

# **CHILD FATALITY ANALYSIS**

## **(2011-2016)**

Visualizing leading causes and patterns in child death  
reports across US states

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# INTRODUCTION

## Objective:

This analysis explores child death data collected from U.S. states between 2011 and 2016, aiming to:

- Identify the major causes of child fatalities
- Observe patterns across age groups and states
- Provide insights to guide preventive efforts

## Data Includes:

- Total cases: 6511
- Death frequency: 2506 cases
- States covered: 30
- Age groups: Infant, Toddler, Child, Teen

# DASHBOARD OVERVIEW

## About the Dashboard:

This dashboard was created to combine key visualizations in one place for better understanding and decision-making.

## Dashboard Features:

- KPI Summary: Total cases, resolved cases, state-wise counts
- Bar Charts: Year-wise and state-wise trends
- Pie Chart: Breakdown of causes of death
- Line Chart: Age group distribution
- Slicers: For gender, age, cause, year, and service received

**Tools Used:** Microsoft Excel / Power BI (or your tool)

# YEAR-WISE DEATH TREND

## Observation:

- Child deaths remained consistent from 2011 to 2015, peaking in 2015 with 1,365 deaths.
- There was a sharp decline in 2016, with only 96 cases, likely due to incomplete or partial data.

**Insight:** Sustained high fatality rates suggest ongoing systemic issues over the 5 years.

# CAUSE OF DEATH FREQUENCY

## Top Causes Identified:

- Abuse/Assault
- Medical Negligence
- Neglect
- Environmental causes
- Unknown causes

## Insight:

A few causes are responsible for a large proportion of deaths.  
Many deaths fall into “Unknown,” indicating a lack of reporting or investigation.

# STATE-WISE DEATH SUMMARY

## Key Observations:

- Indiana (IN) had the highest number of reported deaths (5), followed by Texas (TX) and Oregon (OR) with 4 each.
- Many states reported only 1 or 2 cases—likely underreported.

Limitation: State reporting is inconsistent, possibly affecting accuracy and trends.

# AGE GROUP DISTRIBUTION

## Data Insights:

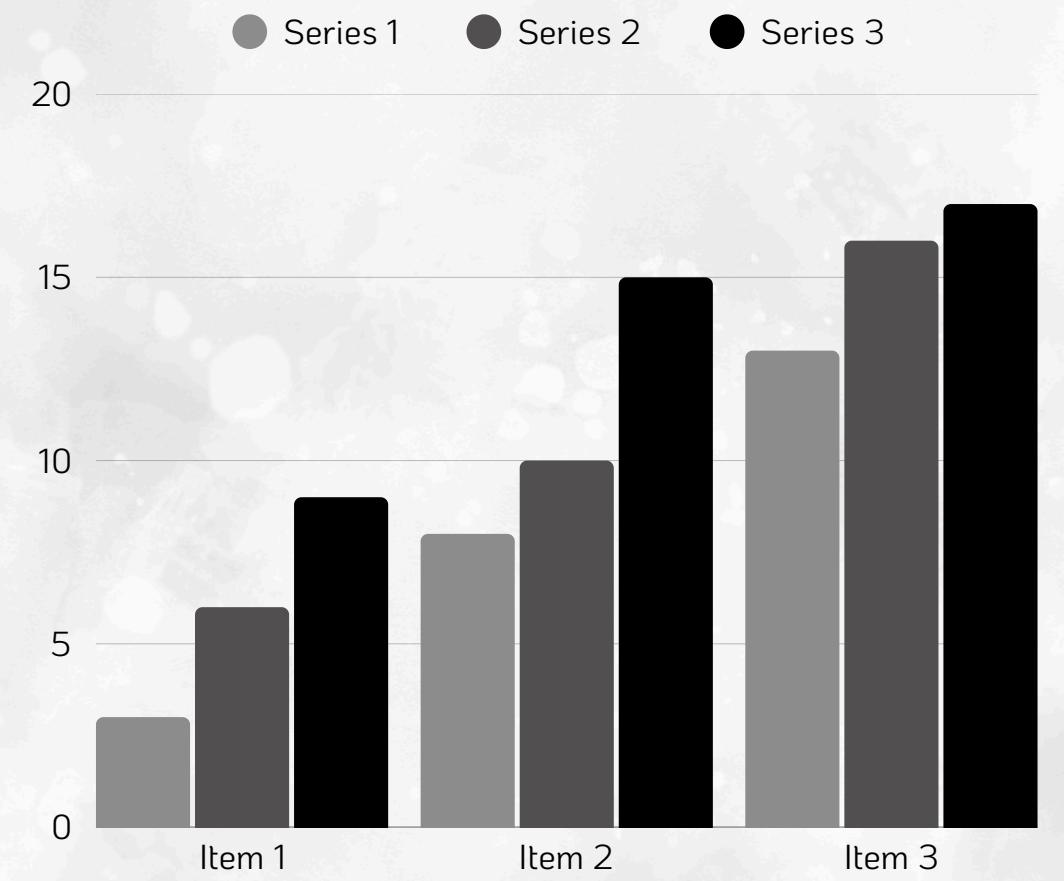
- Infants are the most affected group with 784 deaths.
- Followed by Toddlers (336), then Children (137).
- Teens had the lowest recorded deaths (77).

## Insight:

- Interventions should focus more on infants and toddlers, who are most vulnerable.

# KEY INSIGHTS & FINDINGS

- Child fatalities remained high from 2011 to 2015.
- Abuse, neglect, and medical negligence are leading causes.
- Infants face the highest risk, needing more targeted protection.
- Data inconsistency across states and years may hide actual severity.
- "Unknown cause" classification needs to be minimized through better investigations.



# RECOMMENDATIONS

Suggested Actions:

- Strengthen child protection policies, especially for infants.
- Improve reporting standards and completeness across states.
- Conduct deeper studies into medical negligence and assault-related deaths.
- Raise awareness and train healthcare and childcare workers.

# **THANK YOU**

I HOPE THIS ANALYSIS CONTRIBUTES TO MORE INFORMED AND IMPACTFUL DECISIONS IN CHILD WELFARE.

ANY QUESTIONS OR FEEDBACK?

LET'S DISCUSS!