

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 1996**

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
SERIOUS INCIDENTS*					
Air					
Human Error	9	0	15	110	10,940
Package Failure	1	0	0	0	450
Vehicular Accident/Derailment	0	0	0	0	0
Other	1	0	0	0	0

SUBTOTAL:	11	0	15	110	11,390
Highway					
Human Error	54	13	34	1	272,870
Package Failure	19	8	5	0	215,746
Vehicular Accident/Derailment	292	12	10	5	22,315,414
Other	9	3	0	2	1,044,479

SUBTOTAL:	374	36	49	8	23,848,509
Railway					
Human Error	11	2	6	0	200
Package Failure	18	2	32	0	1,159,456
Vehicular Accident/Derailment	43	2	840	2	15,460,065
Other	4	5	1	0	0

SUBTOTAL:	76	11	879	2	16,619,721
Water					
Vehicular Accident/Derailment	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 - 1996:	461	47	943	120	40,479,620

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