# Workshops

**WORKSHOP 1:   9:30 – 12:30, Tuesday 27 September 2022**

**TITLE:**   Introduction to casemix costing

**FACILITATOR:**   Kevin Ratcliffe, Department of Health, Tasmania, Australia

**WHO WILL BE INTERESTED?**   Anyone whose work is in clinical costing at any level, finance, hospital management, technical aspects of casemix, the specification of costing services or the selection of costing software packages and services.

**WORKSHOP OBJECTIVES:**

The workshop will present costing methodology and the use of costing methods, rather than examples of specific costing software. The workshop does not reference vendors or specific software solutions. Instead, the intent is to explain how the costing process works, issues that need to be resolved and provide practical examples.

The presentation makes use of simplified Excel based models to demonstrate the major aspects of the costing process. Schemas of the costing models used and demonstrated will be provided to participants following the workshop.

Each segment of the workshop introduces the costing definitions, methods and provides practical tasks to commence or improve hospital costing activities.

**WORKSHOP OVERVIEW:**

Emphasis is given to establishing costing processes. Costing activities are broken down into several steps:

- Identification of scope
- Validation poof finance files
- Structure of the costing ledger; cost centres and cost items
- Comparisons of major methods
- Overhead Direct and Indirect cost allocation methods
- Ideas for implementation or improvement

Costing methods ranging from the use of external costing relativities through RVU Costing to Microcosting using local consumption data will be presented with examples of the use of these approaches, and a discussion on the rationale for the selection of the various approaches.

**WORKSHOP 2:** **9:30 – 12:30, Tuesday 27 September 2022**

**TITLE:** A smooth introduction to casemix for newcomers

**FACILITATORS:**

- Jean Marie Rodrigues, University Jean Monnet of Saint Etienne, Saint Etienne, France, Avignon Summer School Director, International Healthcare Terminology Consultant France.
- Olafr Steinum MD and Classification expert, Diaqualos AB, Uddevalla, Sweden. Expert consultant to the Swedish Board of Health and Welfare, Stockholm and to Nordic WHO-FIC Collaborating Centre, Oslo
- Deniza Mazevska, Health Policy Analysis, Sydney Australia
- Jim Pearse, Health Policy Analysis, Sydney Australia
- Jacob Hofdijk The Netherlands Foundation Partner Casemix, The Hague, The Netherlands
- Kristiina Kahur, CEO Nordic Casemix Centre, Helsinki, Finland

**WHO WILL BE INTERESTED?** The workshop is aimed to introduce newcomers to the basics of casemix and give a taste of the schools held by PCSI. The audience is broad, from coders to decision makers.

**WORKSHOP OBJECTIVES:** To provide a comprehensive foundation in casemix, including to:

- Understand the origins of casemix and theoretical underpinnings
- Understand the various applications of casemix
- Describe principles for casemix funding and key design choices and implications
- Understand the impact of casemix on quality of care and use in quality improvement

**WORKSHOP OVERVIEW:** Each of the presenters will lead a part of the session on one of the many and varied aspects of casemix. We will start with the origins and theoretical underpinnings of DRGs and casemix followed by an overview of diagnosis and procedure clinical coding systems and terminologies that underlie casemix classifications. We will move on to cover the principles of casemix funding as well as issues surrounding the implementation of casemix systems around the world.

Extending into other uses of casemix, we will discuss how it is used in assessing and improving quality of care. As new models of care delivery emerge, casemix continues to have a role. Our workshop will include a discussion on casemix systems for integrated care.

The session will conclude with an overview of the two schools run by PCSI:

1. Casemix and health care: What you need to know and do (formerly called the Summer School); and
2. Advanced Design and Implementation of Case-Mix Funding Models (formerly called the Winter School).

**WORKSHOP 3: 9:30 – 12:30, Tuesday 27 September 2022**

**TITLE:** Health care data governance: Meeting the skills needs of information quality advocates in the health sector

**FACILITATORS:** Mary E Black (Honorary Professor, Medical School, University of St Andrews), Paul O'Connor (Human Capital Alliance), Lee Ridoutt (Human Capital Alliance)

**WHO WILL BE INTERESTED?** Those responsible for collecting, maintaining and using the collected health data, the foundation of the healthcare system.

**WORKSHOP OVERVIEW:**

All countries face the challenge of creating and sustaining structures to collect, store safely and allow appropriate access to high quality data on health service activity and outcomes. These challenges are especially prescient in low- and middle-income countries. Without good structures data integrity may be poor, the data may not be analysed (or only rarely) and the findings from analysis widely questioned.

A primary purpose of good data governance is to improve the quality of health data. This includes system wide data from primary, secondary, and tertiary care settings. However, the emphasis of low-income countries can be on the primary care sector while that of high-income countries will most likely be on the tertiary sector. There may be other differences.

Countries seek, as part of the remedy, to build the capacity of a cadre of people involved in data governance as custodians or stewards (these roles may be filled by the same person). How effectively (appropriate and comprehensive attainment of learning outcomes) and efficiently (as quickly as possible and for the least cost) this cohort of data quality champions is developed is critical for those countries wishing to build sustainable systems.

**WORKSHOP OBJECTIVES:** By the end of this workshop, participants will be able to:

1. Identify the learning needs of data stewards and custodians in countries with varying levels of development of data quality systems
2. Have an overview of the existence and availability (regional and world-wide) of appropriate learning opportunities (courses, study tours, online learning, scholarships, etc.) that could or do satisfy the identified learning needs
3. Be able to consider the gaps / deficiencies (including inefficiencies) in the current worldwide and regional availability of appropriate learning opportunities for data stewards and custodians

**WORKSHOP 4:   13:30 – 16:30, Tuesday 27 September 2022**

**TITLE:**  From casemix to clinics

**FACILITATORS:**   Prof. Dr. med. Michael, Professor for Hospital Management at the Medical School Hamburg (MSH) and CEO of inspiring-health GmbH, and colleagues

**WHO WILL BE INTERESTED?**   Clinicians dealing with casemix, IT experts, casemix economists, clinical coding staff. Ideally, participants should be knowledgeable about their local casemix system, have some clinical background and have some knowledge of data structures and content that is today mainly used for casemix.

**WORKSHOP OBJECTIVES:**   To discover the added value for clinical work and for the measurement of quality in healthcare systems that can be drawn from routinely collected casemix data.

**WORKSHOP OVERVIEW:**

In this workshop, we will learn from examples from a range of countries and discuss the ins and outs of the issues raised. We will incorporate:

- Presentations on the use of casemix data in clinical contexts
- Background information on existing methods of quality evaluation in healthcare
- Discussion to inspire participants, leading to possibilities for international collaboration

Topics that will be addressed include:

- Extending the benefits of casemix data
- Quality indicators (AHRQ, OECD, others)
- Prevalence or incidence statistics drawn out of the data
- Follow-up on local clinical improvement programmes
- Implementation of innovations
- Casemix effects of introducing new clinical practices
- Opportunities and limitations
- Are the allegations among clinical researchers real limitations or is it a question of communication culture?
- What could be done to promote multidisciplinary use of the data?
- International implications
- Where do we have data that could be used for international comparisons?

**WORKSHOP 5:   13:30 – 16:30, Tuesday 27 September 2022**

**TITLE:**   Towards patient-centred care in the health care network, share the drivers for change!

**FACILITATORS:**

- Jacob Hofdijk, The Netherlands Foundation Emeritus Partner Casemix, Utrecht The Netherlands
- Kristin Dahlen, senior adviser at the Norwegian Directorate of Health, Oslo, Norway
- Søren Vingtoft, Chief medical consultant at FIERS - Foundation for Innovation and Business Promotion in Region Zealand, Denmark
- Jim Pearse, Director Health Policy Analysis, Sydney, Australia
- Deniza Mazevska, Director Health Policy Analysis, Sydney, Australia
- Jeroen Struijs, Associate Professor at Leiden University Medical Center - Campus The Hague & Senior Researcher at RIVM, the Netherlands
- Mary E Black, Honorary Professor, Medical School, University of St Andrews

**WHO WILL BE INTERESTED?**   The workshop is aimed to introduce new ways of health care delivery, from an institutional to a patient-focused approach, and the appropriate funding, preparing for the shift from treating disease to maintaining health. The audience is hopefully broad, from providers to decision makers.

**WORKSHOP OVERVIEW:**

All around the globe policy makers are faced with controlled increases in health care costs, with growing number of patients with multiple conditions, less trained clinical personnel and a decrease of the health of their population. The sustainability of the healthcare system is at stake. Due to the enormous vested interests of the current providers, short term solutions are not available, and the holy grail to shift from treating patients to maintaining the health of the population is hard to find.

But the good news is that the COVID-19 pandemic has intensified the use of digital tools in care provision, which seems to have changed the equation. Both patients and providers have accepted the benefits of new modalities of care provision. This seems nicely to coincide with initiatives like the green deal to help to fight climate change. It will have a great impact on health care, requiring a shift to more circular operations in the sector. So the time is right to rethink the organization and delivery of health care.

The journey we started at the PCSI conference in Scheveningen, The Hague, where the conference theme was Towards a sustainable health system, will be extended by this workshop, which will focus on the imperative requirements for the introduction of health care provision in the network of care. The workshop will introduce examples of changes in health care payment and delivery, based on real life experiences in different countries with a focus on person-centred care supported by digital tools and appropriate funding. A special focus will be given to the contribution of casemix to fund the new arrangements.

The workshop will address:

- the impact of Digital Care
- from Guidelines to Integrated care
- person-centred care coordination
- towards appropriate funding
- the new role of casemix
- the drivers for change

**WORKSHOP OBJECTIVES:** The aim of this workshop is to:

- Understand the origins of integrated care
- Share best practices of digital supported care
- Identify the imperative requirements for the introduction of integrated care and its appropriate funding and key design choices for the transition and the governance
- Discuss the new dimension of casemix on quality of care and use in quality improvement

**WORKSHOP 6:   13:30 – 16:30, Tuesday 27 September 2022**

**TITLE:**  An Introduction to patient level costing and data analytics

**FACILITATORS:**

- Christian Pepin – PowerSanté
- Marc Hyndman – PowerSanté
- Charles Cockburn – PowerSanté

**WHO WILL BE INTERESTED?**   This workshop will be particularly relevant to attendees from all disciplines, from clinicians, administrators, clinical coders and informatics professionals, as it will provide an overview of patient level costing and data analysis principles using worked examples, case studies and attendee participation

**WORKSHOP OVERVIEW:**

Participants will take an active role in defining the GL and patient costing methods.  Participants, in groups, will be asked to review case studies and identify sub-optimal performance, the potential reasons for it and initiatives that may be used to overcome the problems.

Interactive participation will be encouraged through the use of question and answer sessions and workgroups.

Handouts will be provided, and the workshop will assume that participants have an awareness of Patient Costing and Data Analysis principles but little understanding of them.

**WORKSHOP OBJECTIVES:**   Following attendance at this workshop, participants will have an understanding of patient costing and data analysis principles. In particular, they will understand:

- The concept of the GL Cost Allocation process, including the concept of Overhead and Patient Care Cost Centres, the use of Cost Allocations statistics such as Floor Area, Number of Meals Served, etc, the need to refine the GL for Patient Costing purposes and the methodologies for reconciling each step
- The patient level data feeds required and their elements
- The concept of Relative Value Units (RVUs) and their application to Patient Costing
- The concepts of loading, processing and reconciling patent level and general ledger data.
- Uses of Patient Level Costing data
- Methods for analysing the variability and quality of clinical practices from the Patient Level Costing results
- Methods for analysing Patient Level Costing results to improve financial performance
- Methods for using the Patient Level Costing results to document best practice and to support value-based management of care and services

**WORKSHOP 7:   13:30 – 16:30, Tuesday 27 September 2022**

**TITLE:**   The systems, process and people underlying a patient activity data collection system

**FACILITATORS:**   Marie Glynn, Mark O'Connor Healthcare Pricing Office, HSE, Ireland

**WHO WILL BE INTERESTED?**   Delegates who are involved in the setup, training, auditing, reporting and managing of a patient classification system locally in a hospital or nationally

**WORKSHOP OVERVIEW:**   An efficient national system for collecting admitted patient activity data has several crucial parts managing different aspects of the collection. The workshop will bring the attendees through the different systems, processes, and people involved in the overall collection. The workshop will cover

- Background of coding in Ireland
- The current setup for clinical coding in Ireland
- The training opportunities and requirements for clinical coders
- The data quality work implemented as part of the data collection (including audits)
- Managing coder resources in hospitals
- Communication and collaboration with the system

Specific case studies in training, auditing and other data quality work will be outlined during the workshop.

**WORKSHOP OBJECTIVES:**

1. Describe the different parts of a national data collection system
2. Outline the components needed at the hospital level
3. Understand how clinical coders are trained and progress through their career