

# CURRICULUM VITAE

**Mary B. Codd. MB,BCh,BAO, MPH, PG Dip.Stats., MD, PhD, FFPHMI, PC UT&L**  
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## Current Appointment & Positions

06/2016 – Present	Associate Professor of Epidemiology & Biostatistics School of Public Health, Physiotherapy & Sports Science, University College Dublin
07/2015 – Present 07/2016 – Present	Director, Centre for Support & Training in Analysis & Research (CSTAR), UCD Programme Director, UCD Master of Public Health Programmes

## Education, Qualifications & Professional Development Courses

<u>Years</u>	<u>Qualification</u>	<u>Institution / Awarding Body</u>
1974 - 1980	MB, BCh, BAO (Honours)	University College Dublin
1984 - 1986	Master of Public Health (MPH)	University of Minnesota, USA
1988 - 1989	Postgraduate Diploma (Statistics)	Trinity College Dublin
1990 - 1995	MD (Medicine)	University College Dublin
1990 - 1996	PhD (Epidemiology & Biostatistics)	University of Minnesota, USA
1994 - 1997	MFPHMI (Public Health Medicine)	Royal College of Physicians, Ireland
2015 - 2016	Professional Certificate (University T&L)	University College Dublin

### Professional Development Courses

1994	Introduction to Economics	University College Dublin
1997	Front Line Management	Irish Management Institute, Dublin
1997	Employment Law	Irish Management Institute, Dublin
1997	Public Relations / Media Skills	Irish Medical Organization, Galway
1999	European Healthcare Leadership	INSEAD, Fontainbleu, Paris
2000	European Healthcare Leadership	The King's Fund, London
2000	Teaching Effectiveness	T&L, University College Dublin
2000/02	Health Services Management Programme	Trinity College Dublin
2008	Campus Company Development Programme	Nova UCD
2009	Performance Mgmt Development System	UCD Professional Development
2010	Research Ethics Masterclass	Beaumont Hospital Dublin
2010	Assessment Design: Alternative Methods	UCD Teaching & Learning
2015	Dealing with Distressed Students	UCD Professional Development
2015	Mentoring Seminar	UCD Professional Development
2016	Excellent Mentorship	UCD Professional Development
2016	Statistical Consultancy	Royal Statistical Society, London
2019	Performance for Growth (P4G), Reviewer	UCD Professional Development

## Membership of Professional Organisations

1980 – present	Medical Council of Ireland
1980 – present	Medical Protection Society
1990 – 1995	European Breast Cancer Network (EBCN)
1995 – 1998	International Cancer Screening Network (ICSN)
1994 – 2000	International Epidemiology Association(IEA)
1995 – present	Irish Cardiac Society (ICS)
1997 – present	Faculty of Public Health Medicine of Ireland(FPHMI)
2008 – present	ASPHER (Association of Schools of Public Health in the European Region)
2014 – present	EUPHA (European Public Health Association)
2017 – present	APHEA (Agency for Public Health Education Accreditation)
2018 – present	Universitas 21 Health Sciences Group (Public Health Group)
2018 – present	ISSOTL (International Society for the Study of Teaching & Learning)

## **Professional Training and Experience**

### **Clinical Medicine Training and Practice Appointments**

- 1980 - 1981 Internship (Internal Medicine, Endocrinology, General Surgery, Orthopaedic Surgery)  
• Mater Misericordiae University Hospital, Dublin
- 1981 - 1983 Senior House Officer (Internal Medicine, Infectious Diseases, Rheumatology)  
• Middlesex Hospital Medical School, London, UK

### **Academic Training in Epidemiology, Biostatistics & Health Economics**

- 1983 - 1987 Research Fellow in Epidemiology & Biostatistics  
• Dept. of Medical Statistics & Epidemiology, Mayo Clinic, Rochester, MN, USA
- Graduate Student, MPH (Epidemiology) Programme  
• School of Public Health, University of Minnesota, USA
- 1990 - 1996 Doctoral Candidate in Epidemiology & Biostatistics  
• School of Public Health, University of Minnesota, USA
- 1994 - 1995 Newman Fellowship Scholar in Health Economics,  
• University College Dublin

### **Health Services Leadership and Management Appointments**

- 1989 - 2005
- Programme Manager, Eccles Breast Screening Programme (1989-1995)  
• Mater Misericordiae University Hospital, Dublin
- Health Services Fellowship (1999-2000)  
• European Healthcare Leadership Programme  
INSEAD (*Institut Européen d'Administration des Affaires*)  
Fontainebleau, Paris and King's Fund, London
- Health Services Consultant & Advisor to the Minister for Health (2000-2002)  
• Department of Health and Children, Government of Ireland
- Health Services & Business Manager (2002-2005)  
• Mater Private Hospital, Dublin

### **Clinical Research and Hospital Management Appointments**

- 1988 - 2000
- Clinical Epidemiologist, Postgraduate Medical Centre (1988-2000)  
• Mater Misericordiae University Hospital, Dublin
- Hospital Inpatient Enquiry (HIPE) Database Manager (1992-1995)  
• Mater Misericordiae University Hospital, Dublin

### **Academic Appointments**

- 07/1998 – 06/2003 Statutory Lecturer in Epidemiology & Public Health (part time)  
• Dept of Epidemiology & Public Health, University College Cork
- 09/2005 – 06/2008 Senior Research Fellow in Epidemiology  
• School of Medicine & Medical Sciences, University College Dublin
- 07/2008 – 05/2016 Senior Lecturer in Epidemiology & Biostatistics  
• School of Public Health, Physiotherapy & Sports Science, University College Dublin

## Honours, Awards and Fellowships

1970 – 1972	Leinster and All-Ireland Senior Colleges Camogie titles
1973 – 1975	Represented UCD in Senior Intervarsity Camogie Competition (Ashbourne Cup)
1990 - 1991	Health Research Board (HRB), Ireland, Training Fellowship in Epidemiology
1994 - 1995	Newman Fellowship in Health Economics, University College Dublin
1999 - 2000	Johnson & Johnson/INSEAD Partnership Award in Healthcare Leadership, Ireland
2002	Fellowship, Faculty of Public Health Medicine in Ireland, RCPI, Dublin
2016	Fellowship, Royal Statistical Society, UK
2017	Universitas 21 Health Sciences Group International Teaching Excellence Award
2018	UCD College of Health and Agricultural Sciences (CHAS) Teaching Excellence Award

## Committee Experience, Review Groups, Project Groups & Board Memberships

1987-1990	Medical Committee, Irish Heart Foundation, Dublin
1989-1995	<b>Vice-Chair</b> , Steering Committee, Eccles Breast Screening Programme, Dublin
1989-1997	Epidemiology & General Practice Committee, Health Research Board, Dublin
1992-1998	Scientific Committee, Irish Heart Foundation, Dublin
1992-2000	Mater Misericordiae University Hospital, HIPE Committee
1995-2000	Scientific Committee, European Network of Reference Centres for Screening (EUREF)
1995-2000	Epidemiology Working Group, European Network of Reference Centres for Screening (EUREF)
1995-1999	Council of the International Cancer Screening Network (ICSN), USA
1996-1999	<b>Chair</b> , International Cancer Screening Network Working Group on Quality Assurance, USA
1996-1999	<b>Co-chair</b> , National Advisory Board, Caring About Women & Cancer (CAWAC), Ireland
1998-2002	Quality Assurance Committee, National Breast Screening Programme (BreastCheck), Ireland
1997-1998	Group to Review Indicative Prescribing in the General Medical Scheme, Ireland
1997-2000	Scientific Advisory Committee, ELAN Corporation, plc, USA and Ireland
1999	Research Committee, Faculty of Public Health Medicine of Ireland, RCPI
1999	<b>Board of Directors</b> and Founding Member, Occupational Safety & Health Institute of Ireland
1999-2000	Mater Misericordiae University Hospital Health Promotion Forum
2000-2001	<b>Board of Directors</b> , Dublin Well Woman Centre, Ireland
2001-2002	National Steering Committee, Coronary Heart Attack in Ireland Register (CHAIR)
2000-2005	<b>Vice-Chair</b> , Council for Heart Disease in Women, Irish Heart Foundation
2000-2006	<b>Board of Directors</b> , Irish Heart Foundation
2001	National Health Strategy Consultative Forum, Irish Heart Foundation Representative
2004-2007	National Stroke Audit Advisory Board, Irish Heart Foundation / Dept. of Health & Children
2008-2016	College of Sciences Graduate School Board, University College Dublin
2008 et seq	SPHPSS Management Committee, University College Dublin
2008 et seq	SPHPSS Postgraduate Committee, University College Dublin
2009 et seq	Association of Schools of Public Health in the European Region (ASPHER)
2010 et seq	ASPHER Working Group on Doctoral Programmes and Research Capacities
2009 et seq	<b>Board of Directors</b> , Centre for Support & Training in Analysis & Research (CSTAR)
2012-13	Local Organising Committee for U21 Health Sciences Group meeting, UCD Sept 2013
2012 et seq	SPHPSS Teaching & Learning Committee, University College Dublin
2012 et seq	School of Medicine, MDC2 Committee, University College Dublin
2012 et seq	School of Medicine, Stage 2 Medicine Committee, University College Dublin
2014 et seq	Graduate Education Forum, UCD Graduate Studies
2015 et seq	Director & <b>Chair</b> , Centre for Support & Training in Analysis & Research (CSTAR)
2015-16	School of Medicine Clinical Research Degrees Committee
2015 et seq	European Public Health Association (EUPHA) Public Health Epidemiology Network
2015 et seq	Local Organising Committee for EUPHA meeting in Dublin in 2021
2016	Associate Dean and <b>Chair</b> of Postgraduate Research, SPHPSS, UCD
2016 et seq	<b>Chair</b> , MPH Management Committee, SPHPSS
2017 et seq	Specialty Training Committee, Faculty of Public Health Medicine, RCPI, Dublin
2017 et seq	<b>Chair</b> , SPHPSS 'UCD Festival' Committee
2018 et seq	<b>Executive Committee</b> , HRB-TMRN (Trials Methodology Research Network), Ireland
2019 et seq	<b>Board</b> , UCD Choral Scholars (from Sept 2019)

## **Record of Research, Leadership and Achievement relevant to the School's field of activity.**

### **Summary of Research Activities, Funding, Supervision Publication and Dissemination of Findings**

#### **Summary**

- Total Publications: 255
- Total Citations: > 6,000
- Google Scholar h-index 38
- Research Funding since 2009 €5.26m
- Current research funding €3.48m
- Total dissertations supervised 90
- CSTAR CPD courses on Research Methodology Biannually
- Invited Scientific Presentations over career > 80, not including scientific meetings

Expertise in Epidemiology and Biostatistics is pivotal to collaborative and successful research in the health area. This is particularly so when the research is of relevance to Public Health policy and the health and well-being of the population. This section outlines, in brief, my role and experience over many years in selected health service research activities in Ireland and internationally.

#### **Current Research Activities**

##### **Lead Investigator of the HANI (Health Analysis Network of Ireland) Consortium**

- Investigating Health inequalities in terms of Risk Factor change over time in Ireland
- HSE Funded Project
- Consortium of colleagues with specialist skills
- Compilation of relevant data from all surveys of population health in Ireland since 1998
- Analysis and production of trends over time in health risk and protective factors
- Analysis of current status of health risk and protective factors by socioeconomic group
- Report complete. National launch being planned

##### **Director of CSTAR (Centre for Support and Training in Analysis and Research)**

- Founding member of a core of expertise in research methodology to support biomedical and scientific research on a national basis, 2009
- Successful application in competitive bid for HRB grant support, €600,000 over 3 years (2009-2012)
- The remit of CSTAR includes consultation and advice on all aspects of research to a broad constituency of clients. Of particular note is the support provided for researchers in the grant application process (endorsed by the HRB)
- Following HRB grant aid period, CSTAR has become financially self-sustaining, employing two contract statisticians and one administrator. Annual income approx. €170,000
- CSTAR delivers high quality short courses on Data Management, Statistical Analysis, Use of Secondary Data, Qualitative Research and Structural Equations Models. Participants come from a broad range of disciplines. Courses are approved by RCPI for Continuous Professional Development (CPD) points.
- Board of Directors and International Advisory Board oversee all CSTAR activities and lend their expertise to the endeavor
- Negotiation and maintenance of retainers for statistical expertise with National Maternity Hospital, Our Lady's Hospital Crumlin, Temple Street Children's Hospital, the Health Products Regulatory Authority (HPRA), the Irish Social Science Data Archive (ISSDA)
- Membership of HRB-TMRN (Trials Methodology Research Network)
- Support for major Randomised Controlled Trials (See research Funding)
- Responsibility for staff management, staff, client interactions, the quality of services and financial matters

## **Examples of Previous Research Activities**

### Epidemiologist / Project Manager of the *Eccles Breast Screening Programme*, Dublin (1989-1995)

- Establishment and co-ordination of the first organized population-based screening programme for cancer in Ireland
- Innovative compilation of a Population Register of the target population (~35,000 women, aged 50-64) for invitation to screening, the rationale and strategies of which formed the basis of subsequent enabling legislation for future national cancer screening programmes *Health (Provision of Information) Act, 1997*
- Demonstration of administrative, technical, clinical and research feasibility,
- The foundation upon which *Breastcheck*, the National Breast Screening Programme, was established in 1998
- Commissioned to develop the administrative and clinical databases for *Breastcheck* (1998/99) based on expertise acquired in the pilot project and through established collaborations with members of the European Screening Network
- External collaboration with European partners as part of the 'Europe Against Cancer' Screening Network
- Member of the European Reference (EUREF) Centre Epidemiology Working Group Scientific Committee
- Presentations at the Annual European Breast Screening Network meetings
- Interdisciplinary collaborations between epidemiology, radiology, cytology, pathology, surgery, oncology
- Co-author of *European Guidelines for QA in Mammographic Screening* (2<sup>nd</sup> and 3<sup>rd</sup> Editions)
- Collaborative research with partners in Sweden, Italy and Portugal on interval cancers
- EUREF external reviewer for accreditation site visit to screening pilot project in Strasbourg, 1996
- Advisor to the German Mammography Project; Chair of the Evaluation Sub-Committee of the German Mammography Project
- Member of the International Breast Screening Network (IBSN), NIH, / Chair of QA Sub-Committee
- Collaborative research with IBSN partners on Breast Screening Programmes in 22 countries

### Epidemiological / Statistical support for Clinical Research, Mater University Hospital (1988-2000)

- Identification of the study design most appropriate to the research question
- Assistance in the development of study protocols and pre-coded data collection instruments
- Estimation of appropriate sample sizes. Selection of, and application of, appropriate statistical methods
- Computerisation of data / programming for statistical analysis
- Assistance with preparation of grant proposals, thesis proposals, abstracts, presentations and manuscripts
- Preparation and delivery of a taught programme in Research Methodology & Statistical Analysis
- Consultations emanated from every clinical department and from staff at every level
- Epidemiological /Statistical support for Hospital Administration

### Co-Chair of the National Advisory Board on Caring about Women and Cancer (1997-2000)

- Co-Chair of the National Advisory Board, with representation from gynaecology, surgery, oncology, radiotherapy, nursing and basic science
- Responsible for the design of the survey in Ireland, supervision of fieldwork, collation of data, all statistical analyses and reporting of the Irish data
- Presentations at National and European meetings of the CAWAC Study Group
- Author of the CAWAC Report for Ireland and contributor to the CAWAC Report for Europe (see Scientific Papers). Launch by President Mary McAleese

### Co-PI and Investigator of the Prevalence of Drugs of Abuse and BBV's in Irish Prisons (2010-2012)

- Collaborative project between UCD SPHPPS, NACDA and the Irish Prison Service
- In-prison survey, using questionnaires and biological samples, of randomly selected prisoners in each of 15 prisons nationwide
- National prevalence data fundamental to the provision of necessary health and counseling services in prisons.
- Co-author of the Report '*Study of the prevalence of Drugs of Abuse, including intravenous Drugs, and Blood Borne Viruses in Irish Prisons*'. 2011

**Research Funding over 10 years (2009 – 2018) €5.26m      Currently Active: €3.48m**

<b>Title</b>	<b>Funding Agency</b>	<b>Amount</b>	<b>Start</b>	<b>Duration</b>	<b>MC Role</b>
CSTAR (Centre for Support and Training in Analysis and Research)	Income Generated	€762,191	May 2012	Ongoing	Lead
COLchine for prevention of Vascular Inflammation in Non-CardioEmbolic stroke - a randomised clinical trial of low-dose colchicine for secondary prevention of Stroke. European and Canadian extension	HRB DIFA-FA-2018-006	€999,254	Dec 2018	54 mths	Co-applicant
The Use of Imputation Methods to Complete Missing Data Points: A Comparison of Methods and Study Designs in Biomedical Science	IRC	€48,000	Oct 2018	24 mths	Lead
Cold air plasma to enhance hospital hygiene leading to reduced surface bacterial counts and patient acquisition of vancomycin-resistant enterococci and Clostridium difficile infection.	HRB HRA-DI-2015-1141	€703,765	Oct 2017	36 mths	Co-applicant
HRB-Trials Methodology Research Network (HRB-TMRN)	HRB	€1,400,000	Sep 2017	48 mths	Co-applicant
Prevention of Thrombosis in Children with Univentricular and Biventricular Circulations	NCRC	€159,133	Jul 2017	36 mths	Collaborator
Analysis of Health Inequalities in terms of risk factor change over time by socio-economic status	HSE	€196,000	Jan 2017	18 mths	Lead
Using narrative data from coroners' files to determine the extent of fatal work-related vehicle collisions	IOSH (UK)	€103,975	Jan 2015	16 mths	Co-Lead
Early Retirement in the Irish labour Force - Causes, patterns and consequences.	UCD Seed Funding	€2,000	Apr 2014	16 mths	Lead
Provision of a comprehensive literature review to support the introduction of a national diabetic retinopathy screening programme in Ireland	HSE	€43,181	Jun 2012	3 mths	Lead
Study on the Prevalence of Drug Use, including Intravenous Drug Use, and Blood Borne Viruses among the Irish Prisoner Population	DCRGA; NACD; IPS	€239,378	Nov 2010	13 mths	Co-Lead
CSTAR (Centre for Support and Training for Analysis and Research)	HRB	€600,000	May 2009	39 mths	Co-applicant

**Dissertation Supervision (n=90) and Examination Experience (n=18)**

**7 PhDs Completed (Principal Supervisor)**

2009 Dr. Carla Perrotta (Argentina)  
 2012 Dr. Victor Alonge (Nigeria)  
 2013 Dr. Catherine McGorrian (Ireland)  
 2013 Dr. Sarah Gibney (Ireland)  
 2015 Dr. Sherly George (India)  
 2016 Dr. Martin Lawless (Ireland)  
 2018 Dr. Khadijah Angawi (Saudi Arabia)

**2 PhDs in Progress (Principal Supervisor)**

2018 Courtney McDermott (USA)  
 2019 Niguse Kara (Ethiopia)

**3 PhDs (Co-supervisor)**

1993 Dr. Mary Flynn (TCD)  
 1992 Dr. Amanda McCann (TCD)  
 2002 Dr. Catherine Blake (UCD)

**11 PhDs Completed (Doctoral Studies Panel)**

1999-2002 Dr. Catherine Blake (Ireland)  
 2009-2012 Dr. Aakash Shrivastava (India)  
 2011-2014 Dr. Herieth Rwezaula (Tanzania)  
 2010-2014 Dr. Shane O'Donnell (Ireland)  
 2011-2015 Dr. Patricia McNamara, TCD (Ireland)  
 2010-2016 Dr. Hala Khalil (Saudi Arabia)  
 2012-2016 Dr. Victor Mukonka (Zambia)  
 2013-2016 Dr. Catherine Fitzgerald (Ireland)  
 2013-2016 Dr. Toney Thomas, RCSI (India)  
 2015-2018 Dr. Ciara Reynolds (Ireland)  
 2015-2018 Dr. Alison Keogh (Ireland)

**4 PhDs in Progress (Doctoral Studies Panel)**

2015-Present Marian Hernon (Ireland)  
 2016-Present Tomas Barry (Ireland)  
 2016-Present Michael Eamonn Kelly (Ireland)  
 2017-Present Yanbing Chen (China)

**4 MDs (Co-supervisor)**

1996 Dr Charles McKenna (U Edinburgh)  
 1997 Dr. Terence Hennessy (UCD)  
 1998 Dr Niall Mahon (NUI Galway)  
 2000 Dr Bryan Traynor (UCD)

**PhD Theses Examined (n=18):**

Rachel Barrett (2009); Anna Louise O'Connor (2009);  
 Jane Ferguson (2009); Charles Chasela (2010);  
 Lorna Sweeney (2011); Celine Murrin (2011);  
 Aakash Shrivastava (2012); Noor Hamid (2012);  
 Orla Sheehan (2012); Carmel Conlon (2013);  
 James Fullam (2014); Karien Viljoen (2014);  
 Frances Cronin (2014); Jacqueline Burke (2015);  
 Gobnait Byrne (2015); Catherine Breen (2015);  
 Suzannah Murphy (2016); Joao Anes (2017);  
 Faith Moyo (Univ. of Witwatersrand, South Africa)

**51 MPHs Completed (Principal Supervisor)**

**2017/18**  
 Matthew Czaja (USA)  
 Jennifer Galley (Canada)  
 Ryan Johnson (USA)  
 Alan Kennedy (Ireland)  
 Arul Murugan (India)  
 Yvonne Mpofo (South Africa)  
 Katherine Stressing (USA)  
 Viktoria Wolf (Austria)  
**2016/17**  
 Alisha Besto (India)  
 Jyoti Jalan (India)  
 Keith Horne (Trinidad, Tobago)  
 Heather Burns (Ireland)  
 Iseult Harding (Ireland)  
 Joanna Tenet (USA)  
 Andrea Palmer (USA)  
 Christy Zelinski (USA)  
 Timothy Wang (USA)  
**2015/16**  
 Catherine Cronin (Ireland)  
 Fiona Lawless (Ireland)  
**2014/15**  
 Ankur Choudray (India)  
 Ronan Glynn (Ireland)  
 Margaret Harkin (USA)  
 Lillian Jin (USA)  
 Katherine Mansfield (Ireland)  
 Claire Meaney (Ireland)  
 Biruck Kebede Negash (Ethiopia)  
 Jimmy Odongo (Nigeria)  
**2013/14**  
 Breda Cosgrove (Ireland)  
 Fiona McGrath (Ireland)  
 Mima Markicevic (USA)  
 Gamuledu Nthekela (Ethiopia)  
**2012/13**  
 Samuel Hoare (Ireland)  
 Abraham Mengistu (Ethiopia)  
 Elyce McGovern (Ireland)  
**2011/12**  
 Charlene Grice (USA)  
 Savahanna Lien Wise (USA)  
 Tewodros Endailalu (Ethiopia)  
 Nnye Cynthia Letshwiti (Botswana)  
 Alambo Mssusa (Tanzania)  
**2010/11**  
 Samia Ikhlq (India)  
 Linny Kachama (Malawi)  
 Bridget Kiely (Ireland)  
 Ngozi Madu (Nigeria)  
 Ann Garry (Ireland)  
 Farah Rizwan (India)  
 James Paul Stewart (Ireland)  
 Quratulain Waheed (India)  
**2009/10**  
 Michelle Convey (Ireland)  
 Benson Jacob (India)  
 Jovita Duimo Momoh (Nigeria)  
 Michael Osasere (Nigeria)

**8 MPH Dissertations in Progress**

## Evidence of Commitment to Teaching and Learning

Submitted with this application is the Application prepared for the U21 Teaching Excellence Award 2017, which outlines in detail my teaching profile. Also included are nomination from students and references from colleagues

### Currently

**Programme Director, Master of Public Health Programme SPHPSS**

**Programme Director, Professional Certificate in Epidemiology and Biostatistics**

(a) Teaching Commitments and Responsibilities:

<i>Module Code</i>	<i>Module Title</i>	<i>Role</i>	<i>Contribution</i>	<i>Since..</i>
PHPS40550	Applied Research Methods, Data Management	Module Coordinator	100%	2009/10
PHPS40620	Graduate Research Seminar	Module Coordinator	100%	2009/10
PHPS50010	Graduate Teaching Assistant	Module Coordinator	100%	2009/10
PHPS30020	Public Health Medicine (Medicine Stage V)	Contributor	26-50%	2009/10
PHPS20010	Introduction to Epidemiology, Biostatistics & Public Health (Medicine Stage II / GEM I)	Module Coordinator	50-75%	2012/13
NMHS40410	Fundamentals of Cancer Care (School of Nursing)	Contributor	1-25%	2010/11
PHPS40040	Public Health Practice	Contributor	1-25%	2012/13
PHPS40700	BSc Human Nutrition (School of Agriculture)	Contributor	1-25%	2014/15
PHPS40570	MPH Dissertation	Module Coordinator	76-100%	2014/15
PHPS40010	Fundamentals of Epidemiology	Module Coordinator	76-100%	2015/16
PHPS40190	Biostatistics I: Quantitative & Qualitative Analysis	Module Coordinator	76-100%	2015/16
PHPS40460	Biostatistics II: Regression & Survival Analysis	Module Coordinator	50-75%	2015/16
PHPS40750	Data Management with SPSS	Module Coordinator	76-100%	2015/16
PHPS40370	Non-communicable Disease Epidemiology	Contributor	25-50%	2015/16
PHPS40040	Communicable Disease Epidemiology	Contributor	1-25%	2015/16

(b) Commitment to Curricular Development and Reform

- Three **new** Graduate modules developed in advance of the rollout of the structured PhD across the University
- Implemented in SPHPSS since 2009 (PHPS40550, PHPS40620, PHPS50010)
- These have become ‘core’ modules for PhD students in SPHPSS and other schools e.g. School of Medicine
- In PHPS40550: Develop and refine research protocols, data management plan, statistical analysis with SPSS
- In PHPS40620: Transferable skills of presentation, responses to questions, defense, critical appraisal
- In PHPS50010: Experience as tutor to undergraduate medical students, teaching assistant in SPHPSS



- **Reform** of undergraduate modules, with small group teaching (16-20 per group) for class of ~300 students
- 95% attendance at seminars (three per student). High level of engagement and satisfaction with group work
- **Reform** of the MPH curriculum, specifically Epidemiology and Biostatistics modules
- Fact finding visits to / periods spent in Harvard School of Public Health (in 2012) and University of Oxford, Nuffield Department of Population Health (in 2015) to review MPH / MSc Programme content and delivery
- Now delivering updated content, **online** continuous assessment, weekly **online** feedback on learning objectives
- Significant reform of the MPH Dissertation over the past three years, now includes structured elements, development of transferable skills and hand-on learning of computational statistical analysis

(c) Rationale and objectives for Curricular Development and Reform:

- Improved content and delivery of what should be a flagship programme in the School;
- Improved learning experience and learning environment for students;
- The need to be competitive with similar offerings elsewhere;
- A target to submit for **accreditation** from European and US Public Health bodies, APHEA and CEPH;
- Delivered the MPH programme **internationally**, in RUMC, Malaysia, 2016-2017

**As Director of the PhD Programme**

- Representative of SPHPSS on the College of Health Sciences and College of Sciences Graduate School Boards;
- In-depth knowledge of the administrative and academic structures of UCD, in particular as they relate to graduate studies;
- Member of specially-convened Graduate School Board panels for review and adjudication of specific Graduate student issues
- Module coordinator of six graduate level modules at SPHPSS;
- Supervisor and mentor for PhD, Research Master's and MPH students at SPHPSS;
- Member of the SPHPSS Postgraduate Studies Committee, 2008 – present;
- Member of the SPHPSS Teaching & Learning Committee, 2012 – present;
- Contributor to the UCD Graduate Studies PhD Forum, under the direction of the Dean of Graduate Studies, Dr. Barbara Dooley (and formerly Dr. Julie Berndsen)
- Member of the Association of Schools of Public Health in the European Region (ASPHER) Working Group on Doctoral Programmes;
- Coauthor of ASPHER Guidelines on Doctoral Programmes in Public Health, May 2013.
- Engage with students as the need arises, but in particular available as resource in the event of academic issues, personal issues, conflicts with supervisors, difficulties with examination processes or procedures
- Organize annual Supervisor Workshop for Research Supervisors in SPHPSS
- Commendation of SPHPSS PhD Programme from International Quality Review Group, April 2013: *“The structured PhD programme is highly commended for its rigorous entry standards and supported environment for students. The pastoral care provided to the students in the PhD programme is particularly noteworthy”* (Prof. M. Monaghan, UCD; Prof G. Gaus, Australia; Prof. F. Paccaud, Swiss School of Public Health)

## Health Service Leadership and Change Management Experience

### HIPE / Casemix Manager, Mater Hospital Dublin (1992-1995)

- Investigation of the processes whereby inpatient clinical activity data were collated and coded at the Mater Hospital Development and implementation of a QA system to improve data quality, including assessment of the validity and reliability of discharge summaries and ICD coding, in collaboration with clinicians and coders in each specialty
- Investigation of aspects of Day Activity, prior to that excluded from the Casemix Model (MFPHMI Thesis, 1997)
- Positive adjustments to subsequent casemix-based budgetary allocations to the Mater Misericordiae Hospital Recognised as a resource for other hospitals nationally wishing to improve the quality of their clinical data
- The model for the appointment of HIPE / Casemix co-coordinators in each of the major hospitals nationwide

### European Healthcare Leadership Programme (1999-2000)

- A constituent programme of the Executive Education Programme of INSEAD (Institut Européen d'Administration des Affaires), Paris, designed for teams from six European countries
- A programme of coursework, case studies and group work complemented by the conduct, by each national team, of a project relevant to their own healthcare environment.
- The Irish team project chosen in conjunction with advisors from the Department of Health and Children was “**Optimal allocation and utilisation of acute hospital beds for the adult population of the Northern Area Health Board, Dublin**”. The project was carried out in conjunction with the CEO's of the three major hospitals in the area and provided valuable information for the planning of acute hospital services
- This project was the forerunner of the period of secondment to carry out the National Review of Acute Bed Capacity

### Advisor to the Minister for Health on National Acute Hospital Bed Capacity (2000-2002)

- Investigation of historical and current acute hospital bed complement and activity / comparison with OECD data
- Assessment of the impact of existing factors (e.g. bed occupancy, waiting lists, delayed discharge, potential for increased day surgery) and emergent factors (e.g. population growth, projected demographic change, epidemiology of disease, increased demand for healthcare and quality) on the need for acute hospital bed capacity over the ensuing decade, in a multifactorial model
- Author of “*Acute Hospital Bed Capacity: A National Review*”, a component of the National Health Strategy, 2001

### Health Services Manager, Mater Private Hospital, Dublin (2003-2005)

Responsibilities in this post were to improve the quality of service to patients, referring physicians and other interested stakeholders, through a multifaceted approach.

#### ***Practice Routines***

- Attention to weekly schedules of clinics, laboratory sessions and other relevant activities
- Attention to the quality and timeliness of interactions between stakeholders
- Developing technological infrastructure to ensure efficient and effective clinical practice
- Developing the necessary administrative infrastructure for the same purpose

#### ***Information Technology development***

- Developmental work on DYNAMIC, the bespoke system in use for clinical and administrative data
- Introduction of Voice Recognition Software
- Training of all staff, clinical and administrative, in the use of the IT platform.
- Quality control of data entry and the use of the IT system

- Responsibility for daily, weekly and monthly computer routines, including the back-up functions
- Responsibility for the use of, and security of, internet and email facilities
- Re-organisation of the existing Medical Records filing system
- Developmental work on an Electronic Patient Record
- Development and maintenance of an inventory of computer equipment
- Responsibility for software licenses / registration where necessary

### ***Human Resources Management***

- Recruitment / Training / Management / Supervision of administrative and accounting staff
- Responsibility for staff contracts, terms and conditions, pay awards
- Weekly staff rostering, monitoring hours of work, annual leave, sick leave, maternity leave
- Maintenance of computerised records of staff training, absenteeism, annual leave issues
- Development of written policies and procedures for staff
- Periodic staff Performance Appraisal, with feedback
- Regular communication with staff / maintenance of positive staff morale. Conflict resolution

### ***Financial Management***

- Development, implementation and supervision of claims preparation and submission procedures
- Financial reconciliations of claims payments
- Supervision of, and responsibility for, daily and weekly accounting processes
- Preparation of annual accounts for external review
- Organisation of periodic meetings with Hospital Finance

### ***Facilities Management***

- Introducing and maintaining appropriate office environment practices
- Recognising and addressing risks to health and safety in the building
- Responsibility for maintenance of the facility, troubleshooting, interaction with tradesmen
- Responsibility for security, daily cleaning routines and effective disposal of waste

### **Commitment to advancing the University**

- European Accreditation of MPH Programme
- Hosting delegations from Guangdong and Indonesia
- School Lead for school participation of Health Assessments at UCD Festival
- UCD Choral Scholars / commissioned works / sponsor a choral scholar
- Participant at UCD VO activities, including Ras UCD
- UCD in the Community activities, including pro bono analysis for Balally Family Resource Centre and participation in 'Walk While You Can' (WWYC) fundraising for Motor Neurone Disease Services

### **Community Service and other activities outside the University**

I have a keen interest in the arts and a long association with music, in particular, choral music. For 28 years I have been associated with the Palestrina Choir at St. Mary's Pro-cathedral, Dublin. Commitments have included Chair of various committees (Steering, Centenary, Parent, Fundraising, Tour Organisation). I have held the position of Wardrobe Mistress at the Choir for over 20 years. Notable performance venues have included: St. Peter's Basilica, Rome (2013), Carnegie Hall, NY (2015), St. Patrick's Cathedral, NY (2009 and 2015) and many of the great Cathedrals of Europe. While I am a member of the 'backroom' staff at the Palestrina Choir, I am an active member of the Project Messiah Choir and the Blackrock Adult Choir. I have also had a long association with the UCD Choral Scholars in a supportive capacity, and as a member of the Tour Management Team on their performance tour in the USA in March 2014.

## PEER-REVIEWED PUBLICATIONS

1. McCollum DC, Mason O, **Codd MB**, O'Grady MJ. Management of type 1 diabetes in primary schools in Ireland: a cross-sectional survey. *Irish journal of medical science*, 2018. Doi: 10.1007/S11845-018-1942-7
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## BOOK CHAPTERS & INVITED CONTRIBUTIONS

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## THESES FOR HIGHER DEGREES

**Codd MB.** *Day Activity in Acute Hospitals in Ireland: History, Definition and Economics* **MFPHMI, 1997**  
Supervisor: Prof. Berna Herity, MD, FFPHMI. Dept. of Public Health Medicine & Epidemiology, UCD

**Codd MB.** *Determinants of Cigarette Smoking among Adolescent Girls in Ireland.* **PhD, 1996**  
Supervisors: Prof. Cheryl Perry PhD / Dr. Tom Sellers PhD, School of Public Health, UofM

**Codd MB.** *Epidemiology and Natural History of Idiopathic Dilated and Hypertrophic Cardiomyopathy: A Population-based study in Olmsted County, Minnesota.* **MD, 1995**  
Supervisor: Dr. Lee J. Melton, MD, MPH, Dept. of Health Sciences Research, Mayo Clinic, MN

**Codd MB.** *Epidemiology of, and risk factors for, Primary Intracranial Neoplasms: A Review of the literature and a Case-control study of Neuroepithelial Tumors in Rochester, MN, 1950 – 1977.* **MPH, 1986**  
Advisors: Prof. Leonard Kurland. MD, DrPH. Dept of Medical Statistics & Epidemiology, Mayo Clinic, MN. Prof. Russell Luepker MD, MS. School of Public Health, University of Minnesota