

CODA-EU Project – Certification of Causes of Death (MOOC): the Portuguese version

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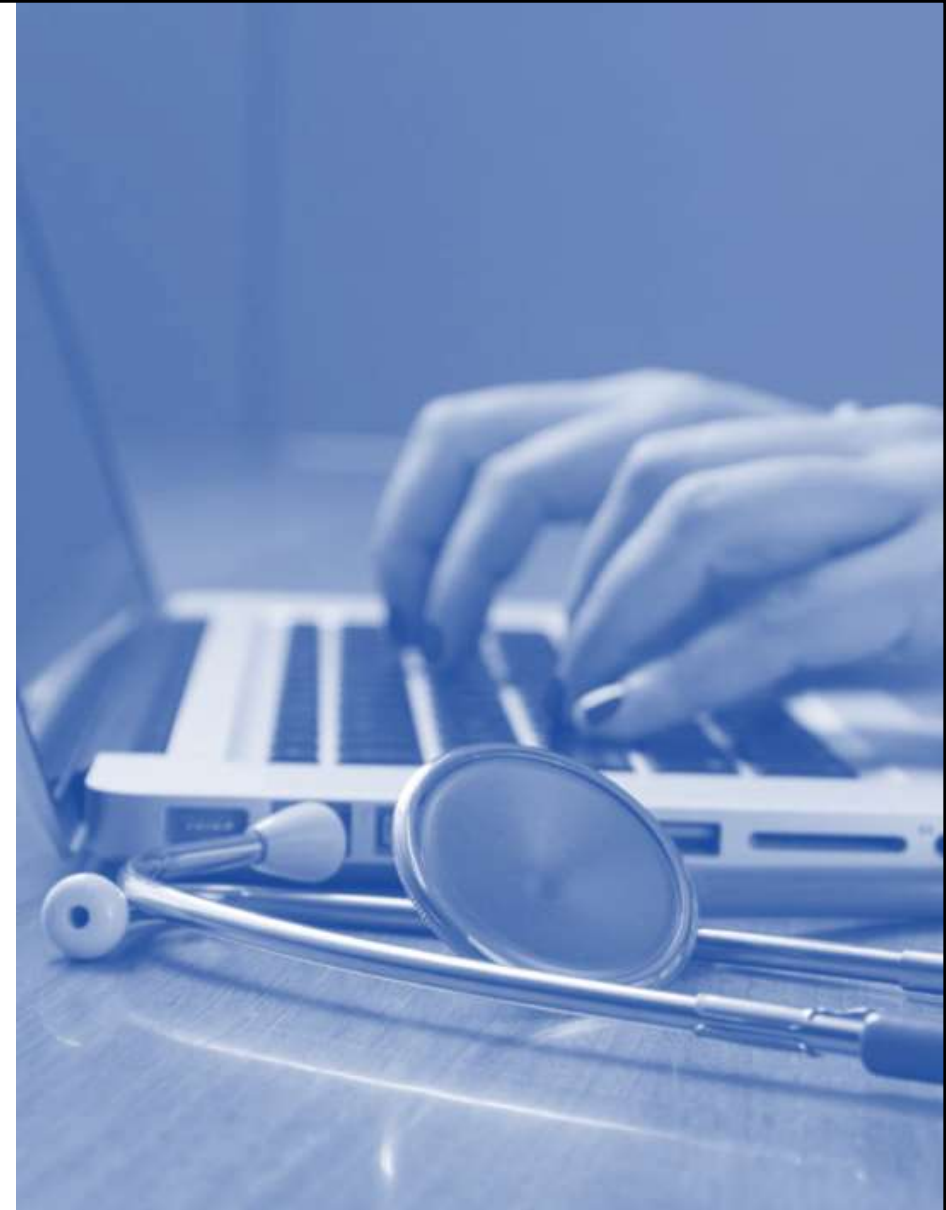
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Intr Research

Counting the dead and what they died from: an assessment of the global status of cause of death data

Colin D. Mathers,¹ Doris Ma Fat,¹ Mie Inoue,¹ Chalapati Rao,² & Alan D. Lopez²

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Objective We sought to assess the current status of global data on death registration and to examine several indicators of data completeness and quality.

Methods We summarized the availability of death registration data by year and country. Indicators of data quality were assessed for each country and included the timeliness, completeness and coverage of registration and the proportion of deaths assigned to ill-defined causes.

Findings At the end of 2003 data on death registration were available from 115 countries, although they were essentially complete for only 64 countries. Coverage of death registration varies from close to 100% in the WHO European Region to less than 10% in the African Region. Only 23 countries have data that are more than 90% complete, where ill-defined causes account for less than 10% of total of causes of death, and where ICD-9 or ICD-10 codes are used. There are 28 countries where less than 70% of the data are complete or where ill-defined codes are assigned to more than 20% of deaths. Twelve high-income countries in western Europe are included among the 55 countries with intermediate-quality data.

Conclusion Few countries have good-quality data on mortality that can be used to adequately support policy development and implementation. There is an urgent need for countries to implement death registration systems, even if only through sample registration, or enhance their existing systems in order to rapidly improve knowledge about the most basic of health statistics: who dies from what?

Keywords Mortality; Cause of death; Data collection/standards; Registries/standards; Vital statistics (source: MeSH, NLM).

Mots clés Mortalité; Cause décès; Collecte données/normes; Registre/normes; Statistique démographique (source: MeSH, INSERM).

Palabras clave Mortalidad; Causa de muerte; Recolección de datos/normas; Registros/normas; Estadísticas vitales (fuente: DeCS, BIREME).

الكلمات المفتاحية: معدل الوفيات، سبب الوفاة، جمع المعطيات، معايير جمع المعطيات، معايير السجلات، إحصاءات الأحوال المدنية (المصدر: رزوم الموضوعات الطبية - المكتب الإقليمي لشرق المتوسط)

Bulletin of the World Health Organization 2005;83:171-177.

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Introduction

To:

- A. Tackling skills/competencies gap in certification causes of death and co-existing diseases;**
- B. Recognizing competencies in managing medical documentation;**
- C. Improving digital skills and promoting innovative e-learning and assessment methods among academics;
- D. Establishing open and online educational resources relevant to societal needs in ageing societies;
- E. Starting a strategic partnership between research and academics, and institutions demographers, epidemiologists and medical doctors.



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Introduction



ERASMUS+ Project
Key Action 2 - Strategic
Partnership for
Higher Education

CODA-EU



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Aims

- The European CODA-EU project, supported by the Erasmus+ program, aims to provide an innovative learning tool (CODA) to teachers who train medical students, allowing them to improve their knowledge of recommendations and rules set by WHO on certification of causes of death.
- The second aim of this project is to set up a MOOC dedicated to university trainers and professors wishing to adapt the CODA tool to their educational objectives.

Scientific coordinator: Agnieszka Fihel - **Projet manager:** Thomas Wiest

Introduction

Project partners



University of Ioannina



CENTRUM MEDYCZNE
KSZTAŁCENIA
PODYPLOMOWEGO



UNIVERSIDADE
AbERTA
www.uab.pt



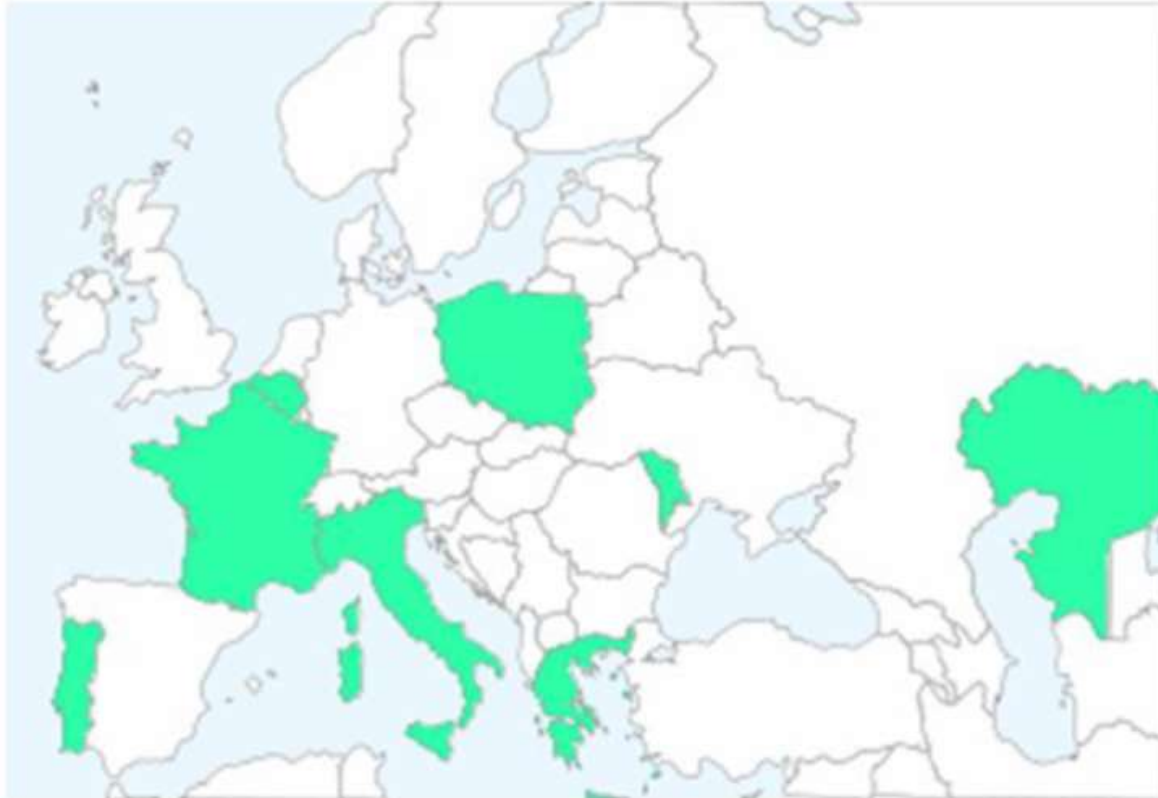
CODA-EU



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Introduction

Associate partners



- Secretary of Medical Students, Italy
- Government Population Council, Poland
- Statistics Poland, Poland
- Kazakh National University, Kazakhstan
- Nicolae Testemițanu State University of Medicine, Moldova
- Association of Medical Schools in Europe, Belgium
- Standing Committee of European Doctors, Belgium



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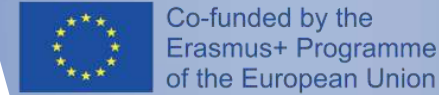
Certification of Causes of Death (MOOC)-the Portuguese version



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- It's a free online course.
- The e-learning takes place in France, Greece, Poland and Portugal - Official languages.
- The training materials were jointly prepared by experts from research and academic institutions of these four countries.
- Addressed to medical doctors, medical students and other health professionals for whom the competencies in cause-of-death certification are important.
- The course takes approximately 3 hours (including the final test).
- Final certificate for those who complete the assessment.

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Role of the Portuguese team

- Material translation and revision (text, PowerPoint, images, graphs)
- Review the Portuguese system regulation concerning death certificates by:
 - Presenting the system architecture and functioning
 - Providing guidelines on how to fill in the Portuguese death certificate form
 - Listing official Portuguese websites, manuals and legislation as supplement materials for students
- MOOC Dissemination (materials, channels)

Certification of Causes of Death (MOOC)-the Portuguese version



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| ② Introdução | ⑤ Teste final |
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Course structure

1. Initial test

2. Introduction

3. Certification of causes of death

1. ICD-10

4. Case studies (scenarios)

5. Final test

6. Resources

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Initial test

1. Indicate the underlying cause of death

Descrição do cenário

A 40-year-old man was driving a car too fast, lost control of the car and hit a tree. He suffered multiple crushing injuries leading to rhabdomyolysis. The man was taken to the intensive care unit where he died soon afterwards.

car collision with fixed or stationary object, driver injured in a traffic accident

striking against or struck by other objects, traffic accident

crushing injuries involving thorax with abdomen, lower back and pelvis

Send

Questionário inicial | 3. Indique a causa de morte subjacente

Descrição do cenário

Um homem de 70 anos caiu das escadas em casa, fraturou a tíbia e sofreu uma lesão intracraniana. O paciente morreu a caminho do hospital. A autópsia revelou hemorragia intracraniana no tronco cerebral. Tinha como antecedentes um enfarte cerebral há 10 anos.

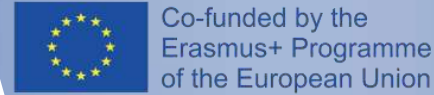
hemorragia intracraniana no tronco cerebral

lesão intracraniana

queda das escadas em casa

Resposta correta:
queda das escadas em casa

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Objetivos

Durante a formação:

Conheça a importância das informações fiáveis sobre as causas da morte;

Investigue como funciona o sistema de certificação da causa da morte no seu país;

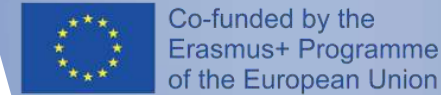
Adquira competências sobre a 10ª revisão da Classificação Estatística Internacional de Doenças e Problemas Relacionados com a Saúde;

Ganhe competências para distinguir entre a causa subjacente e direta da morte;



- Presentation of the course and its aims.
- Importance of accurate data on causes of death for health policy.

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1. ICD-10

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Module 1. Legal and organisation aspects of death registration in Portugal

- Understand the national regulations concerning stating the death and issuing the death certificate
- Know what to do in case of suspicious circumstances of death

Module 2. International Statistical Classification of Diseases and Related Health Problems

- Understand how the contents of the Classification are arranged
- Find out the specifics of four important chapters of the ICD

Module 3. The most common errors in the certification of causes of death

- Learn about recommendations regarding the choice of death causes
- Find out the most common errors when filling in the death causes sections

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SICO – “Sistema de Informação dos Certificados de Óbito”

- The official Portuguese online platform for death certificates since 2014
- It allows :
 - The dematerialization of death certificates and statistical updates on death causes
 - The update of the National Health System patient’s data
 - Online communication of death certificates to national civil registration services.



ÁREA DO PROFISSIONAL

SICO

SISTEMA DE INFORMAÇÃO
DOS CERTIFICADOS
DE ÓBITO

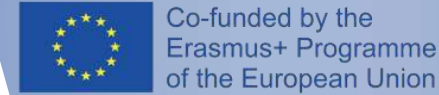
eNM

VIGILÂNCIA de
MORTALIDADE
e MORTALITY SURVEILLANCE



SPMS
Serviço Partilhado de
Medicina de Saúde

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Male, 55 years old, with a history of infection by the Hepatitis C Virus with 10 years of evolution. In the last 5 years, he developed chronic hepatitis, progressing to cirrhosis of the liver. He was admitted to the ER tachycardic (130 bpm) and hypotensive (BP 80/50 mmHg). During transport to the ER, he had several episodes of vomiting with blood. Analytically had a haemoglobin of 8.0 g/dL. He died a few hours after hospital admission. The autopsy concluded that the patient died following a hemorrhagic shock because of a rupture of oesophageal varices.



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Parte I

a) Causa directa: Indicar qual a doença, traumatismo ou complicação que levou directamente à morte *

I8501 Haemorrhagic shock

b) Devida ou consecutiva a:

I8511 Esophageal varices with bleeding

c) Devida ou consecutiva a:

K74 Fibrosis and cirrhosis of the liver

d) Devida ou consecutiva a:

B182 Chronic viral hepatitis C

Tipos de exercícios

Há três conjuntos de exercícios

Conjunto 1.

Exercises with commentaries that facilitate understanding the rules of cause-of-death certification.
11

Conjunto 2.

Exercises that require indicating the underlying cause of death. 8

Conjunto 3.

Exercises that require filling in all medical sections of death certificate. 20

Numero de exercicios: 20



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Uma mulher de 75 anos foi admitida no serviço de urgência por forte dor precordial. Tinha sido diagnosticada há 3 meses com uma neoplasia maligna do sigmoide, após colonoscopia feita em contexto de anemia persistente, mas recusou a cirurgia. No serviço de urgência, atendendo ao tipo de dor, aos níveis de troponina e aos resultados do ECG, chegou-se ao diagnóstico de enfarte agudo da parede anterior do miocárdio. Morreu um dia depois. A paciente era obesa e tinha antecedentes de hipertensão arterial com 25 anos de evolução.



Parte I	
Causa direta da morte:	
Devido a:	
Devido a:	
Parte II: Outras condições significativas que contribuem para a morte:	

anemia persistente

neoplasia maligna do cólon,
cólon sigmoide

enfarte agudo do miocárdio da
parede anterior

hipertensão arterial

obesidade

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Cenário 1

Leia a seguinte descrição e preencha a certidão de óbito.

Parte I	
Causa direta da morte:	enfarte agudo do miocárdio da parede anterior ✓
Devido a:	anemia persistente ✓
Devido a:	neoplasia maligna do cólon, cólon sigmoide ✓
Parte II: Outras condições significativas que contribuem para a morte:	
obesidade ✓	hipertensão arterial ✓



Comentário

Avançar



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Teste final | Informações introdutórias

Informações introdutórias:

Número de perguntas:	20
Nota de aprovação:	50% (10/20)
Número de tentativas:	2
Duração:	60 minutos, uma hora

Durante o teste final pode consultar a classificação CID.
A ligação à classificação pode ser encontrada no separador **RECURSOS** no canto superior direito.

Se interromper o exame e o curso, tal será interpretado como uma das duas tentativas permitidas de fazer o exame.



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Dissemination

- Seminar
- Social media
- Email
- Whatsapp

362 registrations

Started 17/04/2023

**INSCRIÇÕES SÓ ATÉ
12 DE ABRIL**

**CURSO EM E-LEARNING
CERTIFICAÇÃO DE CAUSAS DE MORTE**
PARA MÉDICOS, ESTUDANTES E OUTROS PROFISSIONAIS DE SAÚDE

Em Portugal, muitos certificados de óbito não são preenchidos de acordo com as recomendações da OMS relativamente às causas de morte, provocando fragilidades nos dados recolhidos e, conseqüentemente, dificuldades na criação de políticas adequadas de Saúde Pública, entre outras. Este curso, financiado pelo programa Erasmus+, procura conferir competências no sentido de ultrapassar esta situação.

Em português **VANTAGENS**
Gratuito, com acesso onde e quando quiser
Duração total do curso estimada em 2-3 horas
Inclui teoria, exercícios práticos, exame final e bibliografia de apoio
Após inscrição prévia aceda ao curso entre 17 e 28 de abril de 2023
Após conclusão da avaliação é emitido um Certificado Oficial

INSCRIÇÕES ATÉ 12 DE ABRIL
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Thank you

