

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 2001**

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
SERIOUS INCIDENTS*					
Air					
Human Error	32	0	6	0	27,529
Package Failure	2	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	2	0	0	0	0

SUBTOTAL:	36	0	6	0	27,529
Highway					
Human Error	190	11	3	1	2,856,407
Package Failure	98	1	1	0	1,574,937
Vehicular Accident/Derailment	216	7	2	8	29,707,354
Other	0	0	0	0	0

SUBTOTAL:	504	19	6	9	34,138,698
Railway					
Human Error	16	1	3	0	238,956
Package Failure	17	2	17	3	438,335
Vehicular Accident/Derailment	27	0	0	0	17,628,906
Other	1	0	0	0	42,110

SUBTOTAL:	61	3	20	3	18,348,307
Water					
Human Error	1	0	0	0	22,242
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	22,242
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 - 2001:	602	22	32	12	52,536,776

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.