

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

Mode / Cause	Incidents	Injuries		Deaths	Damages
		Major	Minor		
CALENDAR YEAR 1997					
Air					
Human Error	826	0	20	0	330,184
Package Failure	202	0	4	0	5,984
Vehicular Accident/Derailment	1	0	0	0	0
Other	2	0	0	0	10

SUBTOTAL:	1,031	0	24	0	336,178
Highway					
Human Error	9,992	9	72	0	4,665,828
Package Failure	1,636	30	28	1	1,346,749
Vehicular Accident/Derailment	264	1	10	10	17,871,071
Other	40	0	2	1	857,404

SUBTOTAL:	11,932	40	112	12	24,741,052
Railway					
Human Error	575	0	24	0	491,276
Package Failure	455	1	14	0	423,288
Vehicular Accident/Derailment	53	0	5	0	7,446,489
Other	19	0	1	0	57,135

SUBTOTAL:	1,102	1	44	0	8,418,188
Water					
Human Error	3	0	0	0	38,145
Package Failure	2	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	5	0	0	0	38,145
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 - 1997	14,070	41	180	12	33,533,563

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