



Public Health
England

PHE Knowledge & Library Services: building an interactive knowledge base for public health

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Knowledge Pathway

Information needs
Research design
Uncertainties
Open Access
Publishing

Information retrieval
Cataloguing and indexing
Resource management
Content Development
Information and records management

Critical appraisal
Information literacy
Research synthesis
Knowledge Harvesting

• Research & Evaluation
• Surveillance
• Data & Information
• Networks & Experience

Creating, Developing and Sustaining Knowledge

Building Intelligence
• Analysis
• Modelling
• Evidence synthesis

Translation Implementation

• Assessed needs
• What works
• Spread and dissemination
• Local support

Delivering outcomes: improving health and reducing inequalities

Implementation science/KT
Behaviour change
KM tools and techniques

Digital curation
Information Governance
Legal
Value and impact



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Active Knowledge Management

- Connecting people with knowledge - understanding and acting on user needs so that both explicit sources (internal and external) and implicit or tacit knowledge can be sourced, managed, delivered and used (includes the development of publication types and taxonomies)
- Knowledge and Library Services - integrated, tailored knowledge services that provide expert navigation, mediation and training to facilitate efficient knowledge translation
- Connecting people to people – so that relevant stakeholders, networks and communities can be found, mapped and connected, and the knowledge within them to be harvested





Knowledge & Library Services: 3 core areas

- National support
 - Working with national partners, eg NICE, HEE to secure access to knowledge for public health through national portals and OpenAthens
 - Reviewing user requirements in order to identifying services best delivered nationally
- Local Knowledge and Library Services
 - Working with HEE to advocate for high quality LKS at a local level, including the development of service specifications and quality standards
 - supporting and promoting skills at the local level through PHE KITs and Centres
- Connecting people with people
 - Facilitation of networks and communities, and support for knowledge translation



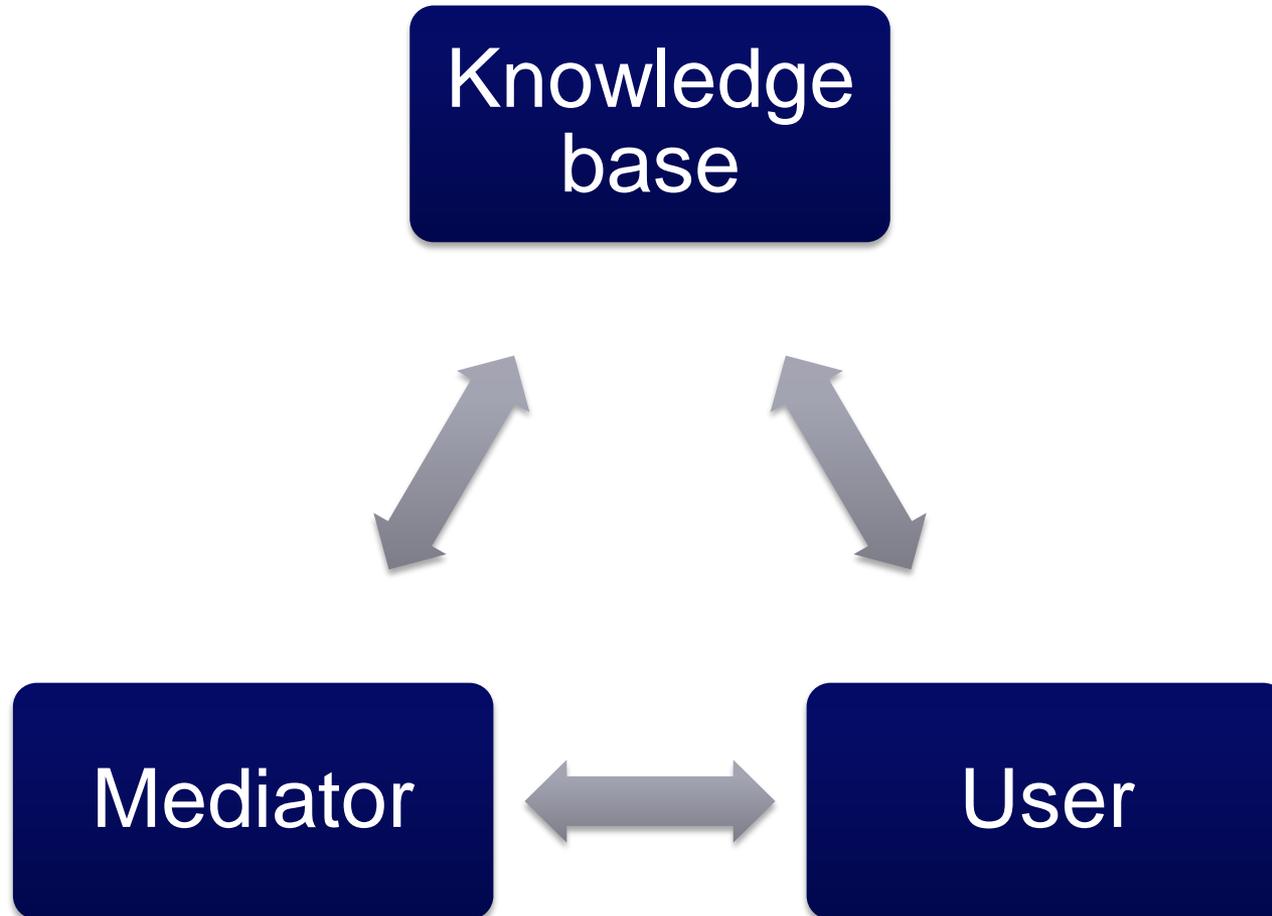
KLS for PHE

- **Knowledge & Library Service review and re-design**
 - Specialist collections and procurement
 - Tools and services to support evidence-based practice, including literature searching and tailored critical appraisal skills training, reference management, knowledge updates, etc
 - Better access and systems, ie KM Platform, Authentication
 - Managing an evidence 'system'
- **Named specialists (Knowledge and Evidence Managers)**
 - Health and Well-being
 - Health Protection
 - Population Health
 - Screening and Immunisation
 - PHE Regions, Centres etc
- **Knowledge Management Framework**

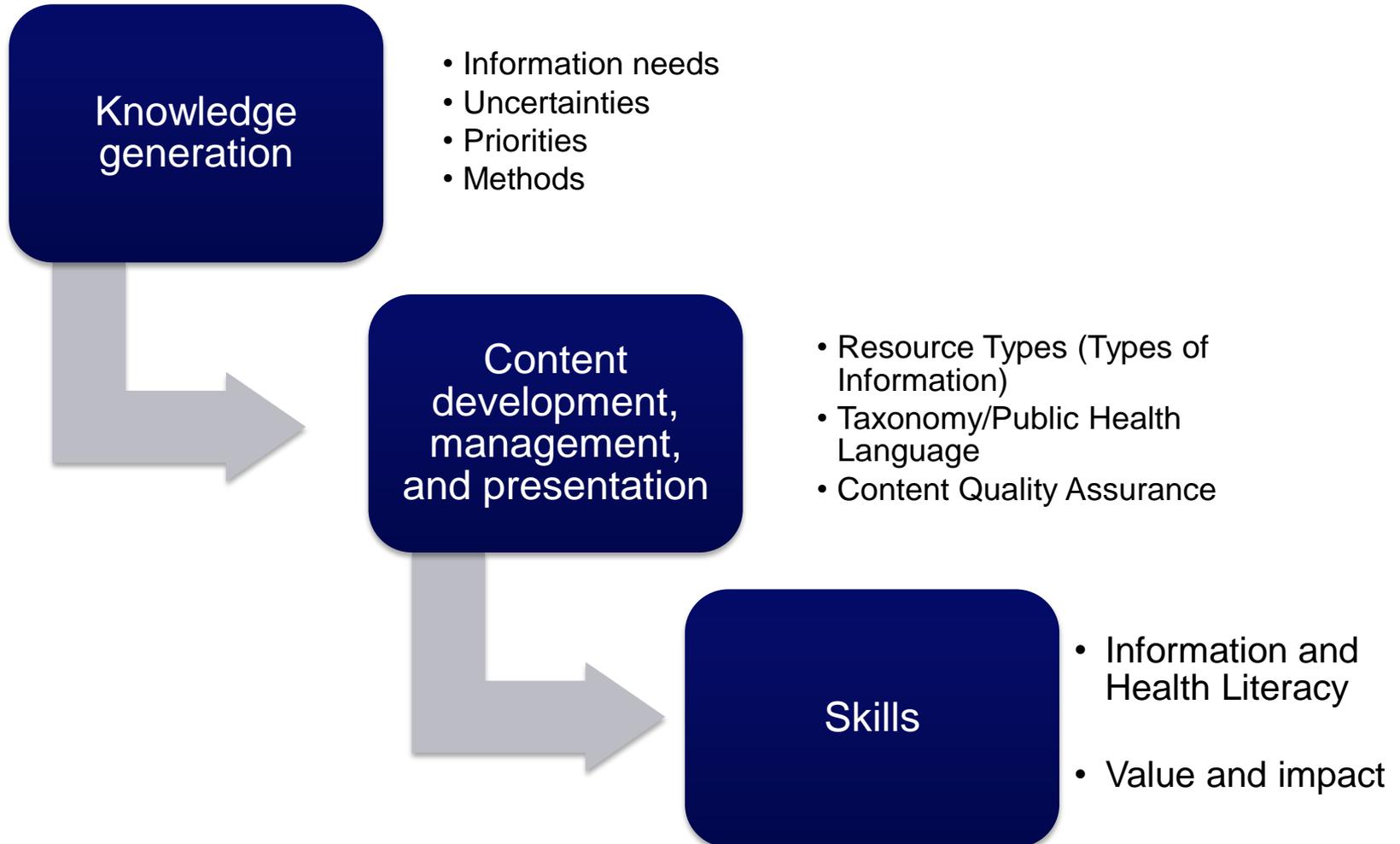




Nature of interaction



A knowledge management system for Public Health





What are the barriers to health improvement staff accessing, reviewing and using the evidence base for public health?

Accessing evidence

- Limited access to peer reviewed journals
- Not knowing where to look for credible evidence
- Not confident in use of search engines
- Unaware of how to access less traditional/academic sources of evidence – think tanks
- Access to grey literature – case studies etc.

Appraising evidence

- Applying critical appraisal skills to more theoretical evidence
- Lack of training
- Lack of Critical appraisal skills
- Time
- Access to sources
- Appraising how transferable small scale interventions might be to other settings

Synthesising and presenting evidence

- Having a strong understanding of the local conditions in order to ensure recommendations are practical.
- Understanding and alignment with the local political context
- Making recommendations attractive to LA
- How to convince of the relevance of "non-medical" models of evidence;
- Difficulty of articulating a clear and quantified cost/benefit analysis

Evaluating local programmes

- Lack of knowledge/expertise



Building confidence and competence

Accessing evidence

- Training or guidance on use of search engines and search criteria
- Guidance on databases available
- Access to and training on use of athens
- Bulletins of new research, theory, tools or methodology

Appraising evidence

- Journal club tools and guidance
- Opportunities to engage with academics and professionals regionally and nationally
- Training
- Appraisal templates/checklists

Synthesising and presenting evidence

- Common templates/ slide sets
- Sharing practice in the team – reflective sessions
- Summaries of local priorities JSNA and JHWS
- Sharing patch knowledge to understand local contexts
- Agreement to develop recommendations in partnership with local leaders to ensure locally appropriate narratives
- Via Peer networks

Evaluating local programmes

- Common evaluation approach
- Agreed process for access KIT support to support evaluation of complex and long term problems.



Key questions

- 1. Connecting People with Knowledge:** how to gather requirements for knowledge services; what skills are needed; what type of support can be provided; what is best done nationally/locally? Ways of ensuring what is already known, and who is doing what?
- 2. Knowledge Dissemination and Translation:** Who should these be for? (PHE staff? All PH staff? Multiprofessional?); What type of product/service would be most useful; how to deliver or disseminate; What are the priorities and value and impact measures?
- 3. Connecting People with Communities of Interest:** Working with us to moderate and facilitate access to the knowledge base, and develop communities for priority topic areas?
- 4. How best to support capacity at a local level:** what should PHE provide and how to support building capacity and capability in the wider systems?