

**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	7	0	3	0	15,034
Package Failure	1	0	0	0	3,000
Vehicular Accident/Derailment	2	0	0	0	50,000
SUBTOTAL:	10	0	3	0	68,034
Highway					
Human Error	41	11	10	1	509,232
Package Failure	18	1	0	0	534,247
Vehicular Accident/Derailment	356	7	5	8	36,403,600
Other	1	0	0	0	0
SUBTOTAL:	416	19	15	9	37,447,079
Railway					
Human Error	4	1	0	0	51,137
Package Failure	7	2	17	3	76,960
Vehicular Accident/Derailment	54	0	0	0	20,092,439
Other	2	0	5	0	42,110
SUBTOTAL:	67	3	22	3	20,262,646
Water					
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
SUBTOTAL:	0	0	0	0	0
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:	493	22	40	12	57,777,759

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 previous definition:

- a fatality or major injury caused by the release of a hazardous material,
- closure of a major transportation artery,
- the evacuation of 6 or more persons due to the presence of a hazardous material,
- a vehicle accident or derailment resulting in the release of a hazardous material