

PHS01 Manage, analyse, interpret and communicate information, knowledge and statistics about health and wellbeing

OVERVIEW

This standard covers the assessment of the health and wellbeing of the population over time this includes evaluating, monitoring and communicating information, knowledge and statistics about health and wellbeing. Users of this standard will need to ensure that practice reflects up to date information and policies. Version No 1

KNOWLEDGE AND UNDERSTANDING

You will need to know and understand:

1. accessing, interpreting, applying and synthesising the following types of data and information:
 1. community and population views of health and wellbeing
 2. data on the relationship between the physical environment and health and wellbeing
 3. data on the relationship between the social environment and health and wellbeing
 4. routinely available data on reproduction, disability, illness, disease and death
 5. census data - key indicators and projections
2. how the social construction of illness (and other related concepts) may affect the analysis and make cross-comparisons between different societies
3. how to describe the health and wellbeing of local populations using secondary data and make comparisons with other populations to identify localities or groups with poor health and wellbeing
4. the need for and how to undertake direct or indirect standardisation
5. how to apply quantitative and qualitative methodologies to the assessment and surveillance of the health and wellbeing of a population including recognition of the validity, reliability and cost-effectiveness of the different methods
6. how to apply a range of different information management methodologies and statistical packages to the analysis and interpretation of health data
7. how to assess the importance of different risk factors in a given population, including socio-economic, lifestyle, ethnic and genetic factors
8. how to analyse data on time trend and geographical bases to address local issues using spreadsheet and database skills
9. the limitations of small area analysis, and how to combine small area measures with routine data

10.how to frame research questions for the collection and analysis of data and information about health and wellbeing and related needs

PERFORMANCE CRITERIA

You must be able to do the following:

- 1.formulate and agree with relevant others:
 - 1.the concepts to be used
 - 2.clear questions to be answered
 - 3.issues to be addressed
 - 4.the criteria against which progress should be measured
 - 5.how the confidentiality of information can be maintained
- 2.identify with others a range of valid, reliable, cost-effective and ethical methods for answering the questions
- 3.identify appropriate and valid sources of information about the population's health and wellbeing
- 4.define search strategies for reviewing data, information or knowledge about the population's health and wellbeing and summarising the results
- 5.identify gaps in data, information and knowledge and effective ways of addressing these gaps
- 6.collect accurate quantitative and qualitative field data when secondary data is unavailable
- 7.manage, analyse and interpret data, information and knowledge using methods appropriate to:
 - 1.the initial questions
 - 2.the nature of the data, information and knowledge
- 8.appraise and synthesise data, information and knowledge appropriately and create new information that identifies:
 - 1.consistency and inconsistency in outcomes
 - 2.any limitations in data, information or knowledge and the analyses used
- 9.continually hold issues raised about data, information and knowledge open to question so that those sections of the population who are at risk can be identified
- 10.describe problems accurately, communicate them to relevant others and make appropriate recommendations on the actions they should take
- 11.monitor data, information and knowledge at appropriate intervals and take the necessary actions as a result of this surveillance

ADDITIONAL INFORMATION

This National Occupational Standard was developed by Skills for Health.This standard

links with the following dimension within the NHS Knowledge and Skills Framework (October 2004): Dimension: IK2 Information collection and analysis