Kent County Council
Job Description: *Senior Public Health Intelligence Analyst*

Directorate: **Strategic and Corporate services**

Unit/Section: **Public Health**

Grade: **KR11**

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

Purpose of the Job:

You will be responsible for supporting the development of effective and evidence-based public health action. You will manage and deliver analytical support to help understand health needs, measure health inequalities and determine priorities for public health action including Population Health Management.

Working closely with public health consultants and specialists, you will formulate and deliver robust analytic support that underpins transformational change and that supports the emerging priorities arising from population health management and public health policy.

You 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. You will lead and develop analytic strategies and interpret the findings using innovative and effective presentation methods providing clear technical advice to a wide range of professional and lay audiences. You will also provide professional and management supervision for the Analyst and Information Officer staff grades within the team.

Main duties and responsibilities:

- Support and oversee the maintenance of a timely and high-quality public health 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.

- Work proactively with analytic colleagues in the wider analytic services team.

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

- Establish and maintain effective communication channels with core members of the Public Health Team (Consultants, Specialist's and Commissioning leads, and other analysts). Liaison will often include providing advice on questions about service evaluation, health equity audits, health needs assessments, inequality analyses, interpretation of published evidence or systematic reviews, etc.

- 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.

- Contribute to the development of an effective COVID recovery strategy through the deployment of timely and relevant analytic services which identify, support and help prioritise recovery action.

- Develop expertise in the application of data science techniques/applications in pursuit of public health intelligence ambitions. This may include writing SQL scripts, the use of R programming language, and dashboard development using Power BI.

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

- 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 post.

Kent County Council
Person Specification: *Senior Public Health Intelligence Analyst*

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 R and Power BI. 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 and 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.
KENT VALUES AND CULTURAL ATTRIBUTES	**Kent Values:** • We are **brave**. We do the right thing, we accept and offer challenge • We are **curious** to innovate and improve • We are **compassionate**, understanding and respectful to all • We are **strong together** by sharing knowledge • We are all **responsible** for the difference we make Our values enable us to build a culture that is: **Flexible/agile** - willing to take (calculated) risks and want people that are flexible and agile **Curious** - constantly learning and evolving **Compassionate and Inclusive** - compassionate, understanding and respectful to all **Working Together** - building and delivering for the best interests of Kent **Empowering -** Our people take accountability for their decisions and actions **Externally Focused** - Residents, families and communities at the heart of decision making