

Naiya Patel, PhDc | MPH | BDS

Email: naiya.patel@louisville.edu

[Google Scholar](#), [LinkedIn](#)

PROFESSIONAL EXPERIENCE

Department of Health Management and Systems Sciences, SPHIS

Teaching Assistant

July 2022-Present

Two Ph.D. courses assisted are:

- Health Services Research Methods 2
- Economic Evaluation in Health Care
- Develop/Plan effective course content and class material by applying effective teaching and learning techniques
- Prepare drafts of each class slides and class material under the guidance of the primary course instructor
- Develop syllabus, and class rubrics
- Plan effective and efficient course assignments
- Grade assignments and help solve student queries
- Play active role in teaching and advising process for the courses

The Commonwealth Institute of Kentucky

Research Scholar

August 2020- July 2022

- Perform data analysis and data investigation for real-world data
- Assist in key project decision making i.e. ICD coding, appropriate data analysis technique, relevant study cohort grouping, assigning work to team members
- Crosswalk ICD 9 to 10 for Medicaid Claims data
- Develop data frames and structure raw claims data utilizing Knime, SQL, Pycharm and STATA
- Investigate big data problems and propose solutions to overcome it
- Work with raw environmental data for the U.S. and clean it to merge Air Pollutants, Weather data, and County demographics
- Perform literature search and data mining relevant to healthcare cost data and Medicaid Claims data
- Draft reports and presentations
- Strategic planning and stakeholder engagement
- **Project completed** : The Effect of Market Changes on Kentucky Medicaid: Utilization and Cost Savings for Three Chronic Diseases—Cancer, Diabetes, and CVD

Louisville Metro Government, Kentucky United States

Project Intern

October 2021- January 2022

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- Prepare and draft literature review surrounding COVID-19 variants for Louisville Metro Department of Public Health
- Draft COVID19 state/county projection reports for publication and release
- Inform team manager about epidemiologic model parameters value from the literature reviews to support model simulation
- Train undergraduates and graduate interns in the department on systematic literature reviewing process, teach novel reviewing techniques that are time efficient and review their work

Center for Health Organization Transformation - NSF funded

Research Assistant

August 2019- 2020

- Engage in literature review and literature search using a database of interest
- Prepare annotated bibliographies and assist a faculty member with a research project
- Assist in all stages of survey data collection, analysis, project decision making, and reporting
- Worked with different survey instruments and large data-sets using a variety of analytical techniques to prepare research reports
- Administrative work includes facilitating weekly meetings, prepare a timeline for a research project, design and customize gift cards for incentives, preparing email drafts for marketing strategy
- Prepare manuscripts of an ongoing research study using citation tools
- Develop a research poster when required, participate in conferences
- Strategic planning and stakeholder engagement

Jersey Smile Care, Jersey City, New Jersey

April 2018- January 2019

Oral Health Educator and Dental Assisting,

- Assist the dentist during and after the dental procedure for educating the patient
- Follow up with the patient regarding recall visits, making new appointments and ad-hoc appointments
- Contact insurance companies to verify the eligibility of the patient, enter the details in Dentrix and maintain a patient record in Dentrix as well as patient chart
- Act as a liaison between dentist, patient, and insurance company and navigate them as required. Well versed with medical and dental coding, terminologies for filing insurance claims and eligibilities
- Maintain patient chart and assist the dentist in documenting the updated information at every visit

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- Perform instrument sterilization, setup material and instrument trays for the patient appointment/treatment procedures
- Keep the Dentrix application updated including entering and rescheduling patient appointments, patient information, and patient insurance information, treatment procedures, treatment costs and payments and answering patient queries over the phone

Bristol-Myers Squibb, Princeton, New Jersey

February 2017- May 2017

Feasibility Specialist Intern, Clinical Trials, and Business Analytics.

- Data-mined completed oncology studies to retrospectively assess screen-failure reasons and avoidable amendments in clinical trial studies
- Analyzed the study metrics of interest for specific clinical trial phase study
- Utilized pressure testing as well as building and running queries in CE works
- By comparing the data with real-world data outcomes, could predict values and generate insights
- Performed study protocol reviewing and developed framework
- Well versed with real-world database like CE works, TA scan, Globocan as well as Health landscape and GIS system database
- Hands-on experience in Clinical Trial Management (CTM) system. Knowledge about MEDIDATA analysis tool required for analysis of new clinical trial site inflow
- Developed protocol inclusion-exclusion criteria after screening real-world patient scenario
- Experience interpreting Electronic Medical Record

Long Island University, Brooklyn, New York

Graduate Research Assistant, Department of Public Health, October 2016- January 2019.

- Conducted research studies under the guidance of Head of the Department; in the process of data analysis using SPSS and manuscript review. The research studies are IRB approved
- Engage in literature review and literature search using a database of interest
- Prepare annotated bibliographies and assist a faculty member with a research project
- Participate in all stages of survey data collection, analysis, and reporting
- Worked with different survey instruments and large data-sets using a variety of analytical techniques to prepare research reports
- Administrative work includes facilitating weekly meetings, prepare a timeline for a research project, design and customize gift cards for incentives, preparing email drafts for marketing strategy
- Prepare manuscripts of an ongoing research study using citation tools

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New York University Tobacco (SocioEconomic Evaluation of Dietary Decisions) SEED Lab,
New York, New York

September 2015 - September 2016

Research Assistant,

- Assisted in roles related to research, administration, and communications, which also included preparation of materials for conferences. Currently, the research study manuscript titled “Tobacco and Dental Education: Dental Student Use, Knowledge, and Beliefs about Tobacco Products” has been accepted by “Journal of Dental Education” and is in the process of publication
- Attend a weekly meeting to discuss the status of the ongoing research study
- Engage in literature review using a database of interest and prepare a draft for manuscript
- Rectify as well as test the survey questionnaire (Pre-test) and make necessary changes before distributing it to the study sample
- Engage in analysis of the results and generate possible insights

Aastha Dental Clinic, Vadodara, India

General Dentist,

November 2014 - June 2015

- Performed various dental procedures, such as dental fillings, tooth extractions, denture placement, and patient counseling
- Assist in major surgeries like tooth implant and multiple extractions under general anesthesia as well as bone grafting
- Pre and Post counseling of relevant patients as well as filling their case report forms
- Verify the eligibility, measure vital signs and keep their medical records in files for future record
- Follow up with treated patients

Indian Red Cross Society, Vadodara, India.

Volunteer/Health Educator and General dentist,

May 2014 - May 2015

- Prepared informative brochures for upcoming campaigns
- Prepare powerpoint presentations in local layman dialect and show the presentations in every campaign to facilitate the education campaigns for health
- Volunteered blood donation camps
- Demonstrated correct brushing techniques with the help of models to facilitate public understanding in a health education campaign
- Empower and educate people regarding wrong notions of oral hygiene, correct nutrition, and blood donation myths

EDUCATION

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The University of Louisville, School of Public Health and Information Science,

Doctor of Philosophy- Ph.D. in Health Policy

Expected-June 2023

Thesis topic : Clinical and Environmental Factors Affecting the Survival Outcomes among Stage IA T1-2N0M0 First Primary Non-Small Cell Lung Carcinoma Patients in the United States

Utilized database: Geo code U.S. EPA air pollution, NOAA's Global Historical Climatology Network (GHCN)-daily data for U.S., Historical Area Resource Files, and SEER-18 plus Cancer Registry data. The thesis determines impact of weather and air pollution on treated lung cancer patients as well as factors determining treatment receipt for such patients. Study period is 1988-2016.

Long Island University, Brooklyn, New York

Masters of Public Health, December 2017

Global Institute of Public Health, NEW YORK UNIVERSITY, New York, New York

Masters of Public Health (Epidemiology), September 2015 – December 2015

Karnavati School of Dentistry (KSD), Ahmedabad, India

Bachelor of Dental Surgery, October 2014

GPA: 3.5, Stood among the top 20 students out of 1000 at the state level.

CERTIFICATES

- **NIH Training** course “Protecting Human Research Participants,” September 2015.
- **CITI Training (GCP)** for Good Clinical Practice, the NYU Medical School, November 2015.
- **Indian Red Cross Society, Vadodara, India,** obtained FIRST-AID certificate for all types of first aid training for emergency lifesaving situations, May 2014.
- **FEMA(Federal Emergency Management Agency)** required for emergency preparedness, January 2016.
- **Health Insurance Portability and Accountability Act (HIPAA)** patient protection, January 2025

AWARDS:

- Graduate Scholars Award at Long Island University, awarded to those who have achieved an outstanding GPA
- Academic Excellence Award for MPH at Long Island University
- Multicultural Association of Graduate Students Research Award (MAGS) for being selected as top 5 student research abstract worldwide to present research poster presentation at ISPOR Europe 2020, at The University of Louisville

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- Women in Public Health travel award for being selected at AcademyHealth 2021 research conference to present the selected research abstract

PUBLICATIONS

Research Papers

- Patel, N., & Patel, N. (2017). Modern technology and its use as storytelling communication strategy in public health. *MOJ Public Health*, 6(3), 00171.
- Patel N. Asthma and Its Environmental Triggers—A Systematic Comparative Review Study. *Global Scientific Research Journal of Public Health*, 1(1), 2018, pp. 1-5
- Shearston, J. A., Shah, K., Cheng, E., Moosvi, R., Park, S. H., Patel, N., ... & Weitzman, M. Tobacco and Dental Education: Dental Student Use, Knowledge, and Beliefs about Tobacco Products.
- Patel, N. (2018). Bridging the gap of translation research in public health—from research to real world. *MOJ Public Health*, 7(6), 347-349.
- Patel N (2018) Cellphone Radiations and its Effects in Public Health- Comparative Review Study. *MOJ Public Health* 7(1): 00197. DOI: 10.15406/mojph.2018.07.00197
- Berić-Stojšić B, Patel N, Blake J, Johnson D. Flipped Classroom Teaching and Learning Pedagogy in the Program Planning, Implementation, and Evaluation Graduate Course: Students' Experiences. *Pedagogy in Health Promotion*. 2019 Apr 9:2373379919839073.
- Patel N, Patel N. What Does a College Attending Men's Community Perceive about Transgender Women?-A Non-Experimental Qualitative Study.
- Naiya Patel (2019) Why New Drugs, Treatments, and Medical Devices Still Needs to be Tested Clinically Before Making it Available in the Market?. *Journal of Neurological Research And Therapy* - 3(1):1-5.
- BHAGAT, Pramod Kumar; PATEL, Naiya; PATEL, Neel. Effects of denture cleansers on denture material properties —An observational Case—Control Study.. *Journal of Oral Research*, [S.l.], v. 9, n. 1, p. 72-80, feb. 2020. ISSN 0719-2479. Available at: <<http://www.joralres.com/index.php/JOR/article/view/joralres.2020.011>>.
- Patel N. Impact on Dental Economics and Dental Healthcare Utilization in COVID-19: An Exploratory Study. *Journal of Advanced Oral Research*. August 2020. doi:10.1177/2320206820941365
- Karimi, Seyed; DuPre, Natalie; McKinney, W. Paul; Little, Bert B.; Patel, Naiya; and Moyer, Sarah (2020) "Projecting the COVID-19 Weekly Deaths and Hospitalizations for Jefferson County, Kentucky," *The University of Louisville Journal of Respiratory Infections*: Vol. 4 : Iss. 1 , Article 44.

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- Patel, N; Patel, N (2021) “: Expansion of Preventive Dental Service Coverage for Certain Medicaid Beneficiaries in Texas- Call for Dental Policy Effectiveness Action”, Journal of American Dental Association (under review).
- Patel, N. (2020) Qualitative Research Methodology and its Scope in Health Services Research. Journal of Neurological Research And Therapy - 3(2):18-21.
- Patel, N. Building a culture of health in Kentucky to address racism a public health crisis. MOJ Public Health. 2022;11(3):75–81. DOI: 10.15406/mojph.2022.11.00379
- Patel, N. (2021) COVID-19 Vaccine Production and Potential Market Characteristics for Pharmaceutical Companies to Enter the Market-Perfect Competition, Profit Maximization, and Externalities. DOI: 10.46998/IJCMCR.2021.14.000350
- Patel, N. (2021). Understanding Barriers and Facilitators for Telehealth Implementation in Healthcare Delivery System During COVID-19-Call for Action. Biomedical Journal of Scientific & Technical Research, 38(2), 30125-30132.

Health Policy Reports

- The published reports on COVID-19 informing Kentucky state governor and health policy decision makers can be found at <https://louisville.edu/sphis/research/covid-19-projections>
- The published health policy brief titled “The Impact of Medicaid Managed Care on Non-Office-Based Service Utilization Among Kentucky Medicaid Beneficiaries with Chronic Disease” informing both private and public stakeholders can be found at <https://louisville.edu/sphis/departments/cik/policy-briefs>
- The published data brief titled “Area Health Resource Files (AHRF) Data” on Area Health Resource Files can be found at <https://louisville.edu/sphis/departments/cik/data-briefs>
- Health Policy report titled “How Useful Are Digital Health Terms for Outcomes Research? An ISPOR Special Interest Group Report” published in Value in Health journal can be found at <https://doi.org/10.1016/j.jval.2022.04.1730>

Book

- B Suresh Lal and Naiya Patel (2020). Economics of Covid-19 Digital Health Education and Psychology, Adhyayan Publishers New Delhi, India ISBN-10 : 9388804775. *Foreword provided by highest Indian civilian award winner Prof. Sukhdeo Thorat (Padma Shri).*

Media Highlights

- [Long Island University Headlines](#) on contribution towards international book on COVID-19

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- COVID-19 projection reports for Kentucky State- [Louisville Business first](#)
- COVID19 death projection report- [89.3 WFPL](#)
- [AcademyHealth Blogpost](#) on dentalcare cost reduction and better outcomes
- [University of Louisville](#) interview on my COVID-19 published book titled “Economics of COVID-19: Digital Health, Education and Psychology”

Invited Talks

- Student Research Spotlight ISPOR Europe 2020 on “Projecting the COVID-19 Weekly Deaths and Hospitalizations for Jefferson County Kentucky” under conference theme Advancing Evidence to action
- Fireside Chat ISPOR student chapter at University of Washington on my research interests and about ISPOR 2020 student research spotlight
<https://soundcloud.com/isporfiresidechat/episode-3-naiya-patel-samuel-crawfords-research-spotlight>
- ISPOR 2021 Europe conference podium presentation on “Projecting COVID-19 Hospitalizations and Deaths Under Scenarios of Vaccination in Jefferson County, Kentucky”

SERVICE

Reviewer of Journals- [Reviewer Record](#)

- MedCrave Journal of Public Health
- Reviewer board member of SOJ Nursing and Healthcare journal
- Pedagogy in Health Promotion by SAGE publications
- Reviewer BMJ open Journal
- Journal of Advanced Oral Research SAGE Publications
- Journal of Health Research and Reviews Wolters Kluwer
- Reviewer Board Panel SAGE

Editor

- Indonesian Journal of Health Administration
- American Journal of Epidemiology and Public Health
- Journal of International Oral Health
- Journal of Environment and Life Science

Faculty Search Committee University of Louisville 2022-2023

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- Assist department in the selection and decision-making process for potential faculty candidates

Judge

- 2022 Undergraduate Arts & Research Showcase University of Louisville

POSTER PRESENTATIONS

- **Bristol-Myers Squibb Symposium 2017-** Use of Real-world data in improving clinical trial design
- **ADEA conference California 2017** – Tobacco and Dental Education: Dental Student Use, Knowledge, and Beliefs about Tobacco Products
- **Long Island University 2018** – Discovery Day “Student’s perceptions about the effectiveness of flipped classroom in public health graduate course”
- **Society for Public Health Education 2018 annual conference abstract submission-** Student’s perceptions about the effectiveness of flipped classroom in public health graduate course
- **CHOT Seattle 2019** - Diabetes medication adherence among Medicaid enrollee by observing copayment and no copayment- report
- **ISPOR Europe 2020-** Projecting COVID 19 Weekly Deaths and Hospitalizations for Jefferson County Kentucky- research paper abstract
- **KPHA 2021-** Projecting COVID-19 Hospitalizations and Deaths Under Scenarios of Vaccination in Jefferson County, Kentucky
- **AcademyHealth 2021-** Projecting COVID-19 Hospitalizations and Deaths Under Scenarios of Vaccination in Jefferson County, Kentucky