

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 top 5 phenotypes within the psychiatric disease classification that has a positive association with asthma.

```
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.

Top Five Associated Mental Illnesses in Gad Database

