

Establishing an Association Between the Incidence of Mood Disorders in Patients Experiencing Anogenital Pruritus

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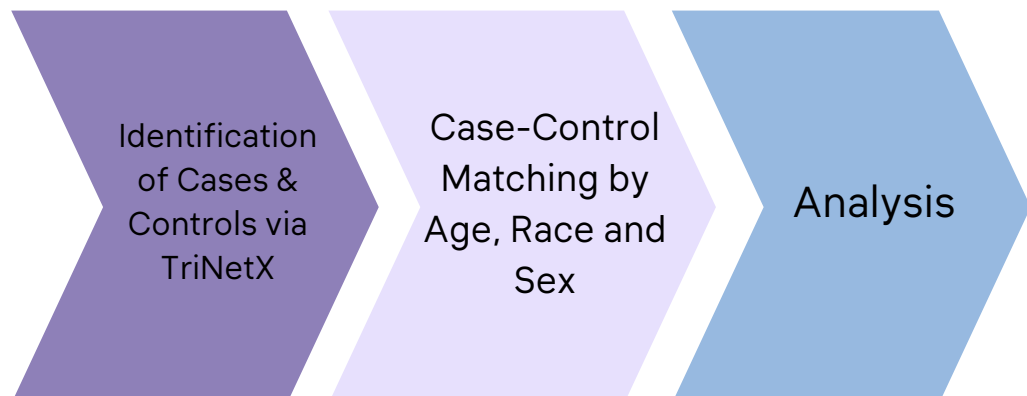
Background

- Chronic pruritus is associated with decreased quality of life, psychological stress, depression, and anxiety. [1]
- Previous studies have evaluated the effects of other forms of localized or generalized pruritus on quality of life.
- Anogenital pruritus (AP) has been associated with stigmatization experiences and sexual dysfunction. [2] however there are few studies specifically examining AP.

Objective

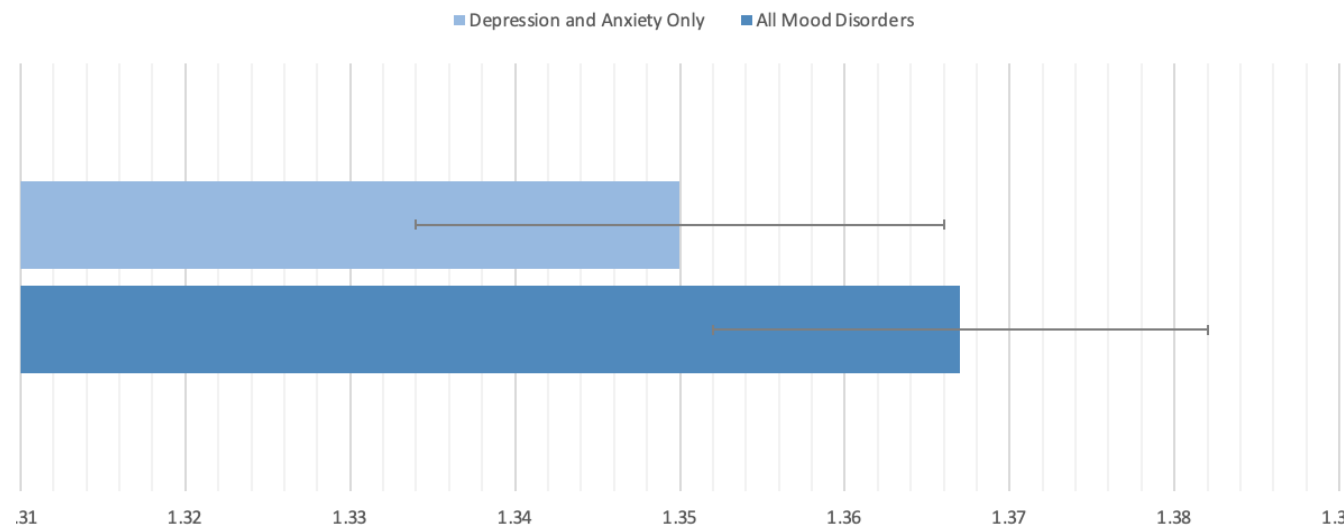
Perform a population-level retrospective case-control study to evaluate the association between AP and mood disorders (MD) using TriNetX, a global health research network of over 100 million patients.

Methods



Results and Analysis

Odds Ratio Of Mood Disorders in Anogenital Pruritus Compared to Control



Category	Odds Ratio	95% Confidence Interval	P-value
All Mood Disorders			
Anogenital pruritus compared to encounter for general medical exam	1.367	1.352-1.382	<0.0001
Depression and Anxiety			
Anogenital pruritus compared to encounter for general medical exam	1.35	1.334-1.365	<0.0001

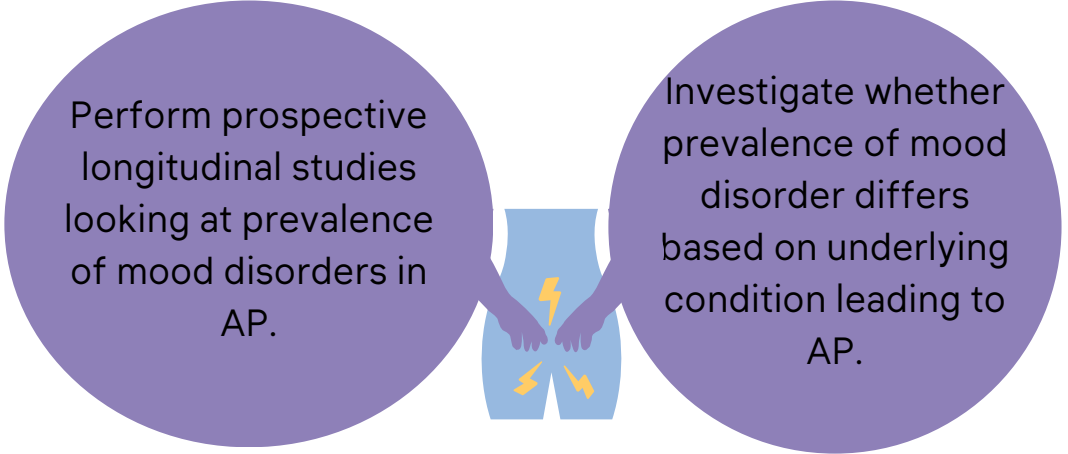
Mood disorders included in the analysis are depressive episode, major depressive disorder (MDD), persistent mood disorder, bipolar disorder, unspecified mood disorder, manic episode, anxiety disorder, dissociative disorder, and stress-related disorder

Characteristic	Anogenital Pruritus (N=286,109)	General Examination (N=286,109)
Age, mean (SD)	41.7 (20.4)	41.7 (20.4)
Female	79.44%	79.44%
Male	20.17%	20.17%
Unknown Sex	0.37%	0.37%
Not Hispanic or Latino	65.30%	65.30%
Unknown Ethnicity	22.02%	22.02%
Hispanic or Latino	12.67%	12.67%
White	60.64%	60.64%
Other Race	17.74%	17.74%
Black or African American	16.82%	16.82%
Asian	3.95%	3.95%
American Indian or Alaska Native	0.39%	0.39%
Native Hawaiian or Other Pacific Islander	0.28%	0.28%

Discussion & Conclusions

Key Findings	Limitations
<p>There was a significant association between anogenital pruritus (AP) and mood disorders.</p> <p>Patients who present with AP may benefit from being screened for depression and anxiety.</p>	<ul style="list-style-type: none"> The retrospective nature Use of ICD-10 codes could lead to misdiagnosis. Inability to evaluate underlying cause of anogenital pruritus

Future Directions



References and Acknowledgments



SCHOOL OF MEDICINE
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 Discover • Teach • Heal

Authors do not have affiliations to disclose.