

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY**

**HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 2004**

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
SERIOUS INCIDENTS*					
Air					
Human Error	3	0	0	0	5,900
Package Failure	2	0	3	0	9,200
Vehicular Accident/Derailment	0	0	0	0	0
Other	1	0	0	0	0

SUBTOTAL:	6	0	3	0	15,100
Highway					
Human Error	143	7	1	1	1,427,947
Package Failure	65	8	9	0	1,527,676
Vehicular Accident/Derailment	154	3	4	9	23,640,168
Other	13	4	4	0	1,414,848

SUBTOTAL:	375	22	18	10	28,010,639
Railway					
Human Error	21	3	0	0	211,371
Package Failure	30	5	1	0	775,488
Vehicular Accident/Derailment	26	14	52	3	8,880,538
Other	2	0	0	0	22,500

SUBTOTAL:	79	22	53	3	9,889,897
Water					
Human Error	1	0	0	0	18,500
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	1	0	0	0	18,500
Other					
Human Error	0	0	0	0	0
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	0	0	0	0	0

Total - 2004:	461	44	74	13	37,934,136

Note: Due to multiple causes being involved in a single incident, the total above may not correspond to the total in the other reports.

* PHMSA revised the definition of a serious incident in 2002. This report uses the current definition:

- a fatality or major injury caused by the release of a hazardous material,
- the evacuation of 25 or more persons as a result of release of a hazardous material or exposure to fire,
- a release or exposure to fire which results in the closure of a major transportation artery,
- the alteration of an aircraft flight plan or operation,
- the release of radioactive materials from Type B packaging,
- the release of over 11.9 gallons or 88.2 pounds of a severe marine pollutant, or
- the release of a bulk quantity (over 119 gallons or 882 pounds) of a hazardous material.