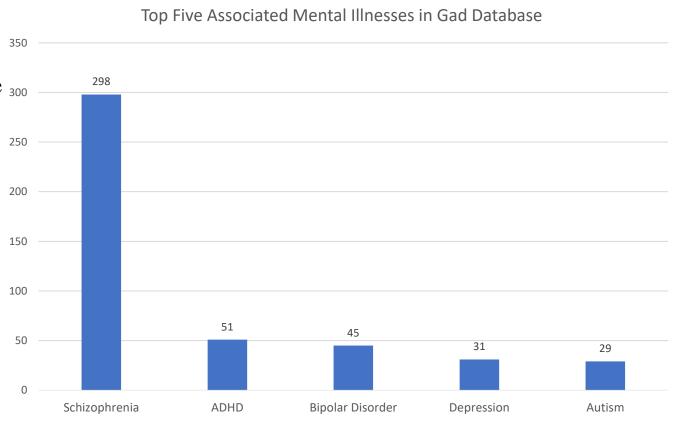
Does Asthma Increase The Risk of Schizophrenia?

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By incorporating SQL queries to analyze the Gad database, it was possible to research the connections between asthma and schizophrenia. The query below outputted a table of the 300 top 5 phenotypes within the psychiatric disease classification that has a positive association with asthma. 250

SELECT phenotype, count(association) AS
'num_records'
FROM gad
WHERE disease_class = 'PSYCH' AND association
!= "AND association = 'Y'
GROUP BY phenotype
ORDER BY num_records DESC
LIMIT 5;



When comparing the phenotypes, Schizophrenia has an overwhelming association to asthma compared to the other four phenotypes. There is a difference of 247 reports between the top two associated phenotypes. It can be concluded that there is a stronger connection between asthma and schizophrenia compared to any other mental illness.

