

Postgraduate Certificate Public Health Surveillance for Nursing



Postgraduate Certificate Public Health Surveillance for Nursing

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

Website: www.techtute.com/us/nursing/postgraduate-certificate/public-health-surveillance-nursing

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

Public Health Surveillance is a fundamental pillar of Modern Nursing, especially in a society where threats to the health of the population are increasingly complex. In this regard, the World Health Organization reports in a report that there are a number of global challenges ranging from infectious disease outbreaks to the rise of chronic non-communicable diseases. Faced with this situation, nurses play a key role in identifying trends, patterns or risk factors related to specific pathologies. In this context, TECH implements an innovative 100% online university program focused on the early detection of outbreaks and the evaluation of the effectiveness of Public Health interventions.





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Thanks to this 100% online Postgraduate Certificate, you will carry out Public Health programs to prevent diseases and promote optimal health in the community"

As the Public Health landscape continues to evolve, nurses face multiple challenges in the field of Surveillance. For example, they must adapt quickly to changes in the epidemiology of pathologies (such as the emergence of new infectious diseases). Given these circumstances, professionals need to constantly update their knowledge to keep abreast of these trends and acquire advanced skills to adapt to changes in the field. This will enable them to provide more effective, patient-centered care and reduce the burden of preventable conditions.

In this scenario, TECH is developing a revolutionary Postgraduate Certificate in Public Health Surveillance for Nursing. Its objective is for professionals to obtain advanced skills to collect, analyze and interpret health data to identify disease patterns and trends in the population. The academic itinerary will deepen in the mechanisms to design effective programs for health protection, paying attention to issues such as the analysis of the burden of diseases or the evaluation of the impact and communication of results. Along these lines, the syllabus will analyze the latest innovations in control systems and prevention in Pharmacology. Therefore, graduates will acquire competences to guarantee the safety and efficacy of drug administration.

On the other hand, the university program is taught in a convenient 100% online format, easily accessible from any device with an Internet connection and without predetermined schedules. In this sense, TECH is based on the revolutionary teaching method of Relearning, so that nurses can deepen their knowledge of the contents without resorting to techniques that involve extra effort, such as memorization. Therefore, the only thing that professionals will require is to have an electronic device with Internet access to enter the Virtual Campus.

This **Postgraduate Certificate in Public Health Surveillance for Nursing** 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



Design interventions for the treatment of Chronic Diseases in the best digital university in the world according to Forbes"

“*You will deepen your understanding of response strategies for health emergencies such as epidemic outbreaks and ensure the well-being of patients at all times*”

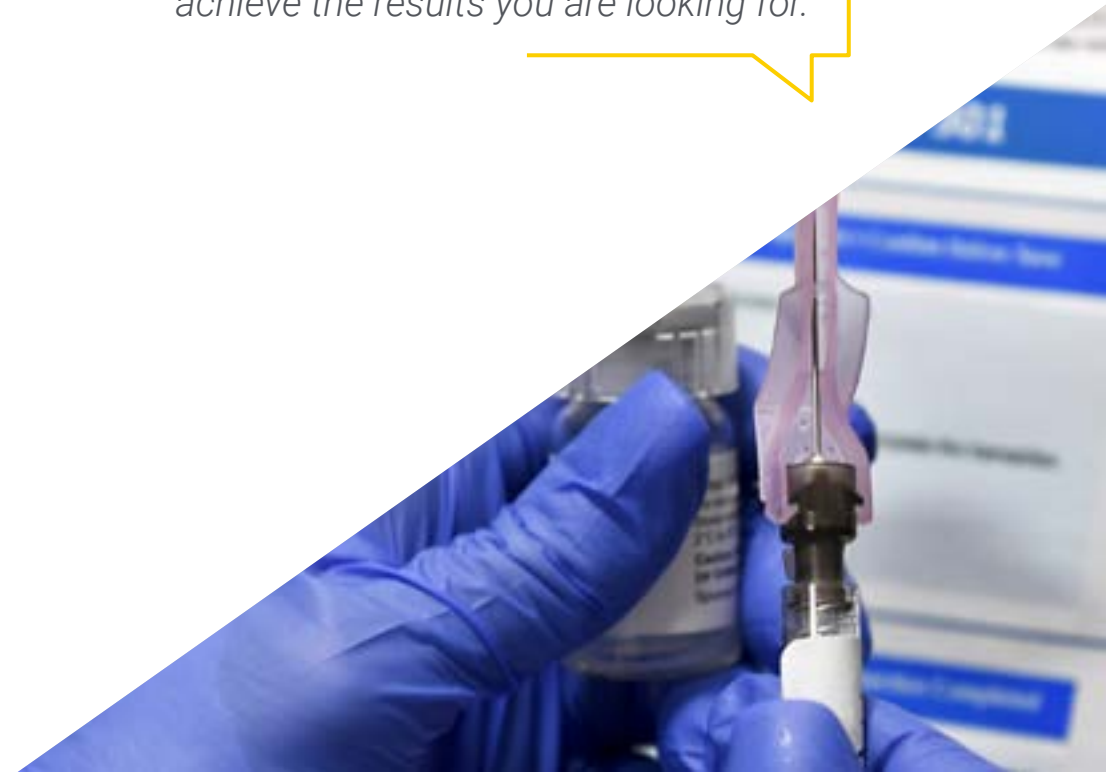
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

Do you want to integrate the most advanced prevention techniques in Pharmacology into your clinical practice? Achieve it through this complete program in only 180 hours.

Through TECH's disruptive Relearning methodology, you will assimilate all the knowledge in an optimal way to successfully achieve the results you are looking for.



02 Objectives

With this Postgraduate Certificate, nurses will stand out for having a solid understanding of the fundamentals of Public Health (including epidemiology, disease prevention or program management). Likewise, professionals will develop skills in collecting, analyzing and interpreting health data to identify disease patterns. At the same time, graduates will be highly qualified to conduct epidemiological studies and investigate health problems in the community. Therefore, they will design strategies to promote health or prevent disease in society through health education and the promotion of healthy lifestyles.



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You will develop advanced competencies in planning, implementing and evaluating programs to address specific Public Health problems”



General Objectives

- ♦ 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 noncommunicable 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
- ♦ Fundamentals of the principles of health promotion, social determinants of health, health-related behavioral theories, and strategies to promote healthy lifestyles and 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



This program will include a variety of multimedia resources, including practical exercises based on real cases, so that you can enjoy dynamic learning"



Specific Objectives

- ◆ Determine the fundamental principles of health protection and prevention, including epidemiological surveillance, risk assessment, management, control and communication
- ◆ Examine self-monitoring and surveillance systems through hazard analysis and identification of critical control points
- ◆ Delve into the investigation systems and conduct a critical analysis of indicators, as well as records and evaluation systems
- ◆ Determine the requirements in primary prevention research for chronic diseases, as well as evaluate effective strategies
- ◆ Specify the terms needed to conduct research for improvement in the design, implementation, and evaluation of comprehensive health protection and prevention programs
- ◆ Analyze, in detail, the interpretation of epidemiological data related to environmental health, including surveillance of diseases and environmental risk factors
- ◆ Describe innovative monitoring and prevention systems in pharmacovigilance that allow for early detection of drug-related adverse events
- ◆ Describe international disease surveillance systems and cooperative systems among them

03

Course Management

This university program has a first class teaching staff, made up of true specialists in the field of Public Health Surveillance. These professionals have a long career, where they have worked in leading health institutions. Thanks to this, these experts have developed teaching materials characterized by their high level. In this way, graduates will have access to a high intensity academic experience that will optimize their professional career as nurses at a higher level.





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You will have access to a syllabus designed by a distinguished teaching team specialized in Public Health, which will ensure successful learning"

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

Professors

Dr. Sanz Muñoz, Iván

- ♦ Head of Scientific and Virological Surveillance at the National Influenza Center of Valladolid
- ♦ Director and Coordinator of the Influenza Update Conference at the National Influenza Center of Valladolid
- ♦ PhD in Health Sciences Research from the University of Valladolid
- ♦ Master's Degree in Vaccines from the Catholic University of San Antonio of Murcia
- ♦ Master's Degree in Genomics and Medical Genetics from the University of Granada
- ♦ Master's Degree in Health Sciences Research: Pharmacology, Neurobiology and Nutrition by the University of Valladolid
- ♦ Master's Degree in Anthropology and Forensic Genetics from the University of Granada
- ♦ Degree in Biology from the University of Salamanca
- ♦ Member of: WHO Global Influenza Surveillance Network (GISRS), Institute of Health Sciences of Castilla y León (ICSCYL) and Center for Biomedical Research in Infectious Diseases (CIBERINFEC)



A unique, crucial and decisive learning experience to boost your professional development".

04

Structure and Content

Through this university program, nurses will have a comprehensive knowledge of the fundamentals of epidemiology, as well as the determinants of disease. The syllabus will delve into self-monitoring systems, taking into account factors such as the establishment of preventive protocols, risk identification and monitoring of control points. In line with this, the syllabus will delve into the interpretation of epidemiological data on chronic pathologies. Graduates will therefore be able to offer patients more personalized care and adapt treatments to meet their specific needs.





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You will incorporate into your practice the most cutting-edge strategies for disease prevention, including vaccination as well as health promotion and health education”

Module 1. Public Health Surveillance

- 1.1. Protection, Prevention and Surveillance in Public Health: Classification, Evaluation, Management and Risk Control and Communication
 - 1.1.1. Health Protection and Prevention
 - 1.1.2. Risk Health and Management Surveillance
 - 1.1.3. Risk Communication Mechanisms and Limitations
- 1.2. Self-control and Surveillance Systems: Hazard Analysis and Critical Control Points
 - 1.2.1. Establishment of Preventive Protocols
 - 1.2.2. Identification and Risk Assessment
 - 1.2.3. Implementation and Follow-up Control Points
- 1.3. Research and Critical Analysis of Process and Outcome Indicators, Records, and Evaluation Systems Development and Innovation
 - 1.3.1. Research and Analysis of Indicators
 - 1.3.2. Recording and Evaluation for Efficient Data Management
 - 1.3.3. Innovation in Evaluation Systems
- 1.4. Research in the Design, Implementation, and Impact Evaluation of Health Protection and Prevention Programs
 - 1.4.1. Mechanisms for the Design of Health Protection and Prevention Programs
 - 1.4.2. Implementation of Health Protection and Prevention Programs
 - 1.4.3. Analysis of the Impact of Health Protection and Prevention Programs
- 1.5. Analysis and Interpretation of Epidemiological Data on Environmental Health: Surveillance, Estimation, Plans and Programs
 - 1.5.1. Importance of Environmental Health in Human Health.
 - 1.5.2. Exploration of Environmental Epidemiological Data
 - 1.5.3. Practical Application of Environmental Data Analysis
- 1.6. Interpretation of Epidemiological Data on Chronic Diseases and Planning: Surveillance, Estimation, Design of Plans, Programs, and Screening
 - 1.6.1. Epidemiological Analysis of Chronic Diseases Importance of Monitoring
 - 1.6.2. Design and Development of Interventions for Chronic Diseases
 - 1.6.3. Epidemiological Surveillance and Disease Burden Analysis





- 1.7. Research in Primary Prevention of Chronic Diseases: Health Protection
 - 1.7.1. Research in Primary Prevention of Chronic Diseases
 - 1.7.2. Applied Research in Health Prevention and Protection
 - 1.7.3. Impact Evaluation and Communication of Results
- 1.8. Innovation in Pharmacovigilance Monitoring and Prevention Systems: Alerts and Preventive Interventions
 - 1.8.1. Importance of Pharmacovigilance Safety in the Use of Drugs
 - 1.8.2. Advances in Pharmacovigilance Monitoring Systems.
 - 1.8.3. Risk Prevention Through Preventive Interventions
- 1.9. Models of Response to Alerts, Epidemic Outbreaks and Emergencies Development of Protocols and Procedures
 - 1.9.1. Response Strategies for Health Emergencies
 - 1.9.2. Development of Crisis Management Protocols
 - 1.9.3. Implementation and Evaluation of Emergency Response
- 1.10. International Health and Innovation in International Cooperation for Epidemiological Surveillance
 - 1.10.1. International Health Global Perspective on Epidemiological Surveillance
 - 1.10.2. Innovation in International Cooperation for Epidemiological Surveillance
 - 1.10.3. Challenges and Future of International Cooperation in Health

“*You are looking at a flexible university program that is compatible with your daily responsibilities. What are you waiting for to enroll?*”

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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



The nurse will learn through real cases and by solving 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 really 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.



Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 them as many times as you want.



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 suggesting that observing third-party experts can be useful.

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 Surveillance for Nursing 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 Surveillance for Nursing** 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 Surveillance for Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

personalized service innovation

knowledge present

online training

development

languages

virtual classroom

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