

FDA PROJECT

(Adverse Effect of Medicines)

From the provided file we can say that the Data is derived from US Food and Drug Administration (FDA), Center for Drug Evaluation and Research (CDER), Office of Surveillance and Epidemiology (OSE).

GenNext is a Life Science company who wants to understand the ADVERSE EFFECT of medicine, their purpose is to understand:

- How a certain medication has Adversely affected patients?
- What amount of dose they had consumed or given?
- In which part of world, the adverse reaction has happened?
- Patients gender
- Their age
- What was the reaction
- Was impact of reaction happened (was it a Death or just Hospitalization)
- Which were the medicine that happened to create most adverse effect like top 5 or top 20
- Was there a connection between a country and adverse effect?
- When the adverse effect happened, on what date, and was it informed to manufacturer and when was it informed and how many times it was informed
- After recovery on second instance did the same reaction took place in the patient

This visualization will help GenNext to monitor what kind of adverse effect has occurred and what medicine had created it, which can be evaluated for change in dosage or whole the medicine must to dumped from FDA.

About the Dataset:

Columns: 90

Rows: 1,037,900

Columns Headers:

Age Bracket, Age Group Age, AGG CaseID, min year date, max year date, Calculation
569142461016309766, Case Count, Category, Drug Reaction Grouping, Drug Reactions, Electronic
Submission Flag, Event Date, Event Dt, Event Location, Female Icon, Gender (Null Color), MFR
Notification Flag, Male Icon, Max Event Date, Min Event Date, Number of Records (Extract1), Number of
Records, Patient Age Code, Patient Gender, Patient Outcome (group), Patient Outcome, Patient Weght,
Reaction Term, Reporter Occupation, Weight UoM, Weight, X, Y Zero, Auth Num, caseid
(DRUG16Q1.txt), caseid (INDI16Q1.txt), caseid (OUTC16Q1.txt), caseid (REAC16Q1.txt), caseid
(RPSR16Q1.txt), caseid (THER16Q1.txt), Caseid, Caseversion, Cum Dose Chr, Cum Dose Unit, Dechal,
Dose Amt, Dose Form, Dose Freq, Dose Unit, Dose Vbm, Drug Rec Act, Drug Seq, Drugname, Dsg Drug
Seq, Dur, Dur Cod, End Dt, Event Dt1, Exp Dt, Fda Dt, I F Code, Indi Drug Seq, Indi Pt, Init Fda Dt, Lit Ref,
Lot Num, Mfr Dt, Mfr Num, Mfr Sndr, Nda Num, primaryid (DRUG16Q1.txt), primaryid (INDI16Q1.txt),

primaryid (OUTC16Q1.txt), primaryid (REAC16Q1.txt), primaryid (RPSR16Q1.txt), primaryid (THER16Q1.txt), Primaryid, Prod Ai, Pt, Rechal, Reporter Country, Rept Cod, Rept Dt, Role Cod,Route, Rpsr Cod, Start Dt, Val Vbm

NOTE:

As there being massive number of rows fitting visualization of more than 2 or 3 sheets on one Dashboard is creating a lot confusion if such kind of dashboard is creating a cluttered Dashboard, so I had split the project in 3 DASHBOARDS for better understanding. So, it gives clear visuals about our analysis.