

# Postgraduate Certificate Public Health





## Postgraduate Certificate Public Health

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/medicine/postgraduate-certificate/public-health](http://www.techtitute.com/us/medicine/postgraduate-certificate/public-health)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

In recent years, Public Health has faced constant challenges. The recent COVID-19 pandemic, as well as the presence of chronic and severe diseases, have led to a significant evolution in this field, driving the search for efficient and effective solutions. Likewise, the integration of advanced technologies in hospital management gives rise to continuous innovation, seeking new ways to improve the quality of medical services and prepare to face future challenges. Therefore, TECH has created this comprehensive 100% online program, which addresses in depth the most relevant aspects for the efficient management of healthcare centers, through the innovative Relearning methodology and multimedia and interactive content.



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*It delves into the structures of international collaboration and delves into the institutions involved, through the innovative Relearning methodology”*

In a globalized world, Public Health has emerged as a fundamental pillar. The growing interconnection between continents has intensified exposure to diseases of all kinds. This has significantly influenced the transformation of this area of knowledge, which aims to maintain balance and health security worldwide. In addition, this field addresses aspects such as nutrition, working conditions, population aging or education, directly influencing all areas of daily life. This fact shows the importance of adapting and evolving to ensure the welfare of society.

In this sense, TECH has designed a rigorous and complete university program, with the aim of deepening in the most relevant aspects of health in the XXI Century. Therefore, physicians can acquire a multidisciplinary vision, fostering the promotion of health and sustainable development. At the same time, the impact of environmental factors and international legal aspects are analyzed, as well as current policies in this field.

It also delves into the worldwide consequences of the coronavirus pandemic, highlighting the relevance of the creation of health surveillance strategies. It also focuses on the types of public health management systems, providing a complete specialization for decision making and efficient administration of health centers.

With this program, doctors will be able to specialize 100% online and without pre-established schedules, to facilitate the adaptation of study time to their daily routine. It also highlights the innovative Relearning methodology, which is based on the reiteration of key concepts for their internalization, as well as the possibility to deepen the subject matter thanks to the case analyses developed and guided by experts.

This **Postgraduate Certificate in Public Health** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Public Health and Health Management
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



*Specialize in Public Health and be part of its transformation to provide an efficient response to the need for medical care in places of conflict and crisis"*

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*The recent COVID-19 pandemic has completely changed the vision of Public Health. With this program you will be specialized to face its consequences”*

The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Through this program, you will be specialized by the most renowned experts in the health area.*

*Analyze the new profiles that have been developed around Public Health, through a cutting-edge agenda.*



# 02 Objectives

The program will allow students to acquire the most relevant skills and knowledge to keep up to date in the health area. Doctors will be able to focus on the key points of involvement to provide solutions to current challenges, such as the methodology to follow in times of health crises or the current models of international collaboration in health. With this comprehensive syllabus, professionals will be specialized to evaluate treatments and clinical interventions, as well as to face challenges such as climate change or pandemics.





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*Develop your professional career  
in the health area, with attractive,  
interactive and multimedia content”*



## General Objectives

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- ♦ Develop a broad and comprehensive conceptual framework of the situation, challenges and needs of Public Health in the 21st century
- ♦ Examine the international and global framework of Public Health policies
- ♦ Determine the key factors for a correct communication in health crisis: crisis communication and communication crisis
- ♦ Identify the theoretical and methodological framework for evaluation in Public Health
- ♦ Identify the steps to be followed for disease assessment using epidemiological data
- ♦ Compile the research methodology related to disease surveillance
- ♦ Identify the main risk and protective factors in communicable and non-communicable diseases
- ♦ Analyze the importance of quality assessment of intervention studies
- ♦ Develop the fundamentals of clinical epidemiology, measurement of frequency and distribution of diseases
- ♦ Critically evaluate the efficacy and effectiveness of clinical interventions, pharmacological treatments, surgical interventions and prevention strategies
- ♦ Fundamentals of the principles of the epidemiological method
- ♦ Understand the principles of health promotion, social determinants of health, health-related behavioral theories, and strategies to promote healthy lifestyles and health-promoting environments
- ♦ Analyze the main health risks for different vulnerable groups
- ♦ Implement a holistic and integrative vision in the impact assessment of environmental risks on health protection





## Specific Objectives

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- ♦ Establish health as an integral and global concept and to define the influencing factors
- ♦ Establish the most relevant health determinants in the current situation, historical evolution and to lay the foundations for their future development
- ♦ Analyze the current models of international collaboration in health and their characteristics
- ♦ Examine the interactions between health, the health system, the environment and the social system
- ♦ Analyze current public health policies at the international level
- ♦ Review the legal, regulatory and institutional framework for health at the international level
- ♦ Recognize the political and governance functions, insurance and provision of public health services in any health system
- ♦ Determine the set of professional competencies required to work in public health services
- ♦ Incorporate the organizational perspective to the main challenges in Public Health, specifically climate change and pandemic
- ♦ Specify the objectives and evaluate the health impact of interventions, both health and non-health interventions



*Achieve your professional goals, comfortably, from home and without schedules thanks to a 100% online methodology”*

03

# Course Management

In its commitment to offer a high quality education, TECH counts on prestigious professionals, so that doctors acquire fundamental knowledge, in a rigorous and complete way, in Public Health. For this reason, the Postgraduate Certificate will be given by a highly qualified team with extensive experience in the area. They will also prepare students to develop their critical thinking and apply the concepts acquired in any situation, guaranteeing them success in their careers.



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*A complete syllabus, carried out by experts and quality content for you to achieve professional excellence”*

## Management



### Ms. Ruiz Redondo, Julia María

- ◆ Coordinator of the National Working Group on Public Health 2.0 in the SEMG
- ◆ Coordinator of the General Directorate of Public Health in the Ministry of Health of Castilla-La Mancha
- ◆ Coordinator of the Regional Advisory Group on Immunization at the Regional Ministry of Health of Castilla-La Mancha
- ◆ Nurse Inspector in the Management of Coordination and Inspection of Castilla-La Mancha in the SESCAM
- ◆ Nurse of Specialized Care in the Hospital Emergency Area at the General Hospital of Tomelloso
- ◆ Master's Degree in Medical Management and Clinical Management by the UNED, ISCIII, National School of Health
- ◆ Master's Degree in Vaccines from the Catholic University of San Antonio de Murcia
- ◆ Master's Degree in Specialized Emergency Nursing Care, Critical Patient Area and Post-Anesthesia Care by the University of Valencia
- ◆ Master's Degree in Nursing Services Management from the UNED
- ◆ Senior Healthcare Management Program from San Telmo Business School
- ◆ Graduate in Nursing from the Catholic University of Avila
- ◆ Diploma in Nursing from the University of Jaén



# 04

## Structure and Content

The syllabus of this program has been designed in a rigorous way, considering the requirements of contemporary Public Health and based on the requirements proposed by the program's teaching team. A syllabus has been established, in which the topics address in depth aspects such as the impulse of NGOs, new professional profiles in this field or health surveillance strategies in the 21st century. All this from a multidisciplinary perspective and emphasizing the practical application of knowledge at the international level and the relevance of looking after vulnerable populations.







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*With TECH you will be able to manage crises and health emergencies, make decisions in convulsive situations and apply epidemiological methods in clinical settings”*

## Module 1. Public Health in the 21st Century

- 1.1. Health, a Global Public Good
  - 1.1.1. Health: Concept, Limitations of Definitions and Evolution
  - 1.1.2. Health of the Individual, Public Health and Social Health
  - 1.1.3. Health in a Globalized World: Opportunities and Threats
- 1.2. Health Determinants: Past, Present and Future
  - 1.2.1. Models: Health Field, Social Determinants, Social Determination
  - 1.2.2. Structural, intermediate and proximal determinants
  - 1.2.3. Health Determinants in the 21st Century: New Perspectives
- 1.3. Collaborative Culture at the International Level
  - 1.3.1. Structures and Institutions
  - 1.3.2. The Impulse of NGOs: Channels of Collaboration and Weaknesses
  - 1.3.3. The Role of Private Actors in International Health Collaboration
- 1.4. Health and Sustainable Development
  - 1.4.1. Agenda 2030 and Sustainable Development Goals
  - 1.4.2. Health Beyond SDG 3
  - 1.4.3. One Health: One Concept, One Voice, One Policy
- 1.5. New Profiles in Public Health (PH): Human Resources
  - 1.5.1. Data and Communication
  - 1.5.2. New Professional Profiles in Public Health: Technological, Social, and Ethical
  - 1.5.3. Public Administrations Faced with the Challenge of New Profiles
- 1.6. Current Public Health Policies
  - 1.6.1. Public Health Strategies
  - 1.6.2. Public Health and Environmental Challenges
  - 1.6.3. Public Health in the Information Society
- 1.7. Public Health Impact Interventions
  - 1.7.1. Health Impact Assessment
  - 1.7.2. Decision Making and Prioritization of Interventions: Budgetary, Social and Ethical Aspects
  - 1.7.3. Success Stories
- 1.8. International Public Health Projects in Endemic Areas, Outbreaks and Epidemics
  - 1.8.1. Strategies for Health Surveillance in the 21st Century
  - 1.8.2. The COVID19 Pandemic: A Before and After or Just a Temporary Change?
  - 1.8.3. International Collaboration in this Context





- 1.9. Management, Financing and Leadership in Public Health
  - 1.9.1. Public Health Management Models: Health Authority and Provision
  - 1.9.2. Agencies, Centers and Institutes
  - 1.9.3. Public Health Budgets: Decision and Management
- 1.10. Legal Aspects at the International Level in the Context of Public Health
  - 1.10.1. International Standards
  - 1.10.2. Right to Health: Perspective and Comparison
  - 1.10.3. International Health Regulations (IHR)

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*An updated program, to keep you at the forefront. Enroll now in this 100% online Postgraduate Certificate”*

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*





At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

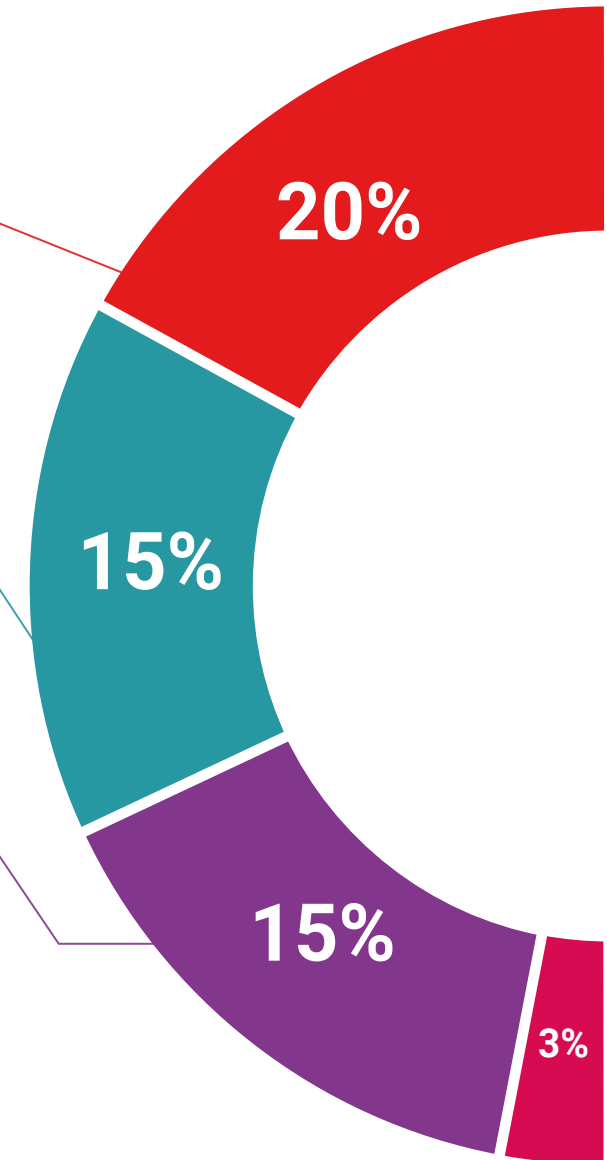
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

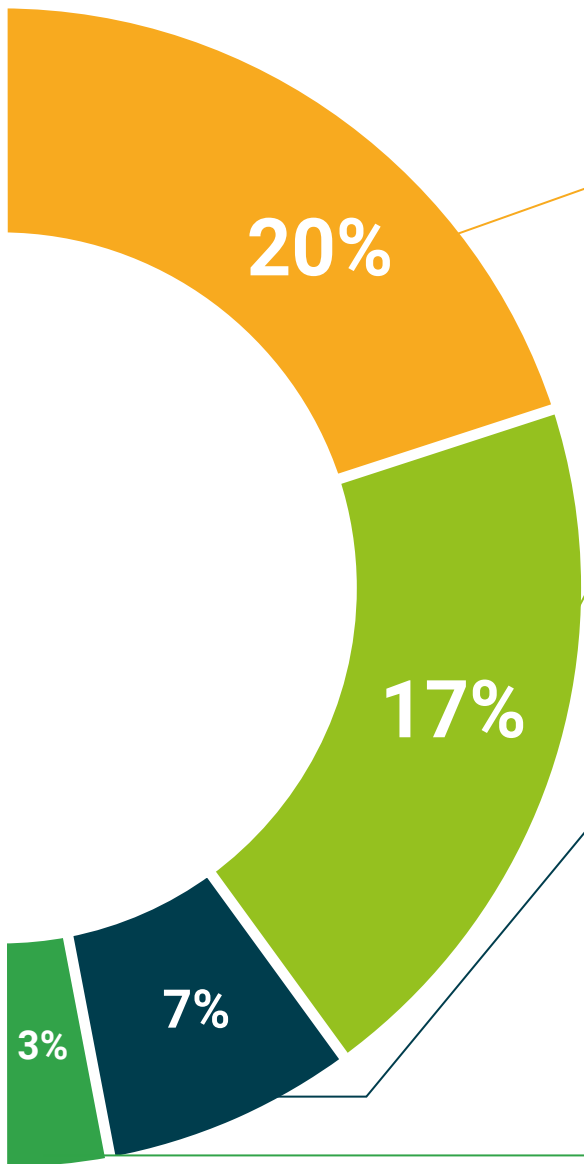
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Retesting**

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



**Classes**

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



**Quick Action Guides**

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Certificate in Public Health guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This private qualification will allow you to obtain a **Postgraduate Certificate in Public Health** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Public Health**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present quality  
development languages  
virtual classroom



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