



# Ollscoil Mhá Nuad Maynooth University

## Innovation Value Institute Post-Doctoral Researcher or Senior Post Doctoral Researcher (Health Data Specialist) (Specified Purpose Contract)

### The Role

Maynooth University is committed to a strategy in which the primary University goals of excellent research and scholarship and outstanding education are interlinked and equally valued.

We are seeking to recruit a Post-doctoral researcher or a Senior Post-doctoral researcher to contribute to the development of a state-of-the-art population-based analytic data system that serves multiple needs of decision support, population monitoring, and comparative effectiveness research. The position is based at the Innovation Value Institute at Maynooth University and will involve working with the RCSI School of Population Health and Department of General Practice, and with Centric Health primary care practice data group. The project presents a unique opportunity to join a multi-disciplinary group of researchers collaborating across several research groups. The project involves a unique consortium of academic, data ethics and protection experts, health system, and public health, as innovators to develop a multi-purpose registry that simultaneously serves population monitoring and management, clinical and patient decision-making to prevent and manage diabetes and reduce the burden of its complication.

### Principal Duties

#### Administrative and other duties:

This will include:

- Design and develop a trusted research data environment including specifying the technical requirements, standard procedures, and policies for secondary analyses of primary health care data for research.
- Research, Design and create the architecture, structure, elements, and definitions for an observational medical outcomes partnership (OMOP) common data model (CDM), including standard definitions and variables and develop supporting documentation.
- Collaborate with IT specialists and clinical staff to design and implement secure and scalable database solutions that accommodate large volumes of electronic health records.

- Data integration and management: Develop an approach to ensure seamless linkage, integration and management of health data from various sources, maintaining high standards of data quality and integrity.
- Documentation and training: Develop comprehensive documentation for database systems and conduct training sessions for users to ensure proper use and understanding of the system.
- Compliance and ethics coordination: Manage and oversee data privacy and security in line with GDPR and other relevant regulations
- Stakeholder engagement: Work closely with clinical partners, healthcare providers, and research teams to align database management strategies with project goals.
- Technical support and troubleshooting during the pilot phase: Provide technical expertise to end-users of the database system, resolving issues and ensuring optimal system performance.
- Project management: Be responsible for the operational management of the project ensuring the successful project execution, including overseeing the timeline and deliverables of the database aspects of the project, ensuring milestones are met and aligned with the broader project objectives.
- Develop and/or contribute to preparation of peer-reviewed publications, reports/policy briefs and presentations to stakeholders
- Explore exploitation opportunities and develop and support funding applications for subsequent projects.

#### **The ideal candidate will have:**

##### **Essential**

- PhD in a relevant discipline including health informatics, computer science, information systems, business informatics, data science or a related discipline.
- To be appointed at the grade of Senior Post Doctoral researcher, candidates must have a minimum of 2 years post PhD relevant, relative research experience.
- Significant experience in database management, particularly with health data or in a clinical setting.
- Strong technical skills in SQL, NoSQL, data warehousing, and data integration tools.
- Significant experience of clinical coding standards (e.g. SNOMED, ICD-10, ICPC-2) and common data models (e.g. OMOP)
- Proven track record of managing data in compliance with GDPR and other data protection standards.
- Excellent communication skills in English, capable of effectively interacting with a diverse group of technical and non-technical stakeholders.
- Ability to work independently and collaboratively in a fast-paced, research-oriented environment.
- Project management skills: ability to ensure that project plans are communicated and that all timelines are met.
- Self-starter with the ability to work effectively as part of a team; is cordial, tolerant and willing to help others; is cooperative and patient; shares work and information; establishes rapport, can influence and develop effective networks
- Conscientious: has a pro-active approach to work, anticipating and resolving problems in advance; has keen attention to detail, from anticipating and addressing issues in advance to understanding requests and delivering quality work with minimal errors
- Flexibility: can operate flexibly within a busy environment, can shift focus when required
- Understanding of interdisciplinary research environments, research integrity and relevant policies as well as public engagement and outreach

## Desirable

- Experience in working with health research ethics committees and understanding of ethical approval processes.
- Research experience in interdisciplinary research environment, ideally in multi-stakeholder projects.
- Demonstrate the involvement in public engagement activities
- Experience in engaged research and applying a design science oriented research methodology

## The Innovation Value Institute

The Innovation Value Institute (<http://ivi.ie>) at Maynooth University is a multidisciplinary research centre focused on digital transformation, technology management & adoption challenges. The institute was founded in 2006 and has a strong track record of industry collaboration both locally and internationally. IVI has an excellent dissemination capability including education and training and has a close working relationship with academic institutions in Ireland and internationally.

The University

## RCSI Royal College of Surgeons in Ireland

RCSI is a community of academic, research and professional staff working collaboratively to lead the world to better health. Here, you will thrive in an innovative and inclusive atmosphere and your personal development and wellbeing will be supported. We invite you to join us to help deliver on our exciting mission “To educate, nurture and discover for the benefit of human health”. We seek candidates whose experience to date has prepared them to contribute to our commitment to the [“Race Equality Action Plan 2021-2024”](#) at RCSI. Our students come from all walks of life and so do we. We hire great people from a wide variety of backgrounds, not just because it’s the right thing to do, but because it makes our university stronger and ensures we hire the best talent.

The RCSI School of Population Health is working to address the world’s population health challenges through research, education and collaboration. Multidisciplinary faculty and researchers in the School collaborate with national and international partners to develop expert knowledge and multifaceted solutions to positively impact population health. As a new school, established in 2022, we are looking to transform the way that population-level data and research platforms are deployed in Ireland to make key decisions for prevention and reduction of chronic disease burden. The RCSI Department of General Practice offers a vibrant research environment for multidisciplinary collaboration, with a broad range of experts, patients and institutions to deliver projects with direct patient benefit. Research methodologies span from qualitative projects to big data studies, prospective research, health service development projects, and synthesising available published evidence.

## Maynooth University

Maynooth University is a very distinctive university, a collegial institution focused on science and engineering, humanities, and social sciences, and equally committed to research, teaching and community engagement. Located in Ireland’s only university town, its distinctive features and character owe much to its unique history and heritage. It provides a high-quality educational experience to over 15,000 students on a campus with 18<sup>th</sup> century roots and 21<sup>st</sup> century dynamism.

The strategic trajectory and accomplishments of Maynooth University, in the 25 years since its establishment as an autonomous public university, are exceptional, and a source of great pride to the university community, staff, students and alumni. Maynooth University in 2024 ranked in the top 90 global Times Higher Education (THE) Young University rankings, placing 86th in the world. Maynooth

University's growing global reputation is based on the originality, quality, importance and impact of its research and scholarship, commitment to teaching and learning, the quality of academic programmes, and its leadership in widening participation in higher education. The sources of success are the dedication of its staff and the energy and engagement of its students.

Maynooth University is a place of lively contrasts – a modern institution, dynamic, rapidly-growing, research-led and engaged, yet grounded in historic academic strengths and scholarly traditions. With over 15,000 students Maynooth offers a range of programmes at undergraduate, postgraduate and doctoral level in the humanities, science and engineering and social sciences, including business, law and education. The University also offers a range of international programmes and partnerships.

Maynooth's unique collegial culture fosters an interdisciplinary approach to research, which its world-class academics bring to bear in tackling some of the most fundamental challenges facing society today. The University's research institutes and centres consolidate and deliver this impact as vibrant communities of learning, discovery and creation. Research at Maynooth also is very much central to its teaching and the University prides itself on placing equal value on its research and teaching missions.

### **Maynooth University's Values**

Our values define who we are, what we believe in and how we act as a community. They underpin our future success and guide our expectations of ourselves and each other. Our values apply to everyone in the University community:

- Integrity
- Collegiality
- Responsibility
- Freedom of expression
- Ambition

### **Maynooth University Strategic Plan 2023 – 2028**

The University's Strategic Plan 2023 - 2028 builds on our rich academic history and strong foundations to set out an ambitious and forward-looking path for the future of our University. This roadmap underscores our commitment to adapt to a changing world while staying true to our values.

Our vision is to be a university of excellence, opportunity and impact, having a significant stake in all three.

**For more information about Maynooth University's future direction, please visit:**  
**<https://strategy.maynoothuniversity.ie/>**

### **Plean Straitéiseach Ollscoil Mhá Nuad 2023 - 2028**

Tógann Plean Straitéiseach na hOllscoile 2023 - 2028 ar ár stair acadúil shaibhir agus ar ár mbunchlocha láidre chun conair uaillmhianach agus cheannródaíoch a leagadh amach do thodhchaí ár nOllscoile. Soiléiríonn an treochlár seo ár dtiomantas do dhul i dtaithe ar dhomhan atá ag síorathrú agus ár ngníomhaíochtaí a chur in oiriúint dó, agus san am céanna a bheith dílis dár luachanna Ollscoile. Is í an fhís atá againn a bheith mar ollscoil feabhais, deiseanna agus tionchair, agus lámh láidir a bheith againn i ngach ceann de na trí ghné seo.

**Léigh anseo le haghaidh breis eolais faoi thodhchaí Ollscoil Mhá Nuad:**  
**<https://strategy.maynoothuniversity.ie/?lang=ga>**

## Selection and Appointment

- Only shortlisted candidates will be invited to attend for interview;
- Candidates invited for interview will be required to make a brief presentation;
- Appointments will be approved by the President based on the report of the selection board;
- It is anticipated that interviews will be held in late August or September 2025;
- The appointment is expected to be effective from 1<sup>st</sup> of October 2025 or as soon as possible thereafter.

## Equality and Diversity

Maynooth University actively works to ensure equality, celebrate the diversity of our community, and promote inclusion. To learn more about our commitment to Equality and Diversity, please read the Maynooth University [Equality and Diversity Policy](#) / [Polasaí Comhionannais agus Éagsúlachta](#), our policy on the [Employment of People with Disabilities](#), and our [Gender Equality Action Plan 2023-2026](#). We aim to reflect the diversity of the community we serve and welcome applications from all individuals across our society.

## Terms and Conditions

<b>Tenure</b>	This a full time, temporary post for a specified purpose, anticipated to be 12 months duration.  Project end date is anticipated to be 02/04/2028
<b>Location</b>	The place of work is the campus of Maynooth University, Maynooth, Co. Kildare.
<b>Salary</b>	Post Doctoral Researcher (2025) €45,847 - €52,339 (6 points) Senior Post Doctoral Researcher (2025) €53,770 - €58,470 (4 points)  Appointments will be made in accordance with public sector pay provisions.
<b>Hours of work</b>	A 37-hour working week is in operation in respect of full-time positions (pro-rated for part-time positions).  This can be reviewed or adjusted from time to time through national agreements.
<b>Annual Leave</b>	Annual leave and public holidays are provided for in the University policy: <a href="https://www.maynoothuniversity.ie/human-resources/policies/annual-leave-policy">https://www.maynoothuniversity.ie/human-resources/policies/annual-leave-policy</a>  Annual leave will be allocated on a pro-rata basis for part-time and temporary positions.
<b>University policies and schemes</b>	Employees of the University will be subject to the terms of the University policies and schemes, available on the University website at:  <a href="https://www.maynoothuniversity.ie/university-policies">https://www.maynoothuniversity.ie/university-policies</a>  <a href="https://www.maynoothuniversity.ie/human-resources/policies">https://www.maynoothuniversity.ie/human-resources/policies</a>



<b>Pension</b>	This is a pensionable post. Employees of the University will enter into a public sector pension scheme, and as such, applicants must ensure they are eligible to become a member of a public sector pension scheme for the duration of the appointment. Details of the public sector pension schemes are available at: <a href="https://www.maynoothuniversity.ie/human-resources/pension-information">https://www.maynoothuniversity.ie/human-resources/pension-information</a>
<b>Eligibility</b>	<p>Applicants should note that eligibility is determined by the Department of Enterprise, Trade and Employment. Further information regarding eligibility is available at: <a href="https://enterprise.gov.ie/en/what-we-do/workplace-and-skills/employment-permits/employment-permit-eligibility/">https://enterprise.gov.ie/en/what-we-do/workplace-and-skills/employment-permits/employment-permit-eligibility/</a></p> <p>Non-EEA applicants are responsible for ensuring they can secure a visa to travel to Ireland. Any offer of employment is conditional on applicants securing the appropriate employment permissions.</p> <p><b>Former Irish Public Service employees - Certain Restrictions on Eligibility</b></p> <p>Eligibility of applicants formerly employed by an Irish Public Sector body, and who availed of an Irish Public Service Redundancy or Incentivised Retirement Scheme under the Schemes below, may be affected:</p> <ul style="list-style-type: none"> <li>• Collective Agreement: Redundancy Payments to Public Servants</li> <li>• Incentivised Scheme for Early Retirement (ISER)</li> <li>• Department of Health and Children Circular (7/2010)</li> <li>• Department of Environment, Community &amp; Local Government (Circular Letter LG(P) 06/2013)</li> </ul> <p>Applicants should ensure that they are eligible to be re-engaged in the Irish Public Service under the terms of such Schemes. Applicants should address queries with their former Irish Public Sector employer.</p>
<b>Garda vetting</b>	Garda vetting or clearance may be required by the University.
<b>Medical</b>	The University may require a medical examination as a condition of employment.

## Data Protection Law

Applications to the University will be treated in accordance with the University Data Protection Policies. For information on the University's Data Protection Policies and Privacy Notice, please see our website: <https://www.maynoothuniversity.ie/data-protection>

## Application Procedure

### Closing Date:

23:30hrs (local Irish time) on **Tuesday, 12<sup>th</sup> August 2025**

Please note all applications must be made via our **Online Recruitment Portal** at the following link:

<https://www.maynoothuniversity.ie/human-resources/vacancies>

Applications must be submitted by the closing date and time specified above. Any applications which are still in progress at the closing time on the specified closing date will be cancelled automatically by the system.

Late applications will not be accepted.

**Maynooth University is an equal opportunities employer**

**The position is subject to the Statutes of the University**



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