

# 5 Nations Health Protection Conference

Wednesday 7th May	
09.00 – 10.30	<b>Registration &amp; Refreshments</b>
10.30 – 10.40	<b>Welcome to the 5 Nations Health Protection Conference</b> <i>Professor Andrew Lee, Chair of the Local Organising Committee</i>
10.40 – 11.00	<b>Opening Address</b> <i>Ruth Tennant. Director of Public Health   Solihull Metropolitan Borough Council.</i>
11.00 – 12.30	<b>Session 1: Epidemiology and Surveillance</b> <i>Chairs: Ms Louise Coole &amp; Professor Andrew Lee</i>
11.00 – 11.10	<b>O – 1: Investigating early mpox (clade Ib) cases and their close contacts in the United Kingdom: interim results of a First Few X (FFX) investigation</b> <i>Mrs Jessica I'Anson</i>
11.10 – 11.20	<b>O – 2: Shiga toxin-producing Escherichia coli O26 as an increasingly common cause of haemolytic uraemic syndrome in England: A fifteen-year analysis of national enhanced surveillance data</b> <i>Dr Luke McGeoch</i>
11.20 – 11.30	<b>O – 3: Defying SARS-CoV-2 infection: healthcare workers who have never tested positive over four years of follow-up within UK SIREN Study</b> <i>Miss Quisha Bustamante</i>
11.30 – 11.45	<b>Q&amp;A</b>
11.45 – 11.55	<b>O – 4: Health equity and surveillance of infections: identifying the gaps and recommendations for improvement</b> <i>Ms Hannah Jary</i>
11.55 – 11.05	<b>O – 5: Exploration of options to provide a denominator for high-risk GBMSM cohort eligible for mpox vaccination in Northern Ireland</b> <i>Ms Hannah McCalmont</i>
12.05 – 12.15	<b>O – 6: Adaptation by Automation: Using PowerBI to meet the data needs of a complex and evolving Group A Streptococcus outbreak</b> <i>Mr Daniel Sanchez</i>
12.15 – 12.30	<b>Q&amp;A</b>
12.30 – 13.30	<b>Lunch</b>
13.30 – 14.15	<b>Session 2: Antimicrobial Resistance and Healthcare Associated Infections</b> <i>Chairs: Dr Will Morton</i>
13.30 – 13.40	<b>O – 7: Multidisciplinary aspects to mitigate an outbreak of Aspergillus on a critical care unit in East of England, 2023-2024</b> <i>Ms Ellen Heinsbroek</i>
13.40 – 13.50	<b>O – 8: Multiple contributing factors in a large and protracted outbreak of mixed carbapenemase-producing enterobacterales (CPE) at an NHS trust in the North East, 2023 to 2025</b> <i>Ms Lara Utsi</i>
13.50 – 14.00	<b>O – 9: Identification and Investigation of 2 cases of Salmonella paratyphi A with the same WGS in nurses working in the same ward [SCBU].</b> <i>Dr Saqif Mustafa</i>

14.00 – 14.15	Q&A
14.15 – 15.00	<b>Poster Storm Session</b> <b>Lightning-round 90-second presentations on the most noteworthy posters.</b> <i>Chairs: Professor Dilys Morgan &amp; Dr Henry Prempeh</i>
	<p><b>PS-01 - Air pollution exposure reduction: identifying barriers to patient communication</b> <i>Mr Paul Callow</i></p> <p><b>PS-02 - Automated surveillance tool for rapid detection of Shiga Toxin-Producing Escherichia coli (STEC) to support and improve public health actions</b> <i>Miss Andreea-Camelia Chirita</i></p> <p><b>PS-03 - A decision-making model for public health authorities in circumstances of potentially high public risk</b> <i>Dr Yimmy Chow</i></p> <p><b>PS-04 - From Planning to Response: UKHSA London Region's Preparedness for Response to the first UK Case of mpox clade 1b - A High Consequence Infectious Disease</b> <i>Ms Catherine Pollard</i></p> <p><b>PS-05 - Investigation and control of an increase in hepatitis A cases in Greater Glasgow and Clyde, autumn 2024</b> <i>Dr Lukasz Henszel</i></p> <p><b>PS-06 - Tender conversations: workforce wellbeing and communication skills in the event of death and loss</b> <i>Ms Alix Johnson</i></p> <p><b>PS-07 - Public health management of suspected invasive meningococcal disease: a retrospective review of notified cases in the South West, 2023–24</b> <i>Dr Bayad Nozad</i></p> <p><b>PS-08 - Concurrent outbreaks of Escherichia coli O157:H7 and O157:H39 with high asymptomatic carriage of other Shiga-toxin producing E. coli in nursery children in South-East Scotland</b> <i>Mr Graham Mackenzie</i></p> <p><b>PS-09 - Survey of healthcare professional's knowledge, attitudes and practices relating to AMR – analysis of NI respondents</b> <i>Mrs Bronagh McBrien</i></p> <p><b>PS-10 - Evidence synthesis to provide new estimates of the case fatality rate of clade I mpox</b> <i>Dr Jacob Asplin</i></p> <p><b>PS-11 - STEC in unpasteurised milk – a raw deal for consumers?</b> <i>Dr Saqif Mustafa</i></p> <p><b>PS-12 - A collaborative approach to the risk of zoonotic influenza in the UK: interim results of an enhanced surveillance programme</b> <i>Ms Carys Rees</i></p> <p><b>PS-14 - Gastrointestinal illness after possible exposure to flood water from contaminated real ale – an unusual outbreak investigation</b> <i>Dr Jon Roberts</i></p> <p><b>PS-16 - Review of hepatitis B-related mortality in Birmingham, UK</b> <i>Dr Sandhya Santharam</i></p>

	<p><b>PS-17 - Qualitative review of experiences of people engaged in sex work and services working with sex workers in Walsall.</b> <i>Mr Nigel Smith</i></p> <p><b>PS-18 - Evaluating the impact of a lower risk tolerance approach to Shiga toxin-producing E.coli (STEC) case management in Northern Ireland</b> <i>Dr Patrick McAleavey</i></p> <p><b>PS-19 - Changes in TB diagnosis during the Covid-19 pandemic in Yorkshire and the Humber: an exploratory analysis of surveillance data.</b> <i>Dr Alex Thompson</i></p> <p><b>PS-20 - Revisiting the association between transportation noise and heart disease: an updated systematic review and meta-analysis</b> <i>Dr Owen Williams</i></p>
<b>15.00 – 15.30</b>	<b>Refreshments</b>
<b>15.30 – 17:00</b>	<b>Session 3: Health Protection Practice and Quality Improvement</b> <i>Chairs: Dr Kirsty Foster &amp; Dr Sue Ibbotson</i>
<b>15:30 – 15.40</b>	<b>O – 10: s pre-travel advice followed? A study of UK international travellers with gastrointestinal illness and asymptomatic travellers</b> <i>Dr Nicola Love</i>
<b>15.40 – 15.50</b>	<b>O – 11: TB Service Provision in the South West of England: Action points from a Regional Survey</b> <i>Dr Meghna Irukulla</i>
<b>15.50 – 16.00</b>	<b>O – 12: Opt-out BBV admissions testing in Scottish Prisons, a national linkage study</b> <i>Dr Maxim Wilkinson</i>
<b>16.00 – 16.15</b>	<b>Q&amp;A</b>
<b>16.15 – 16.25</b>	<b>O – 13: Building up a resilient health protection workforce</b> <i>Mrs Michelle Connolly</i>
<b>16.25 – 16.35</b>	<b>O – 14: Struggling to make time for operational research? Time to “SORT-IT” (Structured Operational Research and Training Initiative)</b> <i>Dr Merav Kilner</i>
<b>16.35 – 16.45</b>	<b>O – 15: Improving health equity in TB incidents: Lessons learnt from a TB exposure in a school involving children with Special Educational Needs and Disabilities (SEND)</b> <i>Mrs Suzie Krisifoe</i>
<b>16.45 – 17.00</b>	<b>Q&amp;A</b>
<b>17.00</b>	<b>End of Day</b>
<b>18.30 – 23.00</b>	<b>Health Protection Conference Dinner</b>

<b>Thursday 8th May</b>	
<b>08.00 – 09.00</b>	<b>Registration &amp; Refreshments</b>
<b>09.00 – 10.45</b>	<b>Session 4: Outbreak Management and Incident Response</b> <i>Chairs: Mrs Kelly Neville &amp; Dr Laura McCartney</i>
<b>09.00 – 09.15</b>	<b>Welcome to Day 2</b> <i>Professor Andrew Lee</i>
<b>09.15 – 09.25</b>	<b>O – 16: A(H5N1) human infection in the United Kingdom – A Case Report</b>

	<i>Miss Stephanie Hayward</i>
09.25 – 09.35	<b>O – 17: Resurgence of measles in London in 2024: UKHSA led multi-agency response</b> <i>Dr Partho Roy</i>
09.35 – 09.45	<b>O - 18: Investigation of an ongoing cluster of TB cases associated with prisons, England</b> <i>Ms Lucy Findlater</i>
09.45 – 10.00	<b>Q&amp;A</b>
10.00 – 10.10	<b>O - 19: Tester beware! Reflections on an outbreak of STEC O26 in a nursery</b> <i>Dr Kirsty Foster</i>
10.10 – 10.20	<b>O - 20: Hepatitis A cluster linked to a primary school setting, East of England, 2024: Using descriptive epidemiology to inform appropriate public health response.</b> <i>Miss Katie Thorley</i>
10.20 – 10.30	<b>O - 21: Group A Strep wound infections: a prisoner to the system?</b> <i>Mr Shakeel Suleman</i>
10.30 – 10.45	<b>Q&amp;A</b>
<b>10.45 – 11.15</b>	<b>Refreshments</b>
<b>11.15 – 13.00</b>	<b>Session 5: Emergency Preparedness, Resilience &amp; Response – Managing Chemical, Radiation, and Environmental Hazards</b> <i>Chairs: Dr Matthieu Pegorie</i>
11.15 – 11.25	<b>O - 22: Public Health Risks from Lithium-ion Batteries in the Maritime Industry</b> <i>Mr Arran Mckinty</i>
11.25 – 11.35	<b>O - 23: Unboxing Ireland's Pandemic Preparedness with Exercise PANDORA: A National Command Post Exercise to Test the Operational Pandemic Plan</b> <i>Dr Fiona McGuire</i>
11.35 – 11.45	<b>O - 24: Bonfire night and air quality - an assessment of the impact in Wales</b> <i>Miss Harriet Hallum</i>
11.45 – 12.00	<b>Q&amp;A</b>
12.00 – 12.45	<b>Keynote Presentation: What We Got Wrong in the Pandemic and What We Can Do Better Next Time</b> <i>Professor Martin McKee, Professor of European Public Health</i>
<b>12.45 – 14.15</b>	<b>Lunch and Poster Session</b>
13.15 – 14.15	Poster Presentations - Dedicated Poster Session ○ <i>Poster Presenters to stand at posters to discuss with attendees</i>
<b>14.15 – 15.45</b>	<b>Session 6: Vaccine Preventable Diseases and Immunisation</b> <i>Chairs: Dr Gavin Dabrera &amp; Dr Merav Kliner</i>
14.15 – 14.25	<b>O - 25: The 2024 pertussis incident in England</b> <i>Ms Sonia Ribeiro</i>
14.25 – 14.35	<b>O - 26: Impact of vaccination on pertussis-related hospital admissions in children in Scotland; a cohort study</b> <i>Mr Taimoor Hasan</i>
14.35 – 14.45	<b>O - 27: The impact of HPV vaccine disinformation and misinformation in disadvantaged educational settings in Ireland: A multi-year analysis of a school immunisation system</b>

	<i>Dr Allison Deane</i>
<b>14.45 – 15.00</b>	<b>Q&amp;A</b>
<b>15.00 – 15.10</b>	<b>O - 28: Early evidence of population impact of RSV vaccination on hospitalisations among older adults in Scotland</b> <i>Mr Safraj Shahul Hameed</i>
<b>15.10 – 15.20</b>	<b>O – 29: Impact of the RSV Immunisation Pathfinder Programme in the Republic of Ireland</b> <i>Dr Michael Hanrahan</i>
<b>15.20 – 15.30</b>	<b>O – 30: Impact of vaccination on shingles-related hospitalisations in 70–79-year-olds in Scotland between 2000-2023: a retrospective cohort study</b> <i>Dr Ariadni Kouzeli</i>
<b>15.30 – 15.45</b>	<b>Q&amp;A</b>
<b>15.45 - 16.00</b>	<b>Close of Conference</b>

## Poster Presenters

Posters will be on display throughout the entire conference.

**P-01 Air pollution exposure reduction: identifying barriers to patient communication**

*Mr Paul Callow*

**P-02 From Planning to Response: UKHSA London Region's Preparedness for Response to the first UK Case of mpox clade Ib - A High Consequence Infectious Disease**

*Ms Otibho Edeke-Agbareh*

**P-03 Health profiling to reduce flood risks**

*Miss Harriet Hallum*

**P-04 Understanding what an all-hazards response means for the East of England: Findings from a five-year retrospective audit (1st April 2018 – 31st March 2023).**

*Ms Rebecca Hams*

**P-05 Population-level inequalities in knowledge and prevention of carbon monoxide poisoning, Wales, UK.**

*Miss Amber Horton*

**P-06 Withdrawn**

**P-07 Cyanide Spill in a Canal - how the UKHSA supported the incident response and recovery**

*Dr Clare Brehmer*

**P-10 Supporting Staff Wellbeing During Outbreak Response - Reducing the Impacts of Vicarious Traumatism in Public Health Workers**

**P-11 Revisiting the association between transportation noise and heart disease: an updated systematic review and meta-analysis**

*Dr Owen Williams*

**P-12 A rapid evidence review of the evidence for the health effects of noise from wind turbines 2020-2024**

*Dr Lisa Woodland*

**P-14 A new system for enhanced surveillance of Severe Acute Respiratory Infection (SARI) at sentinel ICUs across Scotland: A programme evaluation, assessment of trends, and outcomes.**

*Dr Kehinde Akin-Akinyosoye*

**P-15 Evidence synthesis to provide new estimates of the case fatality rate of clade I mpox**

*Dr Jacob Asplin*

**P-17 Automated surveillance tool for rapid detection of Shiga Toxin-Producing Escherichia coli (STEC) to support and improve public health actions**

*Ms Andreea-Camelia Chirita*

**P-20 Mortality indicators associated with invasive group A streptococcus (iGAS) disease in Scotland**

*Mr Ebrahim Ghaderi*

**P-21 Increase in community acquired Legionnaires' disease in Scotland, 2022 to 2024**

*Mr Ebrahim Ghaderi*

**P-22 Molecular epidemiology of Mycobacterium tuberculosis in Northern Ireland: first national insight using whole genome sequencing**

*Dr Abbie Harrison*

**P-23 Investigation and control of an increase in hepatitis A cases in Greater Glasgow and Clyde, autumn 2024**

*Dr Lucasz Henszel*

**P-27 Prevalence and impact of respiratory illness on UK healthcare workers over three winters, 2022-2025: SIREN cohort study**

*Ms Katie Munro*

**P-28 From Screening to Vaccination and Outcomes: Development of a New Comprehensive Surveillance System for Hepatitis B in Pregnancy and Infancy in England**

*Ms Claire Sharp*

**P-29 Changes in TB diagnosis during the Covid-19 pandemic in Yorkshire and the Humber: an exploratory analysis of surveillance data.**

*Dr Alex Thompson*

**P-30 Development of a new surveillance tool to support regional measles response.**

*Ms Isobel Todd*

**P-31 Health Protection Needs Assessment for People Seeking Asylum, in Temporary Initial Accommodation**

*Ms Rosalie Allison*

**P-32 Transforming the North West London TB Cohort Review to improve overall quality of care**

*Ms Sara Atkin*

**P-33 Initial Health Screening in a Large UK Asylum Seeker Setting: Outcomes, Challenges, and Implications (2023-2025)**

*Dr Ravikumar Balakrishnan*

**P-34 How a quality improvement approach can support health protection teams to manage reactive work: experiences from Greater Glasgow and Clyde**

*Ms Hilda Crookshanks*

**P-35 System challenges in managing clade 1b mpox cases in south London, 2025**

*Ms Louise Bishop*

**P-36 A decision-making model for public health authorities in circumstances of potentially high public risk**

*Mrs Yimmy Chow*

**P-37 A review of UKHSA guidance against the first WHO recommendations on the principles of contact tracing**

*Mr Stephen Flanagan*

**P-38 An evaluation of acute respiratory illness outbreaks in residential care facilities in the HSE Dublin and Southeast Region in January 2025**

*Mrs Laura Fennell*

**P-39 Working with the NHS to Address Long Standing Gaps in Health Protection**

*Mrs Jo Cole*

**P-40 The East Midlands Health Protection Assurance Framework – creating a continuous improvement cycle of assurance and quality improvement**

*Miss Nadine Hilliard*

**P-41 Working towards a stronger health protection system - leadership for system change**

*Dr Jo Cole*

**P-42 Tender conversations: workforce wellbeing and communication skills in the event of death and loss**

*Ms Alix Johnson*

**P-43 Improving communication and collaboration between the Four Nations of the United Kingdom (UK) and international partners following the UK leaving the European Union**

*Mr Chris Lucas*

**P-44 Evaluating the impact of a lower risk tolerance approach to Shiga toxin-producing E.coli (STEC) case management in Northern Ireland**

*Dr Patrick McAleavey*

**P-46 Improving the health protection safeguarding response for vulnerable families during the 2024 measles outbreak: The importance of professional curiosity and escalation**

*Ms Natalie Pedersen*

**P-47 Making Manchester Fairer: advocating for Manchester residents with TB – a local authority approach**

*Mrs Christine Raiswell*

**P-48 An innovative, partnership approach to iGAS outbreak response: Development of a practical Toolbox to improve service quality**

*Dr Alyssa Ralph*

**P-49 Qualitative review of experiences of people engaged in sex work and services working with sex workers in Walsall.**

*Mr Nigel Smith*

**P-50 Building foundations for quality**

*Mrs Jane Careless*

**P-51 Updating the communicable disease outbreak management guidance**

*Mrs Jane Careless*

**P-52 The Impact of Notification Delays on Duration of Care Home Influenza Outbreaks in Yorkshire and Humber**

*Dr Nicholas Aigbogun*

**P-53 Five active TB cases; Multi-agency response to a complex TB outbreak in a prison setting**

*Dr Luke McGeoch*

**P-54 Invasive Group A Streptococcus (iGAS) Outbreak in a London Care Home**

*Ms Rosanna Buck*

**P-55 Two in one - managing a concurrent cryptosporidium and norovirus outbreak at a UK Holiday Park**

*Dr Sarah Busby*

**P-56 An outbreak of B. stabilis ST1565 linked to contaminated non-sterile ultrasound gel use.**

*Dr Aideen Carroll*

**P-57 Joint working with local authority partners to reduce transmission of zoonotic infections during public visits to farm animal attractions**

*Ms Helen Corrigan*

**P-58 The control of an outbreak of invasive Group A streptococcus in a care home in Lincolnshire**

*Mrs Natalie Davison*

**P-59 Multi-agency response to an outbreak of co-circulating invasive group A streptococcal disease and chickenpox: lessons learned**

*Dr Clare Foster*

**P-60 A cross-sectional study into the prevalence of H1N2v and exposures to pigs, among staff at a veterinary establishment, 2023**

*Ms Florence Halford*

**P-62 Cryptosporidium outbreaks associated with recreational farm/animal contact settings, 2015-June 2024**

*Dr Hope Hughes*

**P-63 The Eat-Out-to-Help-Out incentive: a trigger for gastrointestinal infections in England, 2020?**

*Mr Reece Jarratt*

**P-64 Incident management of the regional pertussis outbreak in Northern Ireland in 2024**

*Mrs Ashling Kerr*

**P-66 Outbreak of invasive and non-invasive Group A Streptococcus (GAS) emm type 33.17 in a vulnerable population in the South West of England: environmental considerations**

*Ms Sarah Leaver*

**P-67 Concurrent outbreaks of Escherichia coli O157:H7 and O157:H39 with high asymptomatic carriage of other Shiga-toxin producing E. coli in nursery children in South-East Scotland**

*Mr Graham Mackenzie*

**P-68 A multiagency investigation of an outbreak of two foodborne botulism cases from the same household at an extra care housing facility in the West Midlands**

*Bhavini Patel*

**P-69 Investigation of a cluster of adult acute hepatitis of unknown aetiology in Greater Manchester, January-July 2024**

*Ms Eve Matthews*

**P-70 STEC in unpasteurised milk – a raw deal for consumers?**

*Dr Saqif Musafa*

**P-71 Managing a community outbreak of Shigella sonnei which affected two childcare settings, Cheshire and Merseyside, January 2024**

*Dr Pallavi Patel*

**P-72 A collaborative approach to the risk of zoonotic influenza in the UK: interim results of an enhanced surveillance programme**

*Ms Carys Rees*

**P-73 Gastrointestinal illness after possible exposure to flood water from contaminated real ale – an unusual outbreak investigation**

*Professor Jon Roberts*

**P-74 Strengthening Hygiene and Safety in Darlington Care Homes: A Targeted Approach to Mini Kitchen Compliance**

*Mr Ken Ross*

**P-76 Border health at the forefront: health protection measures implemented in England in response to Mpox and Marburg outbreak in Africa 2024/2025**

*Dr Bharat Sibal*

**P-77 Enhancing Biosecurity Awareness and Compliance in Educational and Care Settings: Addressing Challenges in Avian Influenza Prevention**

*Mrs Brian Wheelan*

**P-78 Enhanced Surveillance of Respiratory Syncytial Virus (RSV) Outbreaks in Care Homes for Older Adults in England during the 2024/25 Winter Season**

*Ms Kelly Stoker*

**P-79 Legionnaires' disease outbreak from a cold-water source in Yorkshire, 2022**

*Dr Alex Thompson*

**P-80 Investigating TB transmission across the UK prison estate over a three-year period following a cluster linked by whole genome sequencing**

*Ms Amy Trindall*

**P-81 Investigation and lessons identified from a Mycobacterium tuberculosis cluster linked to a large factory in England**

*Ms Kate Wilson*



**P-82 Dengue in travellers returning to England: initial results from a pilot enhanced surveillance system**

*Dr Jin-Min Yuan*

**P-83 A case study of a Welsh national handwashing campaign: Lessons learnt from a mass media communication campaign**

*Dr Alex Christensen*

**P-84 Scotland's HIV epidemiological landscape: working towards HIV transmission elimination**

*Ms Beth Findlay*

**P-85 Is mandatory surveillance of carbapenemase-producing Gram-negative organisms working? A surveillance evaluation, England, 2020-2023**

*Ms Lucy Findlater*

**P-86 An evaluation of Glasgow's Free Condoms by Post STI Pilot Service**

*Ms Josephine Ives*

**P-87 Public health management of suspected invasive meningococcal disease: a retrospective review of notified cases in the South West, 2023–24**

*Dr Bayad Nozad*

**P-88 What knowledge and awareness do domiciliary care workers have of antimicrobial resistance (AMR) and what are the opportunities for them to support antimicrobial stewardship?**

*Mrs Solli Larkin*

**P-89 Survey of healthcare professional's knowledge, attitudes and practices relating to AMR – analysis of NI respondents**

*Mrs Bronagh McBrien*

**P-90 Epidemiology and outcomes of Mycoplasma pneumoniae in Scotland from October 2022: Evidence from a sentinel surveillance system in the community**

*Dr Kehinde Akin-Akinyosoye*

**P-91 Winter Hospitalisation for Emergency Respiratory Conditions, HSE Dublin and South East 2020-2023**

*Ms Hannah Meehan*

**P-92 Review of hepatitis B-related mortality in Birmingham, UK**

*Dr Sandhya Santharam*

**P-93 A national data linkage study to examine the hepatitis C cascade of care in Scotland**

*Dr Eleftheria Vasileiou*

**P-94 Perspectives on the MMR vaccination programme among parents and clinicians in two London boroughs**

*Miss Melissa Barker*

**P-95 Positivity of suspected measles cases following public health risk assessment.**

*Mr Neil Bray*

**P-96 Assessing the 'Was Not Brought' rate of pneumococcal vaccination (PPV23) appointments in children 16 and under with diabetes and exploring possible reasons for non-attendance.**

*Dr Sophie El-nahas*

**P-97 Nobody ever normally offers us anything"- Filling the gap- pilot to widen access to hepatitis B vaccination for people who inject drugs**

*Ms Julie Craik*

**P-98 Evaluating the impact of the Public Health Wales Winter Respiratory Vaccines Communication Campaign 2022-23 on vaccination uptake in Wales: controlled interrupted time series methods**

*Miss Lucia Homolova*

**P-100 Northern Ireland measles outbreak 2024**

*Ms Meghan-Louise Meban*

**P-101 The 2024 pertussis incident in England**

*Ms Sonia Ribeiro*

**P-102 HPV Catch Up Campaign in the Mid-West of Ireland**

*Dr Claire Sharkey*