

# Patient Classification Systems International (PCSI)

## *Casemix and Health Care: What You Need to Know and Do*

### 28<sup>th</sup> PCSI Casemix Summer School

Avignon, France, 4<sup>th</sup> to 10<sup>th</sup> June 2022

#### Course overview

Since 1985, the Patient Classification Systems International (PCSI) has been delivering a summer school. 2022 will be the 28<sup>th</sup> year that the course has been run. It will be held in Avignon, in the south of France and the centre of Provence, offering an impressive history with modern comforts.

The school provides students with solid and comprehensive foundation in casemix, including understanding the building blocks of casemix (such as how diagnoses, procedures, demographic and other information is captured and used), as well as understanding casemix funding/ reimbursement systems, using casemix for management, costing approaches, price setting, statistics for casemix, quality of care, and perspectives on the future of casemix. It is an interactive event with students presenting casemix in their country, working on practical exercises, and playing a longitudinal 'game' during the week to integrate learnings. The school is delivered in English.

#### Who should attend?

The course is suitable for people who are using or interpreting casemix information, or charged with making decisions about aspects of casemix in their organisation. This may include managers or analysts in government organisations, trusts/ regional authorities, health service/ hospital groups, hospitals and other health services, and researchers.

The course can also be used as a refresher for people who would like to update their knowledge or skills in casemix tools and applications.

#### What should I expect to know at the end of the course?

The course offers a unique opportunity to interact with other students in similar positions around the world, thus offering exposure to a range of perspectives that you can reflect on in relation to issues faced by your own country's health system. It also provides access to faculty staff with a wealth of experience in designing and working with casemix data and classifications for funding, hospital management, costing, quality, health services planning, and a range of other applications.

At the end of *Casemix and Health Care: What You Need to Know and Do* course, you will be able to:

- Understand the origins of casemix and theoretical underpinnings.
- Understand the rationale for casemix.
- Understand the various applications of casemix.
- Describe the features of a framework to assess casemix readiness of a health care system, and use the framework to assess casemix in own health care system.
- Describe key casemix implementation decisions.
- Describe principles and performance criteria for selecting casemix classifications.

- Describe principles for casemix funding and key design choices and implications.
- Understand the use of casemix for hospital management.
- Understand the impact of casemix on quality of care and use in quality improvement.
- Understand key statistical concepts used in casemix.
- Understand the difference between clinical coding systems, terminologies and casemix classifications.
- Demonstrate basic clinical coding skills.
- Identify data quality issues associated with allocating DRGs, and review strategies for improving data quality and timeliness.
- Understand the key steps in costing, and differentiate between cost modelling and patient costing.
- Understand the importance of a base price or tariff, options for calculating a price, and compute price weights.
- Describe the uses of, and calculate, a casemix index.
- Identify cost drivers of care, as a basis for understanding casemix classifications in acute and other care types.
- Outline the key features of classification systems, payment and implementation considerations for emergency care, non-admitted specialist ('outpatient') and sub- and non-acute care.
- Outline the features and role of population based casemix systems.

A course outline is provided below. There is also a detailed program available.

### **Course outline**

**Day 1** – Foundations

**Day 2** – Technical Day 1 - the 2 pillars

**Day 3** – Technical Day 2 - the 2 pillars and statistical tools

**Day 4** – Casemix quality, Casemix around the world

**Day 5** – Casemix systems beyond acute care

**Day 6** – Consolidating learning

### **Delivery style**

The course is taught as a combination of interactive lectures, individual exercises, and small group work applying the principles and the tools learnt. In particular, there is a 'serious game', where students are organised in small groups to consider a real or imagined health care system and decide on the most effective approaches to addressing the challenges identified, using learnings from the week.

### **How will I get there?**

Avignon can be reached easily by several ways. From Paris de Gaulle, Lyon Saint Exupéry and Marseilles Provence Airports TGV (high speed train) brings you quickly in Avignon TGV station and There are also trains from major French or European cities and in summer from London. It is approximately 3 hours by train from Charles de Gaulle airport in Paris 1 hour from Lyon airport and 40minutes from Aix en Provence TGV with a shuttle from Marseilles airport.

Please arrive the day before the course starts. Doing so will provide an opportunity to meet the other students and faculty members over a light dinner (commencing at 18:00), and be ready for class the next morning (which starts at 08:30).

**Do I need to prepare beforehand?**

You will be required to present on your own country's implementation of Casemix during one of the sessions.. For those that feel slightly nervous about presenting, it is just a short presentation (up to 10 minutes) on your country, you health system and its financing including Casemix given in a friendly environment. The presentation will be from the perspective of the role that you are in, and the role of your organization. Students from the same country or organization can present as a group, with one or more nominated speakers.

There is also the serious game, which you will work on in an allocated group (determined on the first day). No preparation is required for this – it will be based on discussions with your fellow group members and on the lectures given throughout the week.

A computer can be useful but is not mandatory.

Otherwise, bring clothes suitable for a summer environment but appropriate to wear in an academic setting, and leave everything else behind to free yourself to enjoy the course.