What are the priorities for the polio incident response?

Inequalities in coverage & vaccine engagement

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Short term priorities

Deliver IPV booster programme to children aged 1-9 in London How? Access & engagement Hackney as a case study with broader implications

Demographics: United Kingdom

2011 Census: UK Jewish population was approx 271k
 Haredi Jews constituted 12-16%¹

•Higher total fertility rates 7 births per woman (3x national average 1.8)¹

London Borough of Hackney: largest Haredi neighbourhood in UK²
 Approx 7% of population, but 22% of Hackney's child population
 Challenges & considerations for vaccination & primary care services

UK vaccination coverage³

- 2020-21 DTaP/IPV/Hib coverage at 1 year:
 - England: 92%
 - Hackney: 67.8%
 - Salford: 89.4%
 - Leeds: 90.7%
 - Bury: 92%
 - Gateshead: 95%
- 2020-21 DTaP/IPV/Hib coverage at 2 years:
 - Hackney: 77.8%
 - London: 89.4% / England: 93.8%

Local VPD outbreaks

- 2012-13 measles outbreak
- 2015 pertussis (whooping cough) outbreak
- 2018-19 measles outbreak
- 2022 poliovirus incident:
 vulnerable

- WHO Regional Office Europe methodology to integrate research into vaccine delivery
- 2014-16 WHO Tailoring Immunisation Programme North London's Haredi minority⁴
 - Unmet information needs (less digital access and need for printed info)
 COVID 10: Shift in digital access since TIP study
 - COVID-19: Shift in digital access since TIP study
 - Barriers: inaccessible and inflexible services

 Sunday clinics / local points of delivery
- Limited translation of recommendations into action: Commissioning and funding constraints⁵
- Less vaccine delivery via Haredi school system
- Localised and co-delivery models⁶
 - Hatzola & GPs co-delivered clinics, generate opportunity for local-level & shared delivery
 - Explore sustainability of local delivery methods to benefit routine child vaccinations

Ultra-Orthodox Londoners roll up sleeves to fight COVID

Hundreds of elderly members of particularly hard-hit community line up for vaccines, in hopes of reuniting with grandchildren

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By DANICA KIRKA

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Kasstan B ... Chantler T. 2022. Localising vaccination services. Vaccine. https://www.sciencedirect.com/science/article/pii/S0264410X22002018

https://www.timesofisrael.com/ultra-orthodox-londoners-roll-up-sleeves-to-fight-covid/

II. Polio Incidents & Responses: London/UK

- IPV delivery

 - Offer children aged 1-4 IPV boosters via primary care services Offer children aged 5-9 IPV boosters in designated vaccination sites / concentrated delivery-points in target areas (e.g. community pharmacies / vaccine centres) 0
- Designated vaccination sites can serve numbers but less equipped to address inequalities in tailored ways
- Designated vaccination sites viewed as being less convenient by local-level public health professionals during COVID-19 vaccination programme⁶
- Localised services considered to increase convenience and confidence, and hence uptake, among risk groups in Hacknev⁶
- Are designated vaccination sites the most effective way to approach polio vaccine engagement in the underserved minorities that are most vulnerable to circulation?
 - Past learning and on-going incident management
 - Localised delivery is not cost-neutral but may be an investment against backdrop of VPD outbreaks

III. Vaccine Engagement

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and Health Environs DHED latest report Dust a kink manher of samlet Rever Di Sorions ands Divand with a total of 845 new asses Ronted in the Ant & weeks of ICHS Steel increases in Entet Bour activity are eens seen aroos the country, with over 300 asses reported ast week (2 - 9 Eenvir) Wrasses in somet Aver are normal at this time of year as late aeroach high seaso amendy seins reported are alove asset is tend for this take of the year While this middle repert health and any resolution and any season and the season around the year while this middle report high season amendy seins reported are alove asset is tend for this take of the year While this middle represents noteflated and and here of the year while this middle of asses currently seine noteflated are of concern Last year in Environ of the ood bases of scarter Bever were notified, the Heless tabilities the are 6605



THE OUTBREAK OF MEASLES

In the USA and Cermany recently, and the subsequent articles in the press have highlighted the importance of childhood immunisations at the prescribed times. The consensus of most because is that the vaccination of children to protect them from disease, and that the reconstrom of children who can be medically vaccinated is absolutely the only responsible bourse of action. Dr Jackie Lewis of the Healthy Communities Collaborative (HCC) in factionated following the NHS schedule. This prevents outbreaks of tangerous illnesses, and ensures the safety of the whole community. The isis and worries of immunisations are far outweighed by the benefits.

Clever Mediterranean Mothers

Colore of the that and veg not too much many of the top per cent less likely to be and by the tohership of control of the period of the tohership of contentions that was period of the tohership of contentions of the total of the tohership were based on date before the tohership were based on date before to the tool of the mass percentage - calceled hom colders from eight European countries are well as increases with parents arout the childrens directly hobits Saliord Healthy Saliord Healthy Collaborative Saliord Healthy Information to the Salford Orthodox Jewish community. They aim to raise awareness and educate people about earlier recognition and presentation of cancer symptoms or risks of cardiovascular disease. Please contact the team leader elizabeth@uni.uk.net. Volunteering for the HCC is good fun and rewarding, and people are well trained in how to support people to live more healthill.



developed eczema - an early warning sign of allergies. Children should eat peanut products rather than whole peanuts because of the risk of choking



Heimisher Circular, Manchester. 2022.

- What information is counterbalancing harmful messages?
- Sustainability/continuity in resources
- Discontinued

Take Care, Manchester. Spring 2015

III. Vaccine Engagement

- Targeted misinformation: Israel/USA⁷
- Non-Haredi activists inspiring distrust and religious objections
- Reach/impact is difficult to measure > is this the primary issue?
 - Delayed uptake and timeliness may be a more strategic priority



IV. Service Evaluation

Service Evaluation of the IPV booster campaign for children aged 1-9 in London: Qualitative Study of Delivery in Hackney and Haringey

•Evaluate vaccine delivery models to increase uptake

•Has delivery of the IPV booster campaign been informed past learning in outbreak responses?

•How can the lessons of the IPV booster campaign be integrated into a long-term strategy for vaccine engagement?







Long Term Approach To Vaccine Engagement

Addressing persistent vaccine inequalities through localised approaches.

Routine services must be accessible to facilitate uptake and that is the overarching goal of delivery,

But also need to appraise what funding and provisions are required to offer tailored services for underserved populations and ensure sustainability

V. Vaccine Engagement Strategy: Developing the Knowledge We Have

- Routine delivery of vacc programme: Clear requirements of clinics (space, flexibility)⁵
- Targeted activism against vaccination (US/Israel)⁷
 - Reach is difficult to measure
 - Focusing on this 1 issue can influence interventions
- Women key decision-makers around vaccination⁸
 - Delayed uptake > timeliness rather than mass refusal
 - Parental vaccine engagement can be specific (MMR safety vs HPV adolescent sexuality > dif to IPV)
- Male religious authorities are rarely consulted and are not cited as key influences
 - Female networks consulted⁸ > placing women at the heart of the strategy

VI. Summary: Short & Long Term Goals

• Priorities of parents

Understand how Haredi parents perceive vaccination and poliovirus response as a priority (timeliness), whose opinions they value most

• Targeted communications

Urgent but reliable information. Vaccination as a way to protect the Haredi way of life. A *talmid chacham* learns best in *yeshivah*, not the sickbed

Sustainable and complementary delivery Integrate complementary delivery-pathways into existing service beyond a one-off "pop-up" clinic with specific funding arrangements

 Healthcare systems: proactive not reactive (long-term) Mechanisms to translate documented knowledge into action

Thank you!

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