

Gunjan Maniktala
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DEGREES

Masters in Public Health, Community and Behavioral Health, University of Iowa, July 2007.
(GPA: 3.84)

Bachelor of Dental Surgery (BDS), College of Dental Surgery, Manipal Academy of Higher Education, September 2003. (GPA: 3.98)

CERTIFICATIONS

Certified Health Education Specialist (CHES)

Working towards PMP certification.

ACADEMIC HONORS

Masters in Public Health Scholarship for academic excellence, participation in college activities and commitment to provide public health care to underserved population for the academic year 2006.

Fellowship of Academy of General Education (FAGE).

Graduated BDS In First Class.

PUBLICATIONS

Informatics: Investment for the Future: [The Public Health Laboratory Interoperability Project \(PHLIP\) Electronic Test Order and Result \(ETOR\) Pilot Implementation](#)

PROFESSIONAL EMPLOYMENT

Public Health and Information Coordinator-IT Support Analyst, State Hygienic Laboratory, University of Iowa, Iowa City, September, 2007 – Present

- Defining and building orders for the clinical test menu in the EPIC system for a major university hospital. Involved in testing, training, and implementation of EPIC.
- Epic CDR Training completed.
- Project Management experience with the development of new Laboratory Information Management System (LIMS). Work with diverse groups of internal and external users for requirement building, documentation, testing, and training.
- Develop components/data elements required for the implementation of the new open source Laboratory Information Management System called Open ELIS.
- Serve as a program liaison with participating faculty, staff, students, hospitals, private and public health agencies.
- Thorough understanding and knowledge of environmental, clinical, and newborn screening testing.
- Knowledge and understanding of HIPAA, CLIA, and ICD-9.

- Write documents describing/defining the various features and functionality of the database.
- Provide developmental and administrative assistance and expertise for educational, service and/or health care programs of substantial complexity and impact.
- Consult frequently with customers to discuss, evaluate, and plan for current and future needs.
- Interface with external clients for designing our test menu with their patient record systems, and for smooth electronic (HL7) exchange of orders and results.
- Working knowledge of HL7 order-result interface for Newborn screening- prenatal and post natal, and various clinical tests.
- Develop and harmonize protocols for defining our laboratory's testing needs and requirements internally and externally to develop national standards with organizations like CDC and APHL and various states for the Nationally Notifiable Diseases like Influenza including 2009 H1N1.
- Map our tests to Logical Observation Identifiers Names and Codes (LOINC) and SNOMED for building messages to exchange via HL7.
- Enhance the lab web offering for results to various facilities for different databases (clinical, environmental, and newborn screening).
- Prepare and maintain appropriate periodic and special program operations reports and surveys.
- Assist in the enrollment, processing and orientation of program participants to access results and reports in our various databases.
- Provide information and counseling to program participants concerning program selection, content, objectives, and conduct.
- Train, schedule, assign and evaluate work of support staff. Develop training material for internal and external users.
- Assist in the evaluation of program effectiveness and impact.
- Plan and arrange for appropriate facilities and services in conjunction with program events.
- Supervise and evaluate program participants.
- Collect, maintain and analyze data on program participants.
- Obtain, prepare, assemble and distribute educational and promotional program materials.
- Edit and assist in writing articles and reports for publication and distribution.
- Responsible for Workflow related functions (i.e. human resources, financial electronic transaction routing).
- Co-ordinate and work with different user groups and section staff members to develop data sets and required components.
- Maintain effective working relationships with faculty, staff, and the public/clients.

Dental Program Consultant, Johnson County Public Health Department, Iowa City, November, 2006- May, 2007.

- Literature review, development of a research survey tool to gather information from parents or guardians on their children's current oral health practices, nutrition practices that affect dentition, barriers to oral health care, availability of oral health services and dental insurance and demographic information.
- Randomly selecting a representative sample of children 0-5 years that attend JCPH clinics, conduct face-to-face and telephone surveys.

- Compiling the survey data and data analysis.
- Writing and presenting the survey results, recommending strategies to improve the oral health care, service, and status of the surveyed population.
- Administrative duties related to the survey.

Teaching Assistant, Department of Chemistry, the University of Iowa, February, 2006 to July, 2007.

- Taught the undergraduates various chemistry experiments (Principles of Chemistry-I)
Duties included student advising and guiding students regarding safe laboratory procedures, experiments, and principles of chemistry related to problem solving.

Dental Surgeon, India, October 2003- December, 2005.

- Managed a dental clinic full time. Performed all dental procedures like Root Canal Treatment, Oral Surgeries, Extractions, Impactions, Scaling, and Dental Fillings.

Pre-Registration House Officer, Government Hospital, Rohtak, India.

- Posted in Casualty (24 Hours) once every month and performed emergency procedures. Attended Operation Theatre (OT) once every week. Attended and organized camps in rural areas along with planning comprehensive treatment plans. Daily responsibilities also included history taking, screening and clinical examinations.

KNOWLEDGE AND SKILLS

- Knowledge of method development for electronic (HL7) exchange of clinical information.
- Mapping tests to Logical Observation Identifiers Names and Codes (LOINC) and SNOMED for building messages to exchange via HL7.
- Knowledge of test catalogue development and designing the various tests in patient record systems like EPIC.
- Developing and implementing technical training for different databases to end users.
- Ability to communicate effectively, both orally and in writing with technical and non-technical staff.
- Knowledge of IT application development principles and methodologies to build lab databases which meet/fulfill clinical, environmental and newborn screening requirements.
- Strong clinical background and understanding of public health laboratory procedures.

TECHNOLOGY APPLICATIONS AND EXPERTISE

- **Teaching Tools:** ICON
- **Research Tool:** SPSS
- **Operating Systems:** Windows, Linux
- **Application Tools**
MS Word: Word processing, word art, graphs, tables
MS Excel/MS Access: Graphs, tables, database, formulas.
MS PowerPoint: Presentations, pictures, import graphs.
SQL: To query databases.
Data Entry: Entering patient and other details to maintain records.

RESEARCH INTERESTS

- Substance abuse and mental health.
- Healthcare needs in low-income racially diverse populations.
- Measures for the prevention of HIV/AIDS.
- Dental fluorosis.

COMPLETED COURSEWORK

- Health Behavior and Health Education
- Designing and Implementing Interventions
- Social Determinants of Health
- Communicating with the Community
- Substance abuse and mental health.
- Health Promotion and Disease Prevention
- Public Health Practice
- US Health Care System
- Introduction to Biostatistics
- Principles of Epidemiology
- Environmental Health
- Dental Policy and Financing

LANGUAGES: English, Hindi

SERVICE

- Presentations conducted on behalf of our college and laboratory at various occasions and meetings.
- Volunteered with tuberculosis clinic for international students at The University of Iowa..
- Volunteered for various activities in the Department of Community and Behavioral Health. Attended meetings with prospective students and helped them with their various queries about the program and the department. Attended College of Public Health Student Association meetings regularly.
- Student representative for Community Behavioral Health on the College of Public Health Curriculum Committee.
- Worked with Dr. Anne H. Skinstad on Substance Abuse Program “Healthy Lifestyles” as a volunteer. Involves understanding various theories and models and interviewing or counseling techniques.
- Was actively involved as a volunteer in organizing and managing polio immunization camps with the Resident Welfare Association in India.
- Worked with Rotary International for various health camps and awareness programs.
- Was an active member of Indian Dental Association (IDA) and participated in various dental rural camps and took part in scientific meets and conferences.
- Active participant in sports, cricket, shuttle badminton.
- Helped organize and conduct various cultural and training events during college (undergraduate and Masters).