictures. At the Royal Society of Physicians archivist Felix Lancashire organised access to Dr Snow's original case books where he recorded details of the thousands of patients he anaesthetized before surgery in his neat cursive handwriting. We tweeted photographs of his original entries of the anaesthetizing of Queen Victoria during the births of two of her children (2). Well done to Dr Billy Quilty who won first prize for identifying the RCP building. We were hosted at the Royal Society of Public Health by CEO William Roberts to review first editions of pioneering research by Florence Nightingale and John Howard, and browse the archives of the history of the formation of the Society itself. The RSPH located in the beautiful John Snow House in Aldgate, recognised by follower Professor Russell Stothard from our posted pictures – congratulations and we hope you've received your book. Details of our visits and gems from these archives are available on our twitter feed. Where to next? Please send us your suggestions. If you have a twitter account and would like to share feedback, interesting stories about John Snow, epidemiology or public health we would like to hear from you. We also welcome pictures of members



Snow's Case note re Queen Victoria

with their Society mugs or other memorabilia which we will always re-tweet –JSS co-founder Professor Jimmy Whitworth was recently 'spotted' giving evidence to the UK Covid Enquiry in his JSS tie; our resulting tweet has been viewed over 1000 times so far.

Our first annual JSS Social Media Map summarises our twitter activity over the period August 2022-July 2023 and is available to view on the website.

-JSS Web and Social Media Team

Twitter address: [@JohnSnowSociety](https://twitter.com/JohnSnowSociety)

Society Matters:

Call for nominations to the John Snow Society Steering Committee

The John Snow Society Steering Committee ("J3SC") met on 19 May 2023, continuing its work to manage the Society and make it sustainable into the future. The current committee comprises: James Hargreaves and Jimmy Whitworth (Co-Chairs), Paul Fine and Charlotte Flynn (co-Secretaries), Marta Tufet and John Watson (co-Treasurers), Sebastian Funk (Financial Controller), Seyo Soremekun and Patrick Nguipdop-Djomo (Social Media and Website Officers). Stefan Flasche, Lauren D'Mello-Guyett, Pedro Hallal, Alex Mold, Dilys Morgan, and George Rutherford. Two Committee members reach the end of their 3-year terms this year. According to our Constitution, the J3SC can hold up to 12 members, in addition to founding members (JWh, DM, PF) and thus there are at least four places open this year.

We invite applications from members in good standing (with intact mug and membership card). Following our constitution (www.johnsnowsociety.org/constitution.html) a valid application should be received by the Society by first September, and will consist of "a statement of 54 words describing commitment to - and vision for - the Society. Applications will be considered by the J3SC for ratification by Members present at the AGM, unless it is necessary to conduct an email poll if suitable applicants exceed vacancies."

Exclusive to JSS Members

A new 13th (30th anniversary) edition mug is now available. Free to new members, additional mugs can be purchased if you wish to add to your collection or as insurance policy against breakage (which, according to our constitution, deactivates your membership).



Members can purchase up to 2 additional mugs. The elegant pump-design silk ties (each has a single pump without handle) and the illustrated book by Dr Spence Galbraith (John Snow: his early years) are also available for purchase. See web site for details.

JSS Earrings: Limited Edition

A limited supply of solid silver earrings depicting the Broad Street pump (with and without the handle) are now available for members only.

Cost £65. Please email

johnsnowsociety@lshtm.ac.uk for orders and enquiries.



Reminder to Members – update your email address

Our cumulative membership total, to whom we will send notice of this Broadsheet, now exceeds 4000. Unfortunately, more than 25 % of emails bounce. We suspect that a few members may have crossed the great divide, but we also suspect that some have merely changed their email addresses. Or some email addresses may have been illegible or otherwise in error from the start.... So – if you are/have been a member, but do not receive one email a year from us – please let us know your appropriate (personal generally better than job-related) email. Or if you know of a member who has not heard from us – encourage them to contact us and update their email address.

Keeping in touch

The John Snow Society contacts all members once per year, via email, with news about the Society and details of the annual Pumphandle Lecture.

For more interactive participation in the Society, please join the over 2,000 like-minded and follow us on **Twitter** (@JohnSnowSociety)



Contact details for the John Snow Society

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