

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE**

CALENDAR YEAR 1999

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
Air					
Human Error	1,410	0	7	0	283,420
Package Failure	171	0	5	0	2,684
Vehicular Accident/Derailment	0	0	0	0	0
Other	1	0	0	0	0

SUBTOTAL:	1,582	0	12	0	286,104
Highway					
Human Error	13,074	18	139	2	7,652,694
Package Failure	1,536	11	33	0	2,039,266
Vehicular Accident/Derailment	307	6	9	7	23,065,382
Other	37	1	0	0	1,602,076

SUBTOTAL:	14,954	36	181	9	34,359,418
Railway					
Human Error	692	1	19	0	1,441,223
Package Failure	299	2	12	0	569,813
Vehicular Accident/Derailment	64	0	0	0	28,655,871
Other	18	0	1	0	27,545

SUBTOTAL:	1,073	3	32	0	30,694,452
Water					
Human Error	7	0	0	0	60,500
Package Failure	1	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	8	0	0	0	60,500
Others					
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 - 1999	17,617	39	225	9	65,400,474

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