



Institute of Advanced  
Dental Sciences & Research  
Professionally Correct



# **POSTGRADUATE DIPLOPMA IN DENTAL PUBLIC HEALTH (DDPH)**

## **Curriculum 2022**

Institute of Advanced Dental Sciences & Research  
&  
Health Services Academy, Islamabad

# **POSTGRADUATE DIPLOMA IN DENTAL PUBLIC HEALTH (DDPH)**

## **I. INTRODUCTION**

Healthcare Professionals are facing the challenges and opportunities presented to them every day by the administrators of the public health care systems. The development of an organized public health care system has also highlighted the importance of speaking the language of health policy and management, epidemiology, statistics, health economics and applied social sciences. The principles associated with these disciplines are the foundation for future development of public health programs.

This one-year program will offer the participants an opportunity to broaden and enrich their public health practice leadership skills; extend their knowledge of the tools of management and planning; develop their skills in the areas of epidemiology and statistics and further develop their understanding of the social, political, cultural and economic forces that shape the health care environment.

The Diploma in Dental Public Health by the IADSR and HSA will offer a novel format designed to accommodate those in full time employment in public sector or otherwise following busy schedules. This exciting program will provide participants with the skills and insights necessary to become active participants in the decision making process that will shape the future of oral health care.

The program is designed to be hybrid (online plus face-to-face) and multidisciplinary in nature combining the strengths and talents in the HSA's departments of Public Health, Health Economics, Statistics, Marketing and Management, Applied Social Studies and Computer Sciences. This combination of resources forms a unique course focused on training for the development of dental services in Pakistan.

## **II. COMPETENCIES OF THE DDPH PROGRAM**

The graduates of the DDPH program will be prepared to:

- Train competent, committed, and skilled dental public health professionals.
- Assist in translation of knowledge into sound evidence-based policies and practices.
- Prepare leadership in dental public health.
- Develop, administer, and evaluate health policies and programs.
- Participate directly in efforts to improve the oral & dental health of the community using community-based and health systems' assessment of oral health services.
- Conduct basic and applied research relevant to the description, risk factors and interventions for the resolution of oral & dental health problems in the human populations.
- Describe basic methods of quantitative analysis being used by oral & dental health managers.
- Demonstrate change management, communication, and leadership skills.
- Define what quality means from the standpoint of the variety of stakeholders.

## **III. PROGRAM LENGTH**

It is **One-Year** program comprising of 2 semesters and each semesters' duration is 16 Weeks.

#### IV. COURSE-WISE CREDIT HOURS AND MARKS DISTRIBUTION

Semester	Course code	Course Title	Credit hours	Marks
<b>Courses for First Semester of DDPH</b>				
I	DDPH501	Principles of Epidemiology & Epidemiology of Dental Disease	02	100
I	DDPH502	Basic & Applied Biostatistics	02	100
I	DDPH503	Foundation of Public Health & Dental Public Health	02	100
I	DDPH504	Preventive Dentistry & Oral Health Promotion	02	50
I	DDPH505	Health Economics & Economic Evaluation of Health Services	01	50
I	DDPH506	Health Service Structure and Management	01	50
I	DDPH507	Oral Health and Disease	02	100
I	DDPH508	Applied Social Studies	01	50
<b>Sub Total for First semester Credit hours/Marks</b>			<b>13</b>	<b>600</b>
<b>Courses for Second Semester of DDPH</b>				
II	DDPH508	Dental Public Health Research Project	03	150
II	On the Job Practicum in Dental Health Organization or Hospital		03	150
<b>Sub Total for Second semester Credit hours/Marks</b>			<b>06</b>	<b>300</b>
<b>Total Credit hours/Marks for DDPH</b>			<b>18</b>	<b>900</b>

## **V. RESEARCH PROJECT (3-CREDIT)**

The student will be advised to select a dental public health topic with his/her professional requirements during the first semester. The proposal formulated has to be critically appraised by the Academic Committee of IADSR and simultaneously the Institutional Research Board (IRB) before the beginning of the second semester. The committee can suggest changes which will be communicated to the student at the time of critical appraisal. The students will carry out data collection, data analysis, interpretation and presentation of the results leading to conclusions from the study under the research report writing guidelines.

The primary educational objective of the research report is to demonstrate appropriate consideration and application of core concepts, skills, and knowledge in analyzing a public health problem within any of the proscribed frameworks. The core area competencies must be addressed in each project. These competency areas cut across the domains identified for each specific framework. For example, quantitative competence may be demonstrated in the literature review and/or methodology section and/or results and/or discussion section of a publication framework. All papers are required to demonstrate minimum competence but are held accountable to a level of competence consistent with the problem and framework as defined by the student.

## **VI. ON THE JOB PRACTICUM (3-CREDIT)**

Dental Public health focuses on monitoring, achieving and improving the oral health of a population and is practiced in a variety of settings. Using practicum in Diploma in Dental Public Health student learn and develop necessary skill sets for becoming a successful DPH professional. The practicum is intended to develop direct understanding and experience in DPH, thereby exposing the student to community cultures, health system, operations and resources, programs and services and target populations. Such knowledge, skills, abilities, and experiences will continue to develop and grow as each student graduates and becomes a life-long learner and practitioner of dental public health.

The goal of the practicum is to provide a structured and supervised opportunity for the student to apply the theories, principles, knowledge and skills of public health and hospital management, as learned in the classroom, in a practice and/or community setting. The practice experience occurs in a carefully selected health organizations approved by Program Coordinator and is supervised by IADSR & HSA faculty and an immediate supervisor/mentor. This considers the transition from education to professional practice. At the conclusion the students are required to present their project in the form of a written report or as a poster.

## **VII. METHOD OF ASSESSMENT/EXAMINATION, PROCEDURES AND RULES**

Students will be evaluated during each course on the basis of:

- **Formative assessment:**

A mix of the tests, end of course examination, class and home assignments, class participation, interactive discussions, practical exercises, field works and/or group works, end of course examination, depending on the course outline (ongoing assessment and feedback for learning)

- **Summative assessment**

Based on the end of semester examination papers. Summative assessments are held at end of semesters and comprises of semester examinations paper each.

## VIII. STUDENT RECRUITMENT AND ADMISSIONS

Strict merit-based criteria with absolute transparency will be followed to select its students for the DDPH program.

- **ELIGIBILITY CRITERIA**

- **BASIC QUALIFICATIONS**

- BDS (Bachelor of Dental Surgery)
- MBBS (Bachelor of Medicine, Bachelor of Surgery )
- MSPH
- MPH

- **WORK EXPERIENCE**

The candidate should preferably have one years of full-time work experience (in the case of dental and medical doctors, after the house job) in public health-related fields in either the private sector or the public sector, including the armed forces. For students performing extra-ordinary during viva/interviews, the experience can be waived off by the admission committee.

- **AGE LIMIT**

There are no Age restrictions for admission in this Program.

- **DDPH ADMISSIONS**

Admissions Committee of DDPH including members both from HSA and IADSR will be responsible for the selection of applicants to be admitted to the Program. There are established procedures for the timely review of applications to the Program. Deferrals of admission are at the discretion of the Admissions Committee. The selected candidates from the Admissions Committee will be exempted from any test or interview.

- **FINAL SELECTION**

The applicant's acceptance is contingent upon the receipt of all required documents including official transcripts. The Admissions Committee is responsible for identifying those students with missing documents and/or credentials which do not meet eligibility standards.

## COURSE FEE

Course Fee is **Rs. 80,000/-** per semester.

Total fee for One Year Diploma is **Rs.160,000/-** which is payable in two installments.

## LIST OF IADSR FACULTY

Dr. Ayyaz Ali Khan	<b>Dean / Professor</b>	FDSRCPS, PhD, MSc, BDS	Epidemiology & Healthcare Planning
Dr. Akhter Hussain Bokhari	Professor	BDS, MCPS, PhD	Dental Public Health
Dr. Saima Chaudhry	Professor	BDS, PhD, MME	Research Methodology
Dr. Faisal Izhar	Professor	BDS, MPhil	Preventive Dentistry
Dr. Amna Nauman	Professor	BDS, MPhil	Oral Health Promotion
Dr. Shamta Sufia	Associate Professor	BDS, MSc, PhD	Oral Health & Disease
Dr. Faiza Awais	Associate Professor	BDS, MPhil	Community Dentistry
Dr. Jamal Hussain	Assistant Professor	BDS, MPhil	Dental Public Health

## LIST OF HSA FACULTY

**To be added**