SFHPHP04
Analyse data and information about health and wellbeing and/or stressors to health and wellbeing

Overview

This standard covers analysing data and information about health and wellbeing and/or stressors to health and wellbeing. The data and information might be analysed for: ongoing monitoring; a specific study (e.g. a lifestyle survey); enhanced surveillance; or health protection. It is most likely to be relevant to those who have a significant role in.

Users of this standard will need to ensure that practice reflects up to date information and policies.

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Performance criteria

You must be able to:

P1   appraise the linked data and information and confirm that it is fit for purpose

P2   select an analytical method and related systems and software packages that are appropriate to

     P2.1   the nature and form of the data

     P2.2   the purpose for which the results are to be used

P3   structure and analyse the data and information

     P3.1   using the selected methods, systems and software packages

     P3.2   in a manner that is appropriate to the purpose and urgency of the analysis

     P3.3   appropriate to the sensitivity of the data

P4   accept or reject data and information based on

     P4.1   the work in hand

     P4.2   the extent to which it is possible to improve the data and information available given the urgency in which any particular form of data and information is required

P5   contact data and information providers when there are issues with the quality or quantity of the data and information

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Knowledge and understanding

You need to know and understand:

K1   the types of data and information:

    K1.1 community and population views of health and wellbeing needs and outcomes

    K1.2 routinely available data on reproduction, disability, illness, disease and death

    K1.3 data on the use of services (such as health and social care services)

    K1.4 data on measures to manage disability, illness and disease

    K1.5 data on the relationship between the physical environment and health and wellbeing

    K1.6 data on the relationship between the social environment and health and wellbeing

    K1.7 census data - key indicators and projections

K2   qualitative and quantitative data, how to use the two together and their respective limitations

K3   the concepts of validity and reliability in relation to the design of data analysis

K4   the range of qualitative and quantitative data analysis methods available and the purpose of each

K5   how to analyse quantitative and qualitative data validly and reliably including:

    K5.1 the use of time trend and geographical bases

    K5.2 combining small area measures with routine data

K6   how the social construction of illness (and other related concepts) may affect the analysis and make cross-comparisons between different societies

K7   the need for and how to undertake direct or indirect standardisation

K8   the purpose of and need for comparability between data sets; receiving, managing and using various data sets; the management of large and small databases and the different formats for doing this (including spreadsheets, mapping, SPSS, data manipulation, internet, producing subsets of data and information)

K9   other analytical and interpretation methods and techniques: rates, denominators, numerators, confidence intervals, parametric and non-parametric methods, certainty

K10 how to frame research questions for the analysis of data and information about health and wellbeing and related needs

K11 ethical issues and legislative requirements surrounding data and information (e.g. small numbers and confidentiality)

K12 the profile of the local area with which the worker is concerned

        K12.1 communities (neighbourhoods, communities of interest, communities of identity)

        K12.2 agencies and workers (across all sectors)

        K12.3 health and wellbeing: equalities and inequalities

        K12.4 illness: incidence, types, levels, problems and contributing factors, the likely extent of unreported illness and disability

        K12.5 structures and amenities

        K12.6 cultural diversity, community groups, formal and informal leaders, networks

K13 methods and approaches of community involvement

K14 the ways in which communication can be altered for different needs and contexts and how to respond to differences in the way that people communicate

K15 the specific legislation, guidelines of good practice, charters and service standards that relate to the work being undertaken and the impact of these on the work

K16 the services, policies and priorities of the worker's agency and how it relates to other agencies in the sector

K17 the data storage and retrieval systems used by agencies working in health improvement

K18 codes of practice and protocols about confidentiality and information sharing between agencies working in partnership

K19 own role and responsibilities and from whom assistance and advice should be sought if necessary

K20 how to apply the principles of equality, diversity and anti-discriminatory practice to work

K21 how to develop one's own competence and skills in line with changes in knowledge and practice; how the worker's area and scope of practice are changing, the evidence which is available on the work and the implications of this for their own skill and knowledge base

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Additional Information

External Links   This standard links with the following dimension within the NHS Knowledge and Skills Framework (October 2004):

Dimension: IK2 Information collection and analysis
Level: 3

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