

Expert Biostatistics

Unit: Scientific Methods and Standards
Reference: ECDC/AD/2020/SMS-EB

Applications are invited for the above Temporary Agent post at the European Centre for Disease Prevention and Control (ECDC).

Job description

The jobholder will report to the Head of Section Scientific Process and Methods in the Scientific Methods and Standards Unit. He/She will be placed in the Scientific Process and Methods section in the Scientific Methods and Standards Unit.

He/She will be responsible in particular for the following areas of work:

- Collaborating with epidemiologists, infectious disease experts, public health professionals, biostatisticians and modellers at the Centre and other European and international public health and research institutions;
- Performing advanced statistical analyses of epidemiological data, developing and applying data analysis algorithms and contributing to infectious disease surveillance reports and other outputs;
- Writing and documenting code using statistical analysis software;
- Providing statistical consultation and recommending appropriate statistical analyses, developing and reviewing protocols and analysis plans/descriptions;
- Contributing to the assessment of gaps and the development and delivery of methodological guidance and training in statistics;
- Keeping abreast of scientific, methodological and policy developments in the area of statistics, modelling and infectious disease epidemiology, prevention and control;
- Any other tasks related to their area of work as requested;
- Contributing to other activities of ECDC as required, within his/her field of competence;
- May be asked to contribute to the 24/7 duty system at ECDC.

Qualifications and experiences required

A. Formal requirements

In order to be an eligible candidate you need to fulfil a set of formal requirements. These requirements are:

- A level of education which corresponds to completed university studies of at least 3 years attested by a diploma¹;
- Thorough knowledge of one of the official EU languages and a satisfactory knowledge of another official EU language to the extent necessary for the performance of his/her duties²;
- Nationality of one of the EU Member States or of Norway, Iceland or Liechtenstein;
- To be entitled to his or her full rights as a citizen³;
- To have fulfilled any obligations imposed by the applicable laws on military service;
- Meet the character requirements for the duties involved; and
- Be physically fit to perform the duties linked to the post.

B. Selection criteria

To qualify for this post we have identified **essential criteria** with regard to professional experience and personal characteristics/interpersonal skills. These are:

Professional experience/knowledge:

- At least 5 years of professional experience (following the award of the diploma), of which at least 3 years' professional experience acquired in positions relevant to the duties outlined in the job description;
- University degree in statistics, biostatistics, mathematics or related field, preferably a Master's degree;
- Excellent knowledge in advanced statistical methods and ability to apply this knowledge to the analysis of data (including study and survey design, sample size calculation, trend and time series analysis, regression and sensitivity analysis, meta and meta-regression analysis);
- Experience with large and complex datasets;
- Good understanding of Bayesian statistics;
- Good understanding of infectious disease epidemiology and surveillance;

¹ Only diplomas and certificates that have been awarded in EU member states or that are the subject of equivalence certificates issued by authorities in the said Member States shall be taken into consideration

² Candidates with a non-official EU language or English as their mother tongue must provide proof of their level of a second language with a certificate (B1 or more).

In addition, in order to be eligible for a promotion through an annual promotion exercise the staff members have to have a working knowledge of a third EU language, as described in the applicable Staff Regulations and Implementing Rules.

³ Prior to the appointment, the successful candidate will be asked to provide a certificate from the police file to the effect of non-existing criminal record.

- Excellent experience and knowledge of standard statistical packages and programming language, such as Stata and R;
- Proven skills in communicating scientific results orally and in writing to different audiences;
- Excellent level of English, both written and spoken.

Personal characteristics/interpersonal skills:

- Strong analytical, computational, and problem solving skills;
- Ability to work collaboratively in a multi-disciplinary and multi-cultural team and build strong working relationships;
- Good oral and written communication skills and ability to communicate effectively with persons from other disciplines and scientific areas;
- Results-oriented with good project management and organisational skills and ability to work under pressure;
- Ability and willingness to continuously learn.

Depending on the number of applications received, the selection committee may apply stricter requirements within the aforementioned selection criteria.

Equal Opportunities

ECDC is an equal opportunities employer and encourages applications from all candidates who fulfil the eligibility and selection criteria without any distinction on grounds of age, race, political, philosophical or religious conviction, gender or sexual orientation and regardless of disabilities.

Appointment and conditions of employment

The jobholder will be appointed on the basis of a shortlist proposed by the Selection Committee to the Director. This vacancy notice is the basis for the establishment of the Selection Committee's proposal. Candidates may be requested to undergo written tests. Candidates should note that the proposal may be made public and that inclusion in the shortlist does not guarantee recruitment. The shortlist of candidates will be established following an open selection process.

The successful candidate will be recruited as a Temporary Agent, pursuant to article 2f) of the Conditions of Employment of Other Servants of the European Communities, for a period of five years which may be renewed. The appointment will be in grade **AD 5**.

Applicants should note the requirement under the EU staff regulations for all new staff to complete successfully a probationary period.

For any further information on contractual and working conditions, please refer to the Conditions of Employment of Other Servants of the European Communities, which are available at the following link:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A01962R0031-20140501>

The place of employment will be Stockholm, where the Centre has its activities.

Reserve list

A reserve list may be created and used for recruitment, should similar vacancies arise. It will be valid until 31 December of the same year as the application deadline and may be extended.

Application procedure

To apply please send a completed application to Recruitment@ecdc.europa.eu clearly indicating the vacancy reference and your family name in the subject line of the email.

For your application to be valid you must complete all required sections of the application form, which should be submitted in Word or PDF format and preferably in English⁴. Any incomplete applications will be considered invalid.

The ECDC application form can be found on our website here:

<https://ecdc.europa.eu/en/about-us/work-us/recruitment-process>

The closing date for the submission of applications and further information regarding the status of this selection procedure, as well as important information regarding the recruitment process, is noted on our website and can be found using the above link.

Due to the large volume of applications received, only candidates selected for interviews will be notified.

⁴ This vacancy notice has been translated into all official EU languages from its English original. As the language of day-to-day operations in the Agency is generally English, ECDC prefers to receive the application in English.