Kent County Council
Job Description: Senior Public Health Intelligence Analyst

Directorate: **Strategic and Corporate Services**

Unit/Section: **Public Health**

Grade: **KR11**

Responsible to: **Public Health Head of Health Intelligence**

Purpose of the Job:

The post holder will be responsible for supporting the development of effective and evidence-based public health action. They will manage and deliver analytical input into the process of understanding health needs in the area, measuring health inequalities, determining priorities for public health action including Population Health Management. Working closely with a large team of public health consultants and specialists the post holder will be expected to coordinate and formulate effective analytic strategies that deliver transformational knowledge and evidence to support the emerging priorities arising from national population health management and public health policy.

The Senior Analyst will assist the Head of Health Intelligence in the provision of a robust statistical information service using data science techniques to harness the full potential of our person-level linked data source. The post holder will be expected to lead and mastermind analytic strategies, write up, and interpret the findings using innovative and effective presentation methods. You will also be expected to provide unambiguous analytic epidemiological and statistical advice to a range of technical and non-technical audiences. Furthermore, you will acquire expertise in the scope and nature of a wide range of health and health-related data and information sources, including civil registration data, National Child Measurement Programme data, Hospital Episode Statistics, ONS Population and Census data. The post holder will also provide professional supervision for our Analyst and Information Officer Observatory staff.

Main duties and responsibilities:

- Support the Head of Health Intelligence in the maintenance of a timely and high-quality data environment to enable the Council to discharge its analytic functions accurately and responsively.

- Design, specify, conduct, and manage complex analytic projects through effective liaison with senior public health and commissioning colleagues.

- To advise on matters relating to epidemiology, statistics, and analytic techniques pertaining to complex public health questions and hypothesis testing.

- To establish and maintain effective communication channels with core members of the Public Health Team (Consultants, Specialist's and Commissioning leads). Liaison will often include providing advice and expert subject matter knowledge on questions

about service evaluation, health equity audits, health needs assessments, inequality analyses, interpretation of published evidence or systematic reviews, etc.

- To provide advice on the quality and application of complex health and health-related data sources. Including the National Child Measurement Programme, Quality and Outcomes Framework, Civil Registration data (births and deaths), Hospital Episode Statistics, ONS population projections and estimates.

- To develop expertise in the application of data science techniques/applications in pursuit of public health intelligence ambitions. This may include R scripting, the use of Python programming, and presentation techniques using Tableau.

- Ensuring that the Observatory maintains its GIS capabilities and works collaboratively with other GIS specialists across the Council to maintain spatially referenced data sets.

- To write technical reports clearly and unambiguously. This will require the skill to communicate using a variety of reporting techniques to lay and professional staff groups.

- Undertake complex presentations to large groups of 20 or more on statistical and health-related matters. This will include audiences outside the Council.

- Supervise a group of Health Intelligence staff. This will include contributing to their personal development goals, work allocation, and recruitment.

- Ability to travel to meet the requirements of the service.

- Commitment to equalities and the promotion of diversity in all aspects of working.

- Awareness of the GDPR, Privacy and confidentiality.

- Staff will be expected to have an awareness of and work within national legislation and Corporate and Directorate policies and procedures relating to Health and Safety.

Footnote: This job description is provided to assist the job holder to know what his/her main duties are. It may be amended from time to time without change to the level of responsibility appropriate to the grade of the post.

The following outlines the criteria for this post.   Applicants who have a disability and who meet the criteria will be shortlisted.

Applicants should describe in their application how they meet these criteria.

	CRITERIA
QUALIFICATIONS	Knowledge and experience of statistical techniques and procedures, acquired through masters level qualification or equivalent experience
EXPERIENCE	Hands-on knowledge and experience of manipulating complex health and health-related data. This may also include data sets that encompass linked person-level. Practical experience of assessing and reporting data quality checks on complex data sets. Use of advanced statistical and epidemiological techniques for hypothesis testing, analysing, interpreting, and understanding complex data sets. Practical experience in managing and facilitating change. Experience in the training and development of others in analytic skills. Dealing with external stakeholders (technical and non-technical).
SKILLS AND ABILITIES	Knowledge and use of GIS. Knowledge and use of SQL and advanced statistical/data visualization software packages, such as SPSS, Stata or R, Tableau etc. Excellent presentation skills (technical and non-technical audiences). Conscientious and proven team worker with the ability to engage with people at all levels. Ability to motivate and manage the workload of others. Ability to work independently as well as a member of a team, to manage own workload, recognize priorities, and take a flexible approach to work. Highly numerate with skills and experience of the analysis and interpretation of data. Excellent written and verbal communication skills, with experience in disseminating information via written reports and presentations to a wide range of audiences. Project-based working, including the ability to manage conflicting priorities, work to tight deadlines.

KNOWLEDGE	Knowledge of statistical theory and practice.
	Knowledge of current public health policy.
	Knowledge of the theories of project management.
	An understanding of data security and confidentiality issues.
	Knowledge of Data Protection, GDPR, Freedom of Information and transparency and confidentiality issues.
BEHAVIOURS AND KENT VALUES	<u>Kent Values</u> Open Invite Contribution and Challenge Accountable