the development of the national age distributions stored in the SourceTypeAgeDistribution table, and remain in the default database for reference.

Table 7-2 MOVES survival rate by age and HPMS class

Age	Motorcycles	Light-Duty Vehicles		Buses	Single Unit Trucks	Combination Trucks
		Passenger Cars	Passenger Trucks Light Comm. Trucks			
0	1.000	0.997	0.991	1.000	1.000	1.000
1	0.979	0.997	0.991	1.000	1.000	1.000
2	0.940	0.997	0.991	1.000	1.000	1.000
3	0.940	0.993	0.986	1.000	1.000	1.000
4	0.940	0.990	0.981	0.990	0.990	0.990
5	0.940	0.986	0.976	0.980	0.980	0.980
6	0.940	0.981	0.970	0.980	0.980	0.980
7	0.940	0.976	0.964	0.970	0.970	0.970
8	0.940	0.971	0.958	0.970	0.970	0.970
9	0.940	0.965	0.952	0.970	0.970	0.970
10	0.940	0.959	0.946	0.960	0.960	0.960
11	0.940	0.953	0.940	0.960	0.960	0.960
12	0.940	0.912	0.935	0.950	0.950	0.950
13	0.940	0.854	0.929	0.950	0.950	0.950
14	0.940	0.832	0.913	0.950	0.950	0.950
15	0.940	0.813	0.908	0.940	0.940	0.940
16	0.940	0.799	0.903	0.940	0.940	0.940
17	0.940	0.787	0.898	0.930	0.930	0.930
18	0.940	0.779	0.894	0.930	0.930	0.930
19	0.940	0.772	0.891	0.920	0.920	0.920
20	0.940	0.767	0.888	0.920	0.920	0.920
21	0.940	0.763	0.885	0.920	0.920	0.920
22	0.940	0.760	0.883	0.910	0.910	0.910
23	0.940	0.757	0.880	0.910	0.910	0.910
24	0.940	0.757	0.879	0.910	0.910	0.910
25	0.940	0.754	0.877	0.900	0.900	0.900
26	0.940	0.754	0.875	0.900	0.900	0.900
27	0.940	0.567	0.875	0.900	0.900	0.900
28	0.940	0.752	0.873	0.890	0.890	0.890
29	0.940	0.752	0.872	0.890	0.890	0.890
30	0.300	0.300	0.300	0.300	0.300	0.300

7.1.2.2. 2012-2050 Age Distributions

The 2012-2050 age distributions were derived from the 2011 age distribution described above using population, survival, and sales projections. Age distributions are easily calculated from population counts, if the populations are known by age:

$$f_{a,y} = \frac{p_a}{P_y} \qquad \text{Equation 9}$$

Here in Equation 9, $f_{a,y}$ is the age fraction to be calculated, p_a is the population of vehicles at age a, and P_y is the total population in calendar year y. In this section, arrow notation will be used if the operations are to be performed at the individual age level. For example, $\overrightarrow{f_y}$ would be