

Nitika Jain

Mental health Epidemiologist, Marion County health department, 3901 Meadows drive Indianapolis IN 46205

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Education

PhD Epidemiology (Minor in Social and Behavioral Science) - Fairbank's School of Public health, IUPUI
Aug 2015- present

M.P.H (Epidemiology) - Fairbank's School of Public health, IUPUI Aug 2012- Aug 2014

M.B.B.S (Bachelors in Medicine and Bachelors in Surgery) -SSR Medical College, Belle Rive, Mauritius
June 2001-June 2006

Skills

Proficient in SAS, Microsoft excel, access, power point, and word

Public Health Experience

Mental Health Epidemiologist Health and Hospital Corporation of Marion County June 2016 – Present

Serving as the Lead evaluator for:

SAMHSA funded First Responders - Comprehensive Addiction and Recovery Act (FR-CARA) grant

HRSA funded Substance abuse service expansion learning collaborative grant

Vaccine preventable disease Intern at Indiana State department of health (ISDH) May 2016- June 2016

Developed SAS code to assess the completeness of vaccination data obtained from various local health departments in Indiana and calculated the mid-year performance targets as per the CDC guidelines

Public health Corps Member at Richard M Fairbanks School of Public health, IUPUI
Nov 2015 – Dec 2016

Provided public health assistance to organizations such as St Vincent's Dunn Hospital, Lawrence County and Indiana CTSI/CHEP network

Public health intern at Indiana University center for health services and outcomes research, VA hospital
Oct 2013- May 2014

Assisted a study measuring the incidence and prevalence of pain symptoms and key indicators in patients with major psychiatric disorders.

Student public health consultant at Wishard- Eskanazi health systems Sep 2013- Jan 2014

Conducted **community health needs assessment** of Fountain square area in Indianapolis with a team of public health students led by a senior faculty

Research Experience

Visiting Graduate Research Associate at Regenstrief Institute, Indianapolis Aug 2015 – present

Analysing Spinal cord injury data to look at the trends of depression as a comorbidity using SAS software in the Unix environment

Senior Research Associate at Lab of Neurophenomics and Psychiatric genetics, Department of Psychiatry, Indiana University School of Medicine (http://www.neurophenomics.info/lab_members.php)
March 2011-May 2015

Worked on multiple psychiatric genetic studies and trained the summer interns, students and volunteers in database management and research techniques

Research Assistant at the Department of Psychiatry, University of Pennsylvania **May 2010-Jan 2011**

- Worked on a project which involved generating lines of transgenic mice expressing the red reporter protein td tomato in their serotonin neurons and looking at the expression of the same in the brain cells of mice using immunohistochemistry techniques.
- Assisted in the study on Night eating syndrome and weight management during pregnancy with the help of behavioural techniques.

Clinical Experience

Extern at VA Hospital (General Psychiatry) and Riley Children hospital (Child Psychiatry)
July 2011- March 2012

Resident Doctor at Department of Medicine and Psychiatry, Dr Ram Manohar Lohia Hospital, Delhi, India
Mar 2008–June 2009

Managed all types of diseases and emergencies including infectious, chronic and psychiatric

Medical Intern at St Stephens Hospital, New Delhi, India **Dec 2006-Nov 2007**

Accreditation and Special Skills Certification

- **ECFMG Certified**
- Registered in the Delhi Medical Council and the Medical Council of India for medical practice.

Projects

- Developed a Program plan to educate the religious leaders about Mental health and related stigma in collaboration with Centre for Interfaith Cooperation, Indianapolis
- Community-based participatory research project in collaboration with Partnership for healthy Hamilton County (PHHC) to evaluate the effect of financial hardships on mental and emotional health with the help of key informant interviews and analysing qualitative data.
- Quantitative measure of Anxiety across Major Psychiatric disorders – A Statistical analysis
- Mental health- an area of concern in Rural India – developed a program plan which strives to introduce mental health services in the local health centres of rural parts of India and reduce the stigma associated with mental illness.(<https://sites.google.com/site/jainmp500/>)
- Role of blood biomarkers and omega 3 fatty acids in depressive symptoms among the US population: A cross- sectional analysis of NHANES 2009-2010 data.
- Association of pain interference in daily activities with depressive symptoms among the US population- A cross sectional analysis of 2009-2010 NHANES data.

Grants

- Co-author, FY 2017 Substance Abuse and Mental Health Services Administration (SAMHSA) First Responders - Comprehensive Addiction and Recovery Act Cooperative Agreement. Award up to \$250,000 – \$800 000 per year
- Co-author, FY 2017 Health Resources and Services Administration (HRSA) Access Increases in Mental Health and Substance Abuse Services (AIMS) grant. Award up to \$75,000

Publications

- Rangaraju, S., Levey, D. F., Nho, K., **Jain, N.**, Andrews, K. D., Le-Niculescu, H., . . . Niculescu, A. B. (2016). Mood, stress and longevity: convergence on ANK3. *Molecular Psychiatry*, 21(8), 1037-1049. doi:10.1038/mp.2016.65
- Niculescu ,A.B., Levey, D.F., Phalen, P.L., Le-Niculescu, H., Dainton, H.D., **Jain, N.**,...Solomon, D.R. (Nov, 2015). Understanding and predicting suicidality using a combined genomic and clinical risk assessment approach. *Molecular Psychiatry* 20 (11), 1266-1285. doi: 10.1038/mp.2015.112
- Levey, D.F., Le-Niculescu, H, Frank, J., Ayalew, M., **Jain, N.**, Kirilin, B.,.....Niculescu, A.B. (May, 2014). Genetic Risk Prediction and Neurobiological Understanding of Alcoholism. *Molecular Psychiatry*. 4:e391. doi: 10.1038/tp.2014.29.

- Le-Niculescu, H., Levey, D.F., Ayalew, M., Palmer, L., Gavrin, L.M., **Jain, N.**,..., Niculescu, A.B. (Aug, 2013). Discovery and validation of blood biomarkers for suicidality. *Molecular Psychiatry* 18 (8), 1-16. doi: 10.1038/mp.2013.95
- Ayalew, M., Le-Niculescu, H., Levey, D.F., **Jain, N.**, Changala, B., Patel, S.D.,..., Niculescu, A.B. (2012, May). Convergent functional genomics of schizophrenia: from comprehensive understanding to genetic risk prediction. *Molecular Psychiatry*, 17, 887-905. doi:10.1038/mp.2012.37.