

NAR Data Breakdowns 2006-2007

October 10, 2007

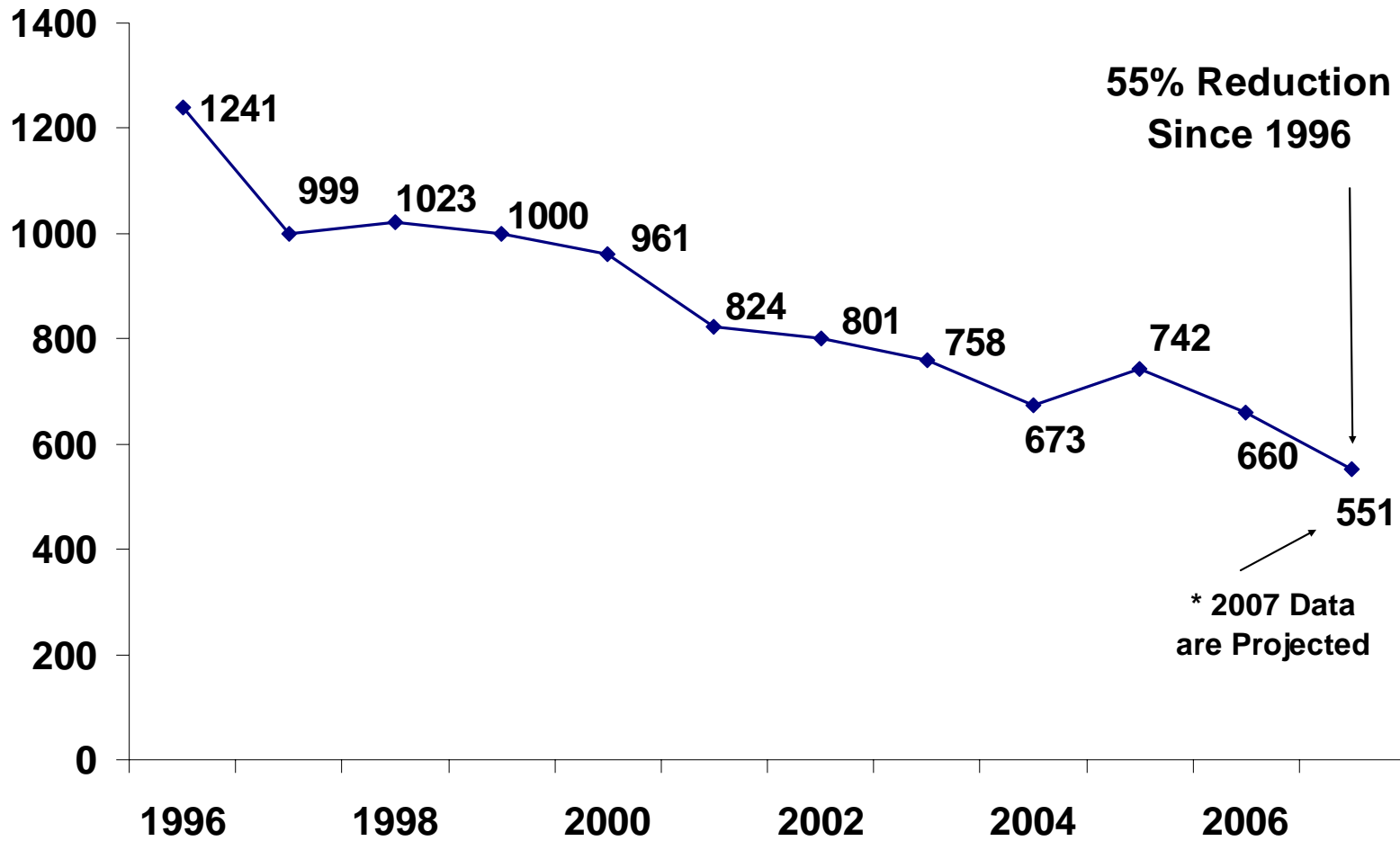
More graphs will be added to this file over time

Source of data: AAR/BOE Database
& Annual Hazmat Reports
All 2007 Data are PRELIMINARY

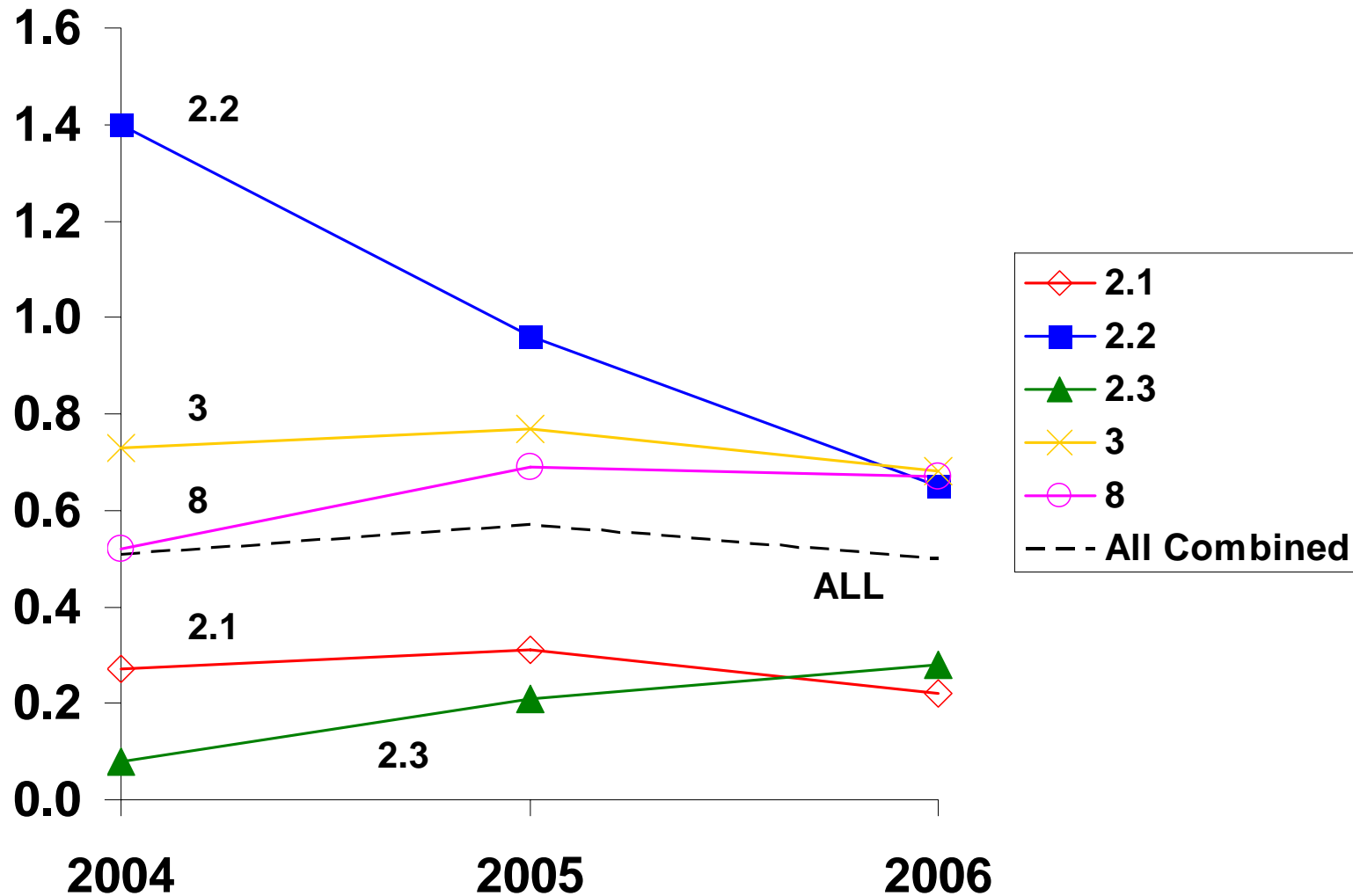
Todd Treichel
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NARs by Year

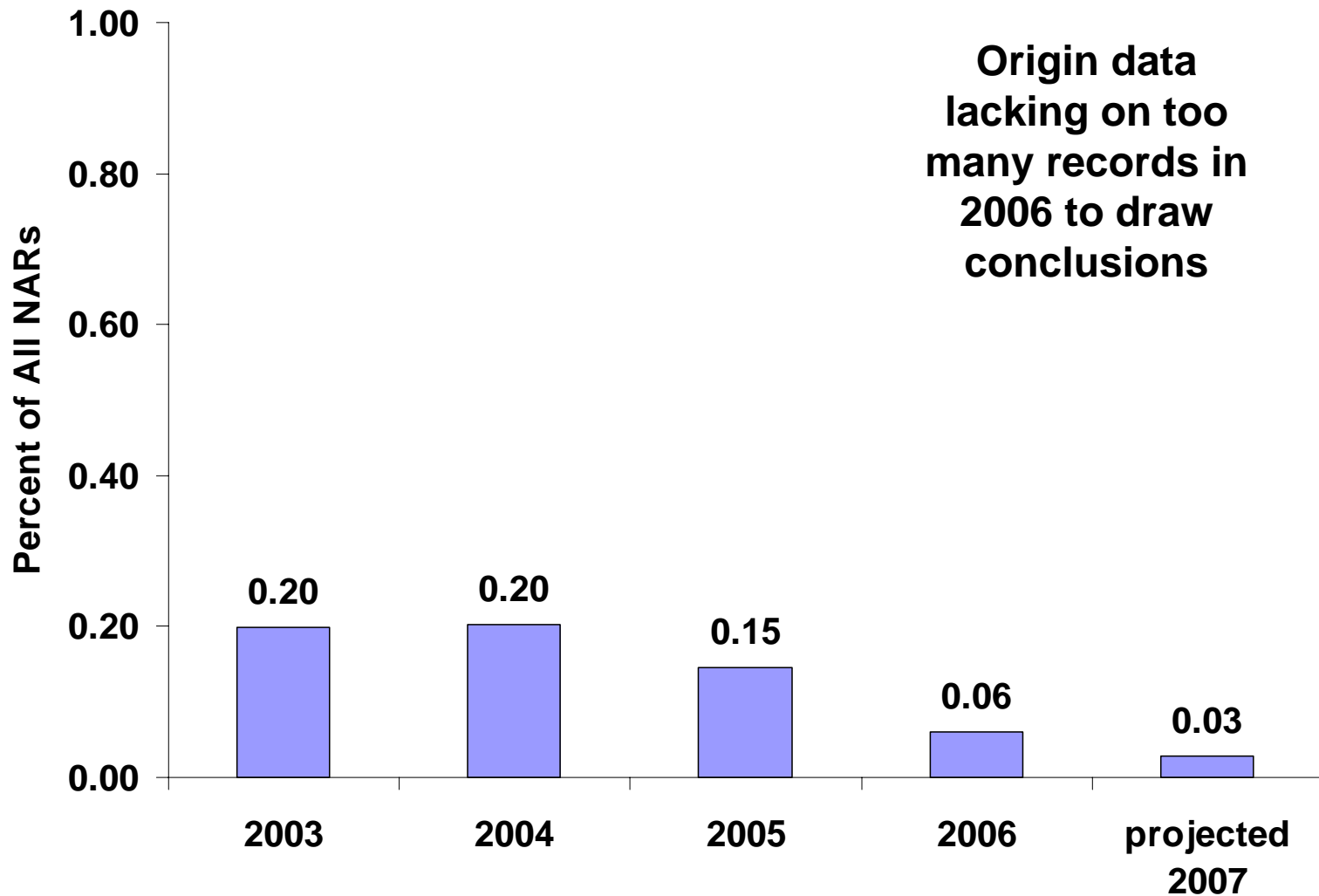
US & Canada



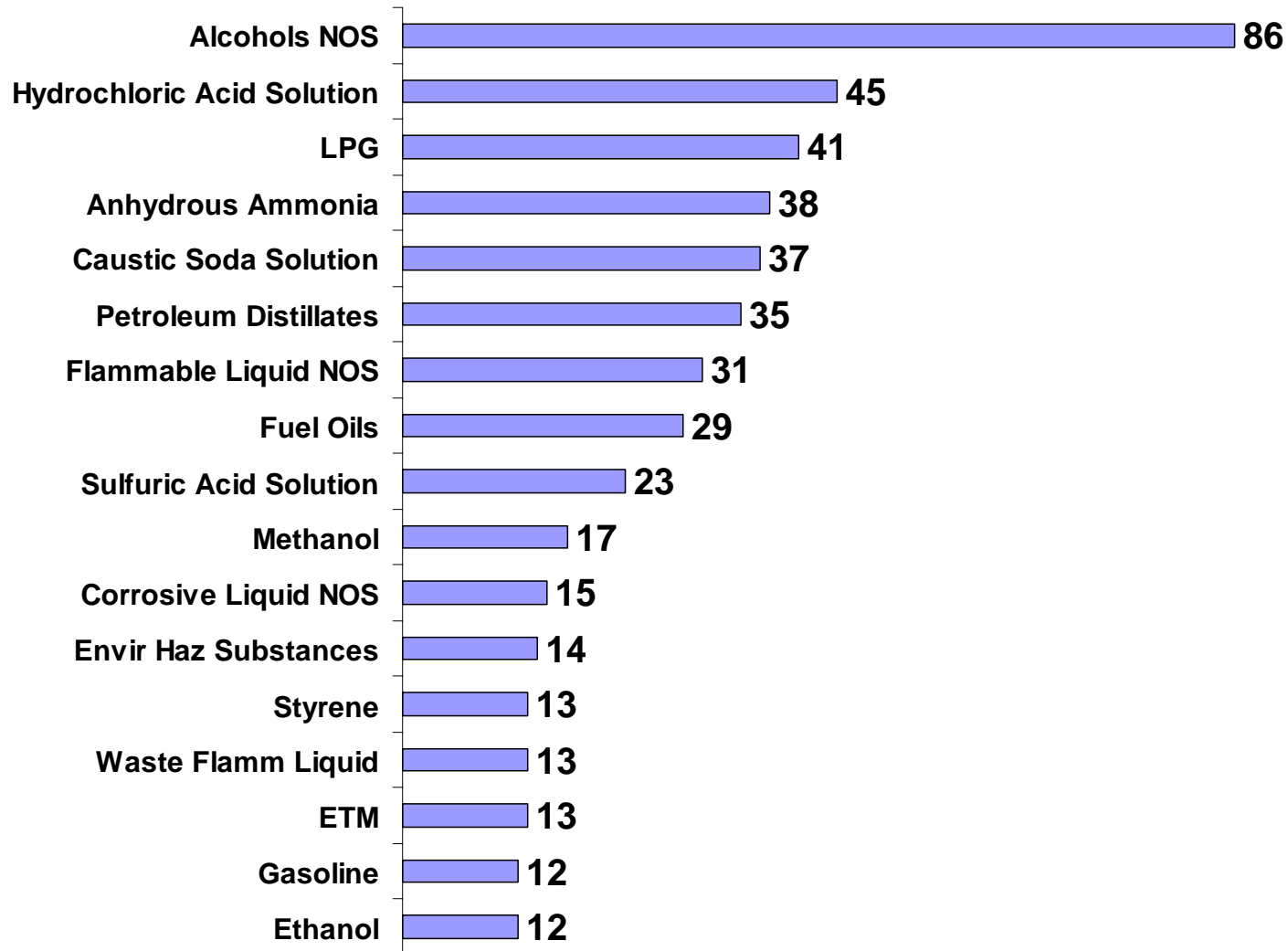
NARs per 1,000 Loads By Hazard Class



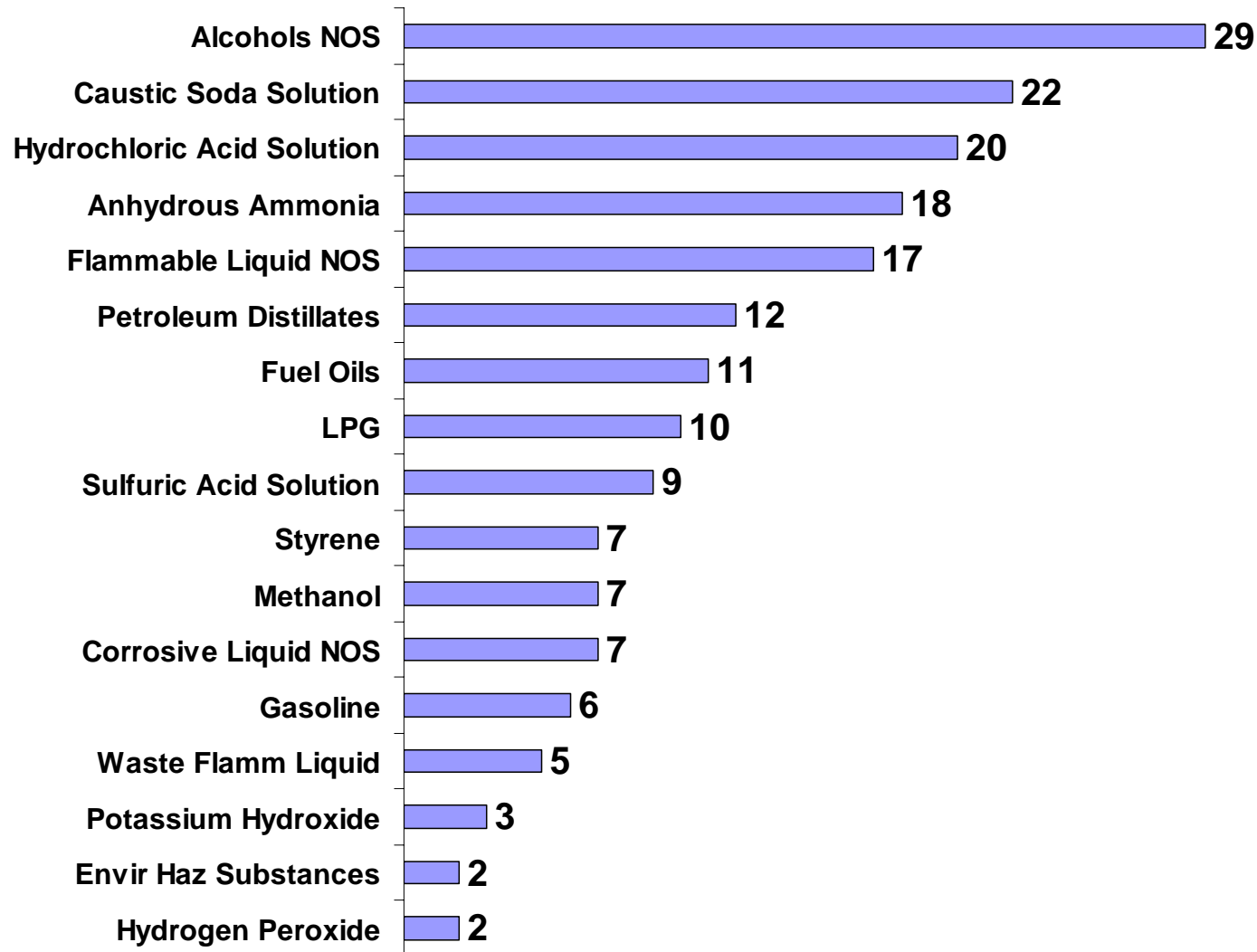
NARs Occurring in Canada as a Percent of All NARs



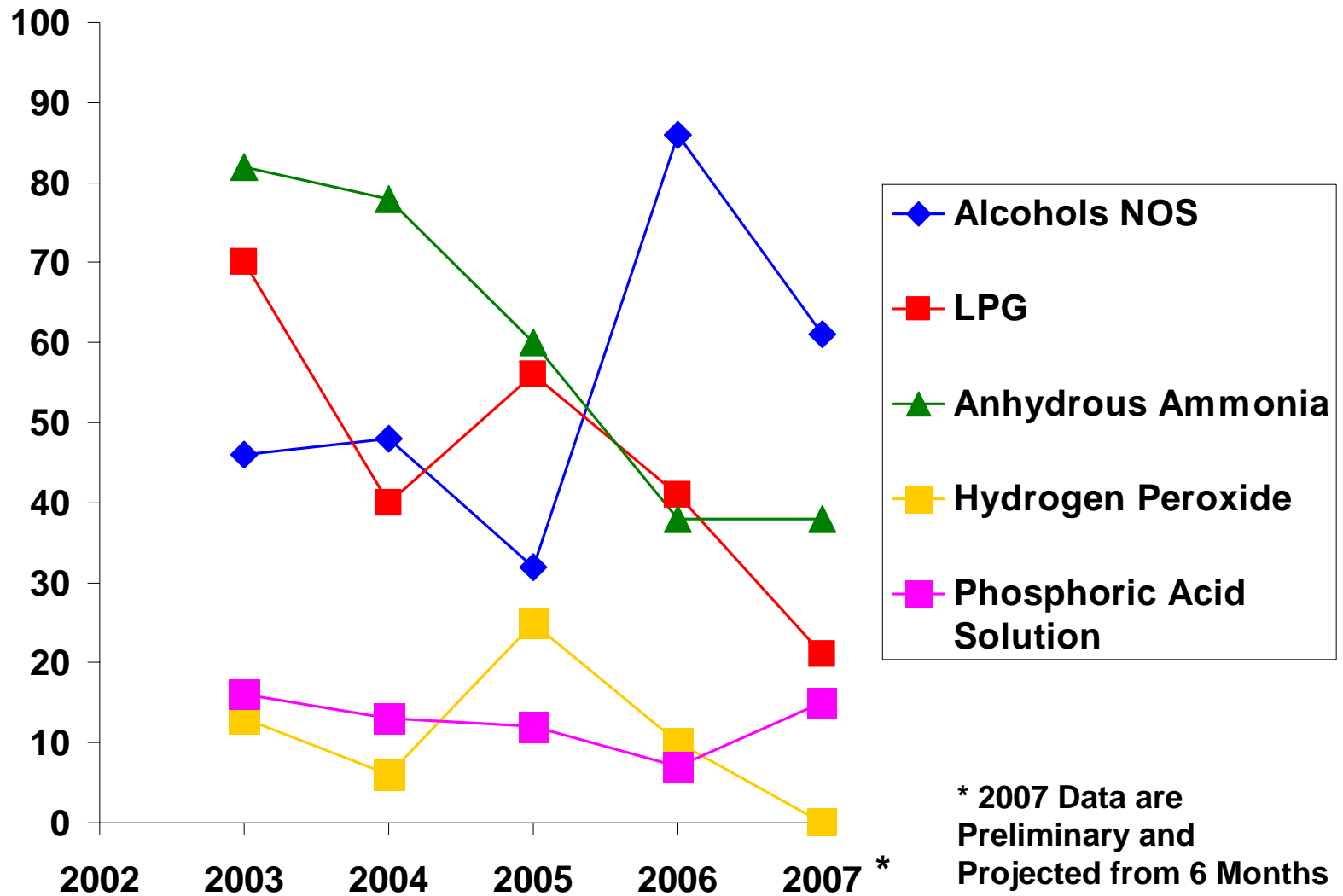
Top Commodities for NARs 2006



Top Commodities for NARs 2007 1st 6 Months Preliminary



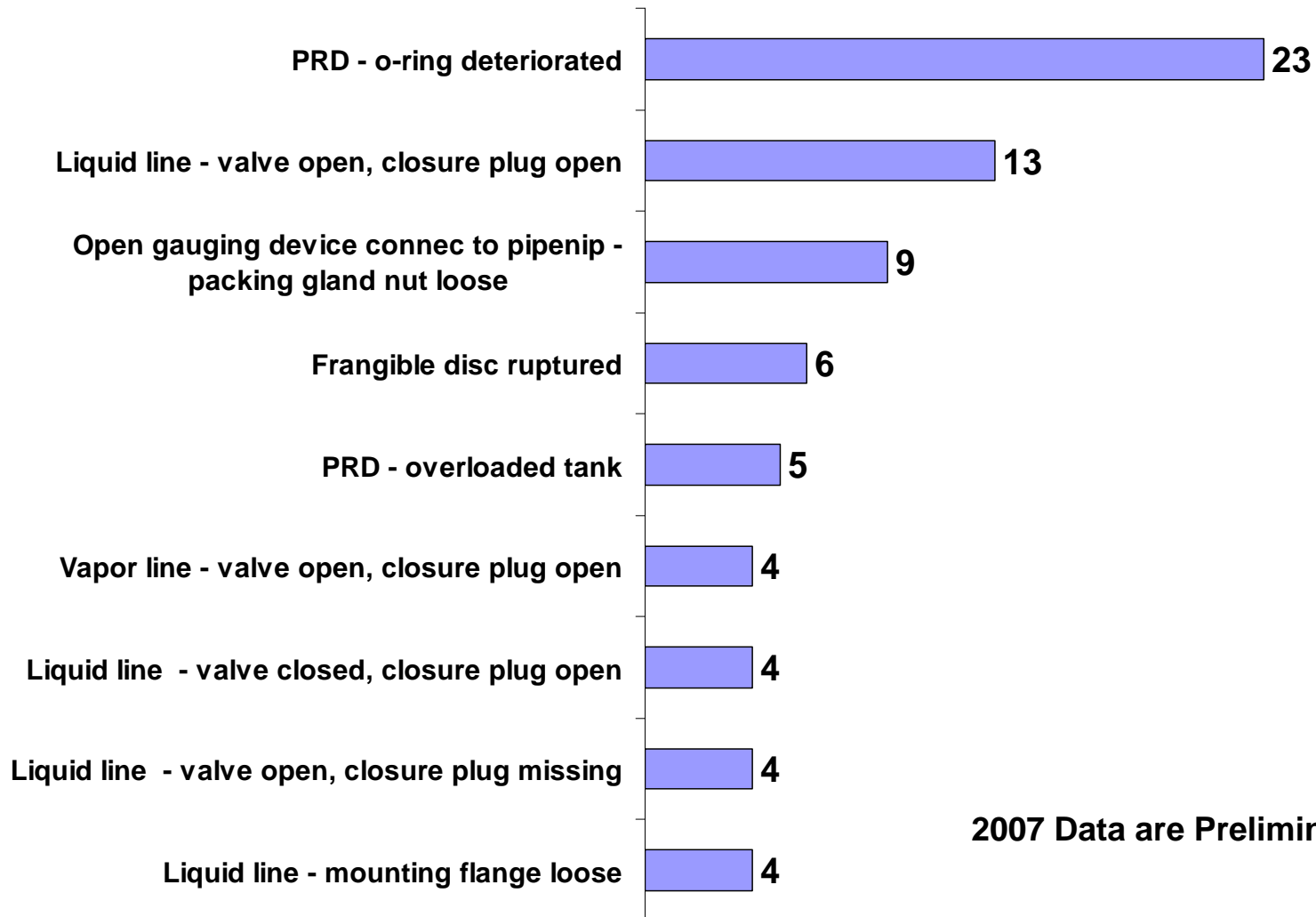
Commodities with Trends of Interest



* 2007 Data are Preliminary and Projected from 6 Months

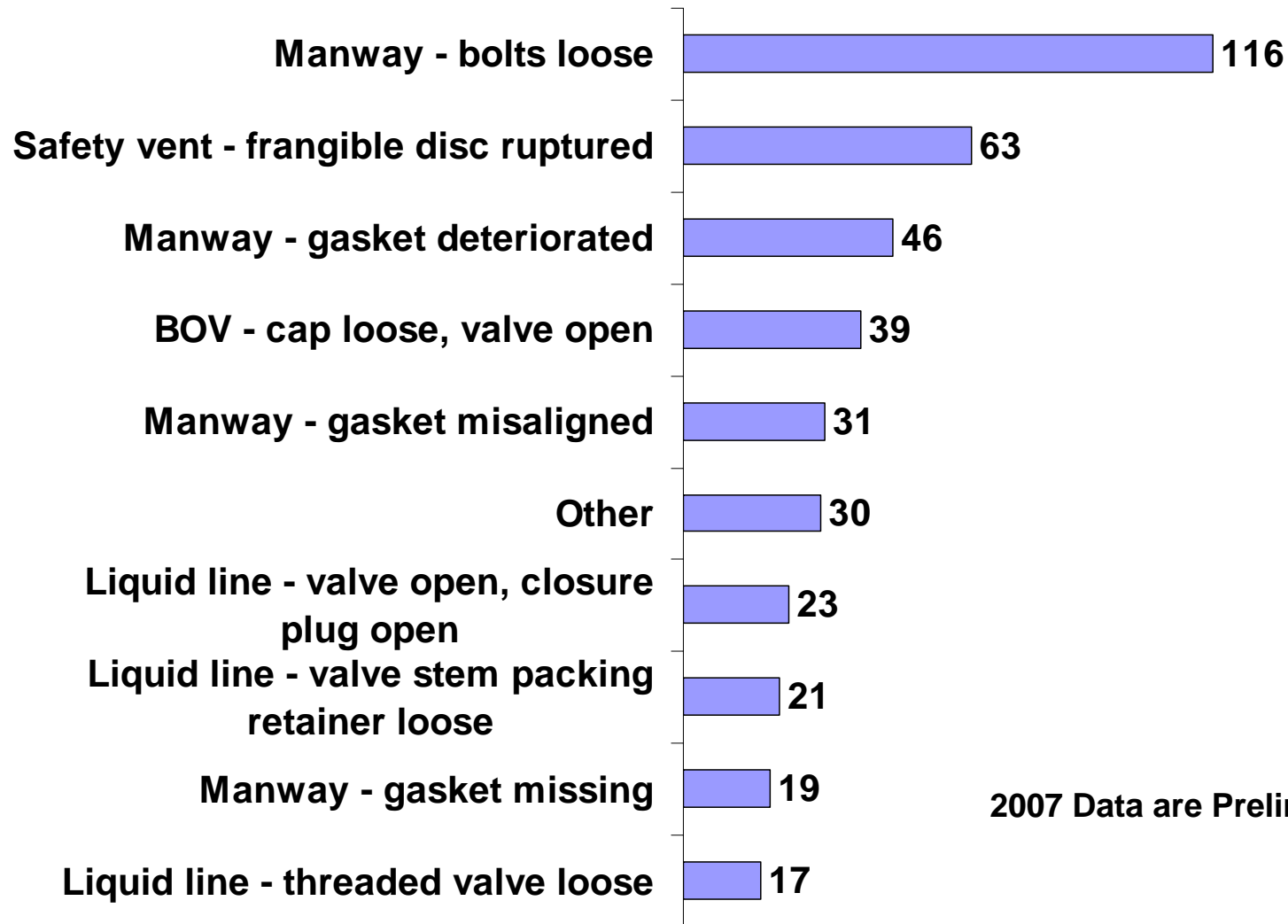
Top Specific Causes for Pressure Cars

2006 + 1st 6 Months 2007



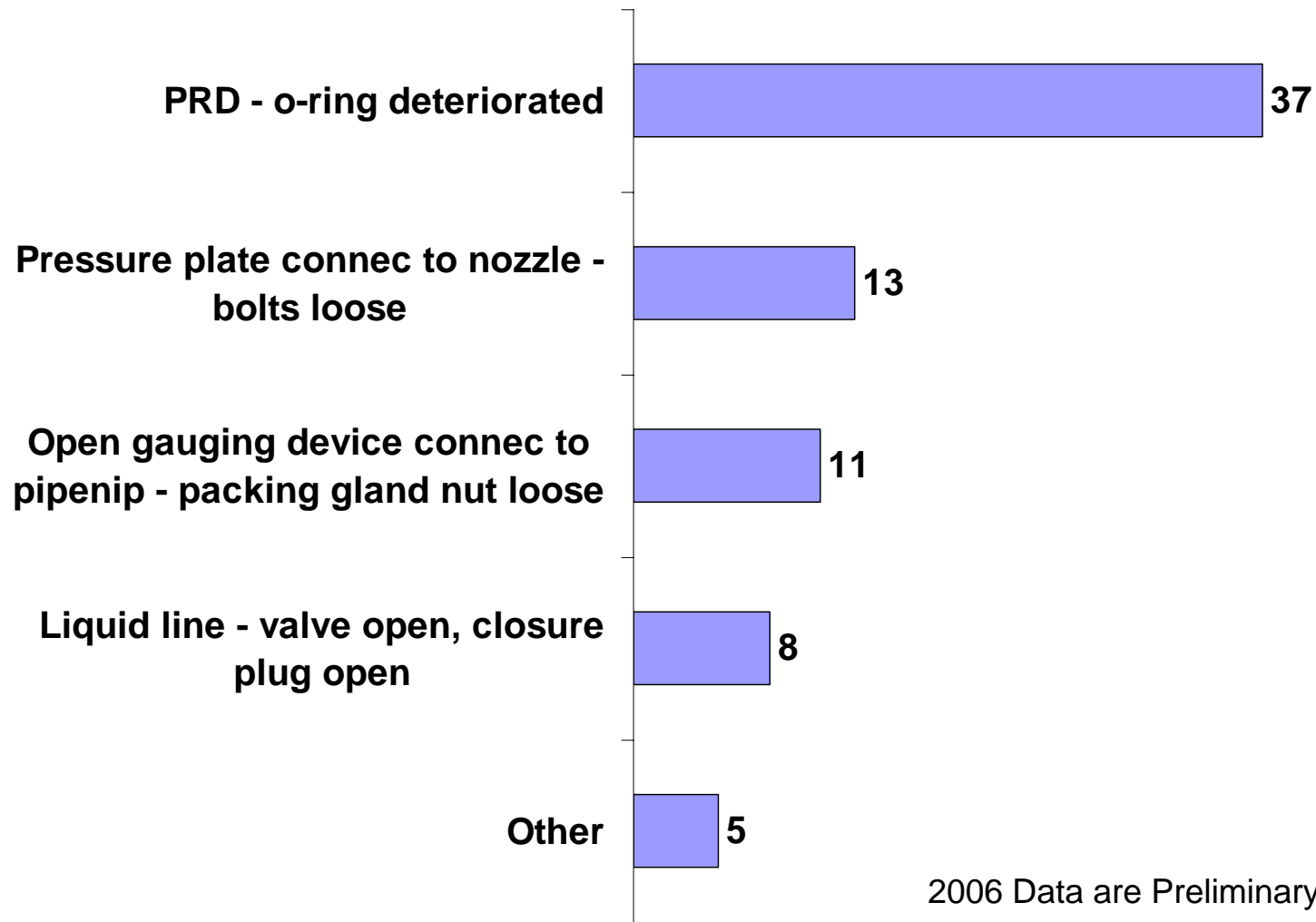
2007 Data are Preliminary

Top Specific Causes for Nonpressure Cars 2006 + 1st 6 Months 2007

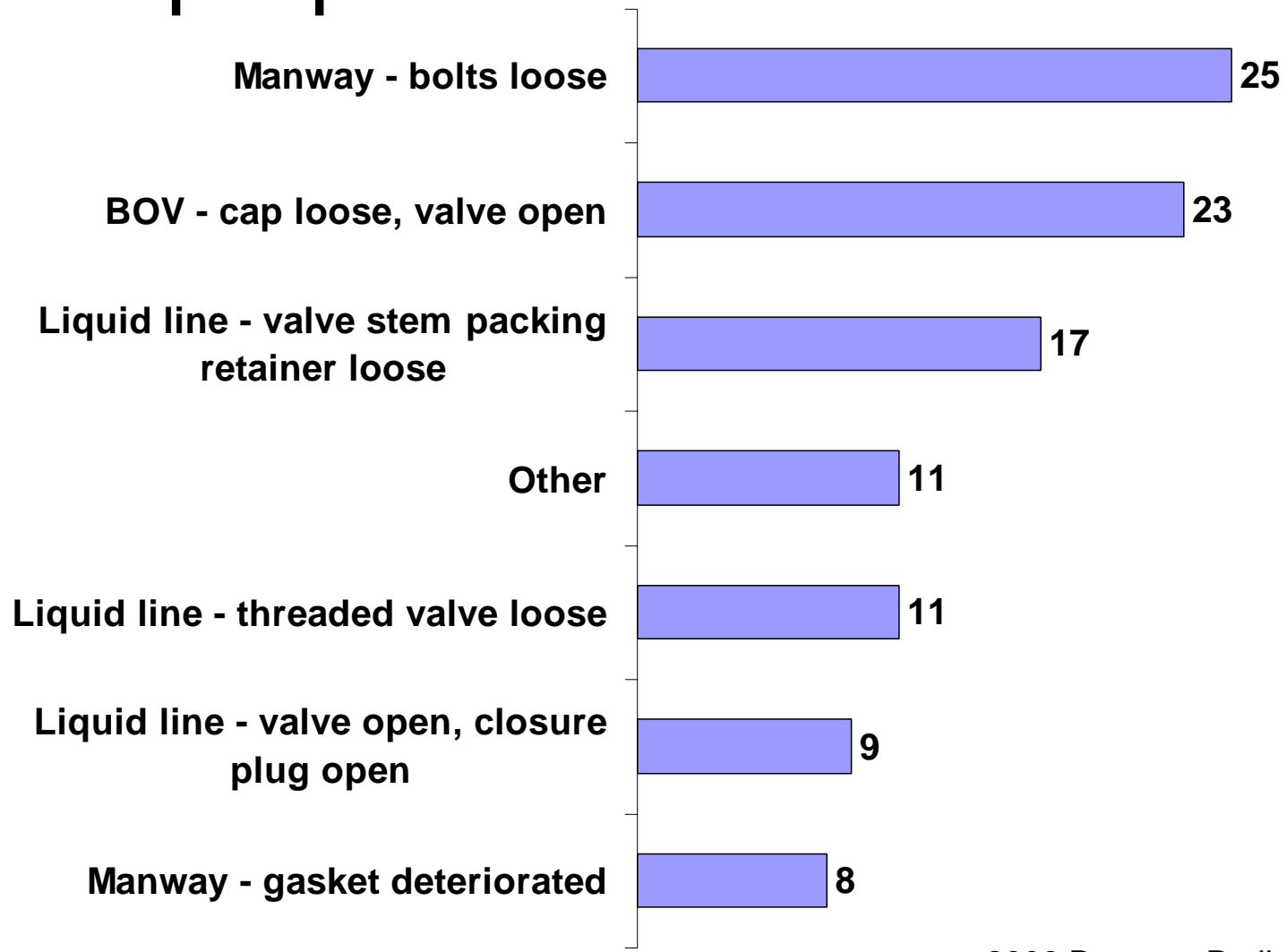


2007 Data are Preliminary

Anhydrous Ammonia: Top Specific Causes 2004-06

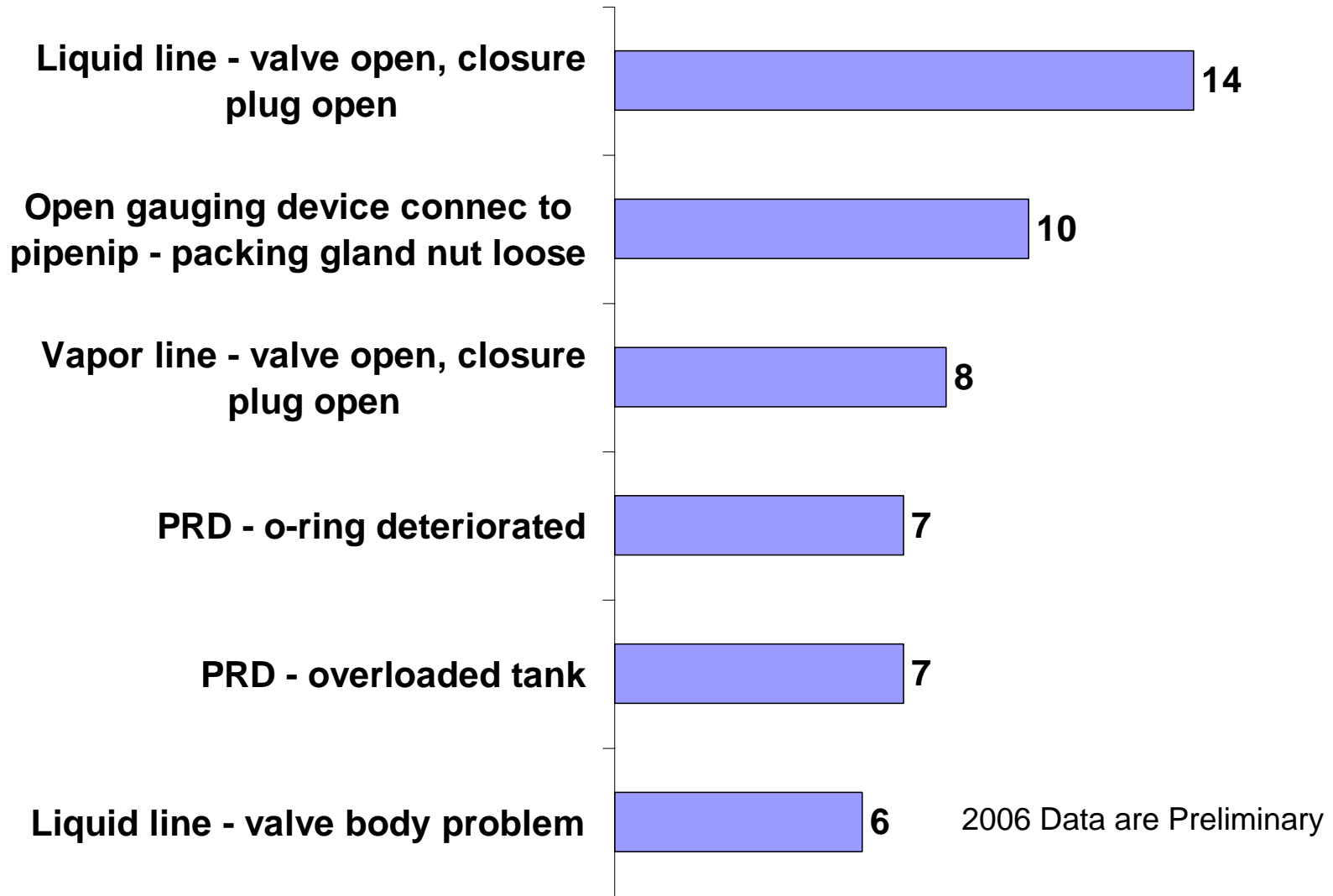


Alcohol NOS + Methanol + Ethanol: Top Specific Causes 2004-06

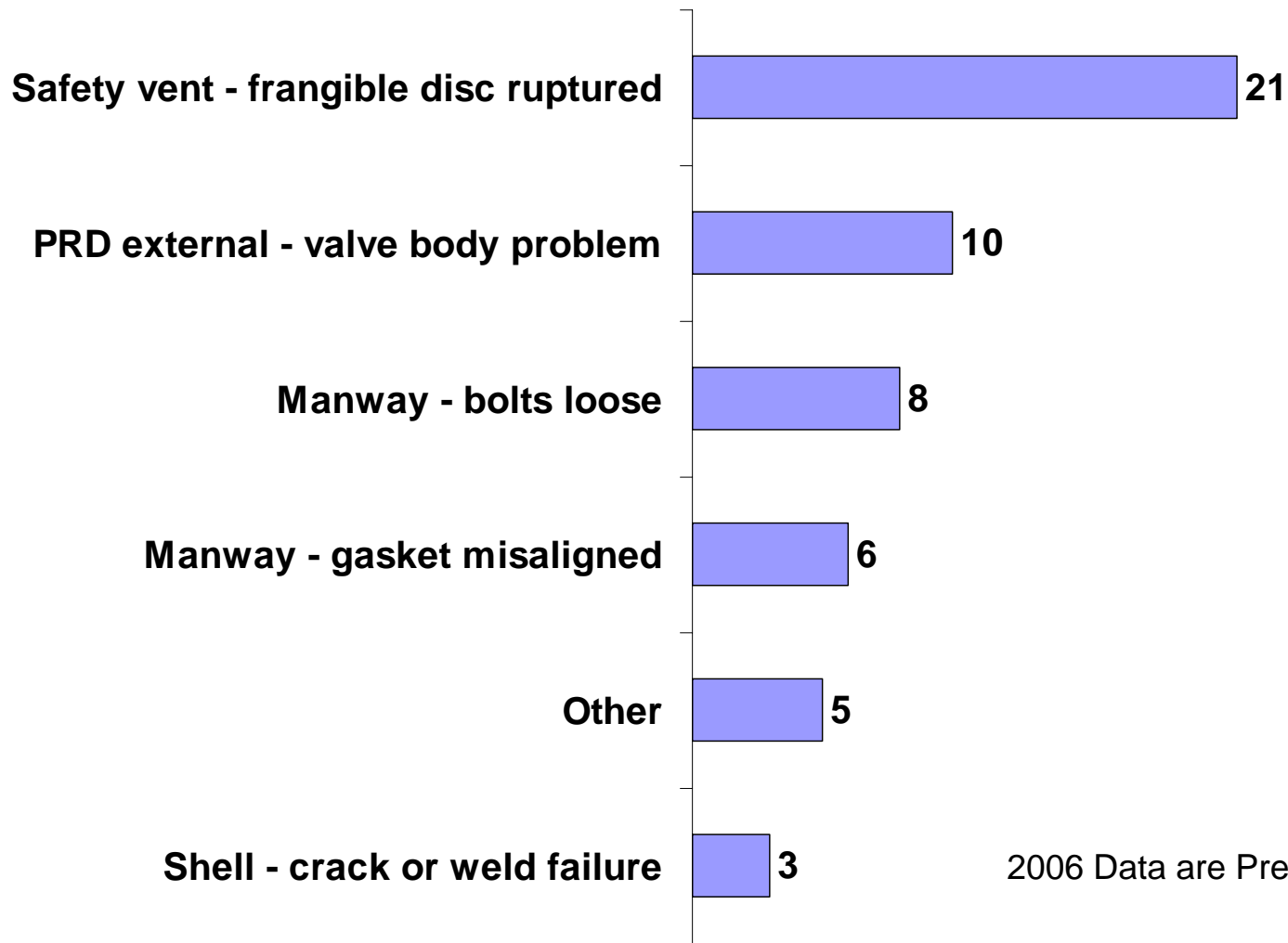


2006 Data are Preliminary

LPG: Top Specific Causes 2004-06

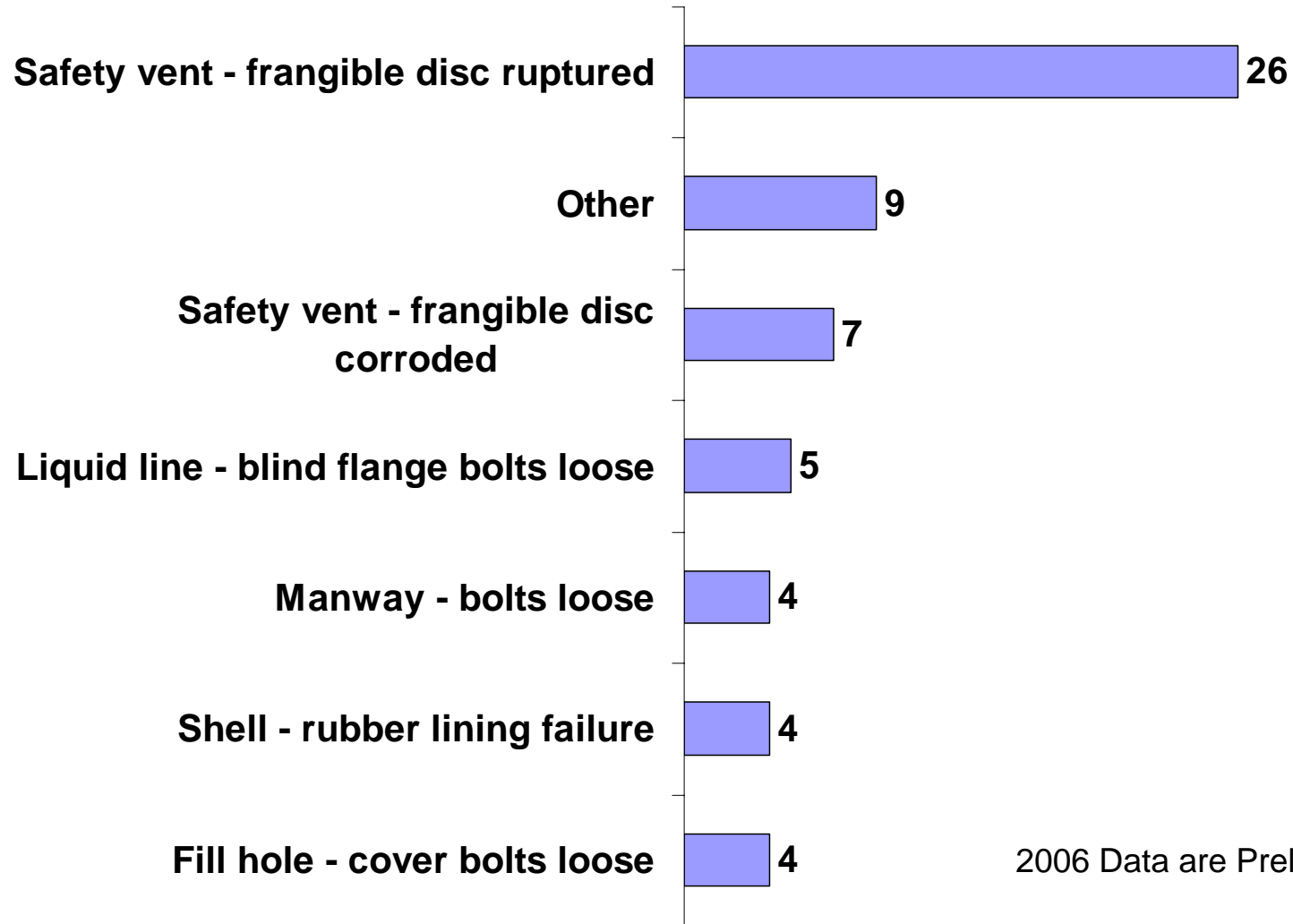


Caustic Soda Solution: Top Specific Causes 2004-06



2006 Data are Preliminary

HCL Solution: Top Specific Causes 2004-06

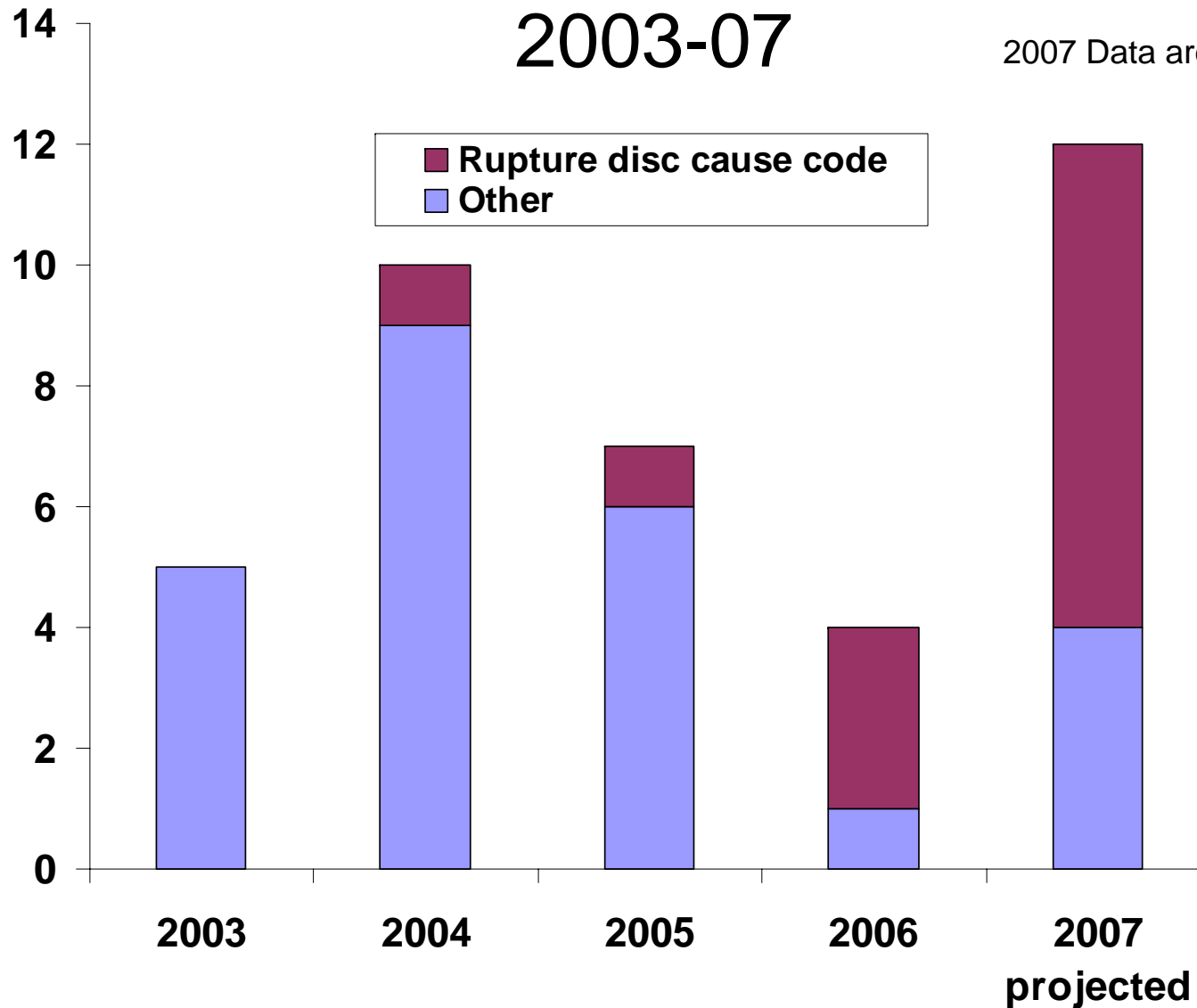


2006 Data are Preliminary

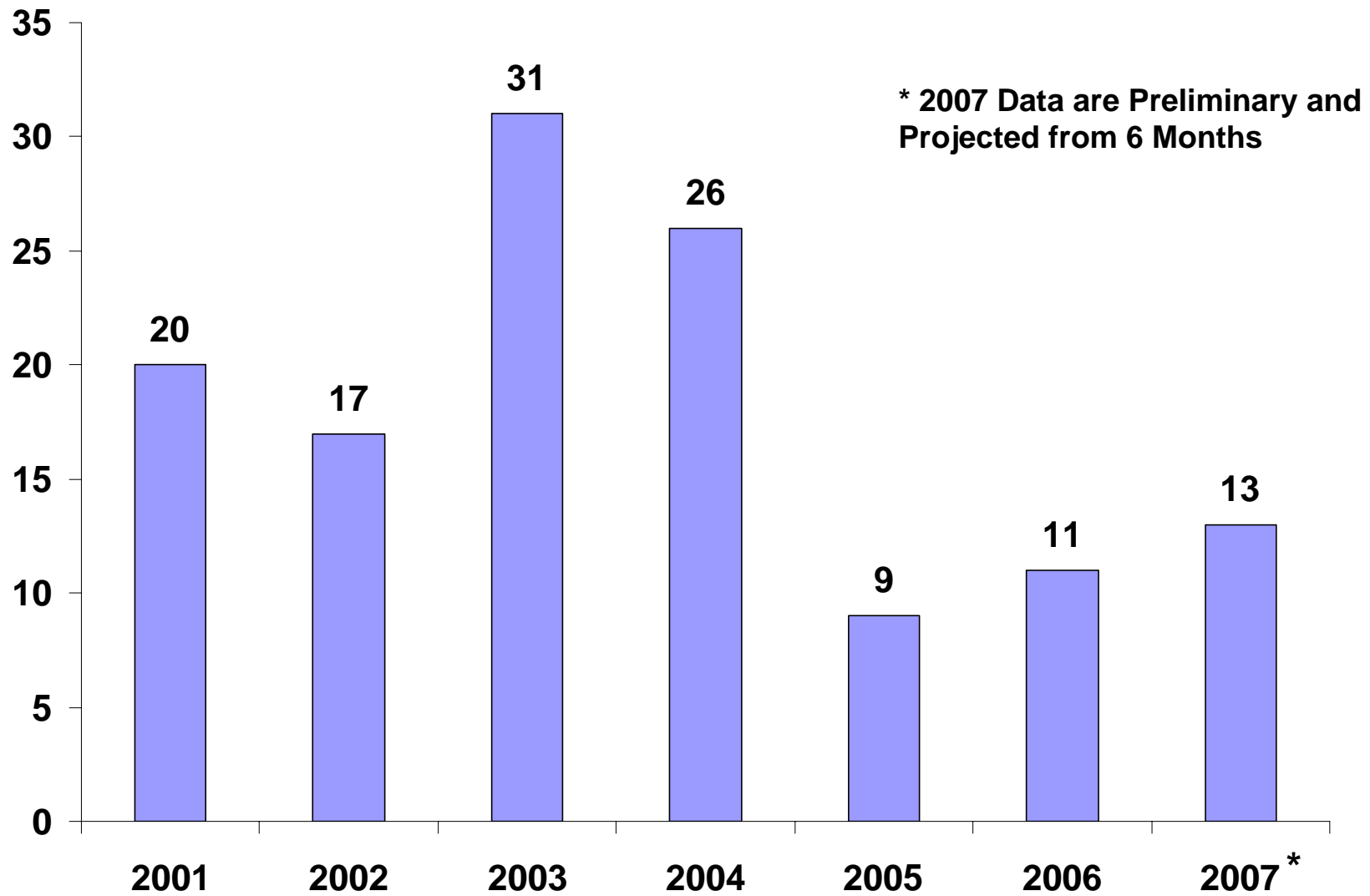
Carbon Dioxide NARs Breather Vent Contribution

2003-07

2007 Data are Preliminary

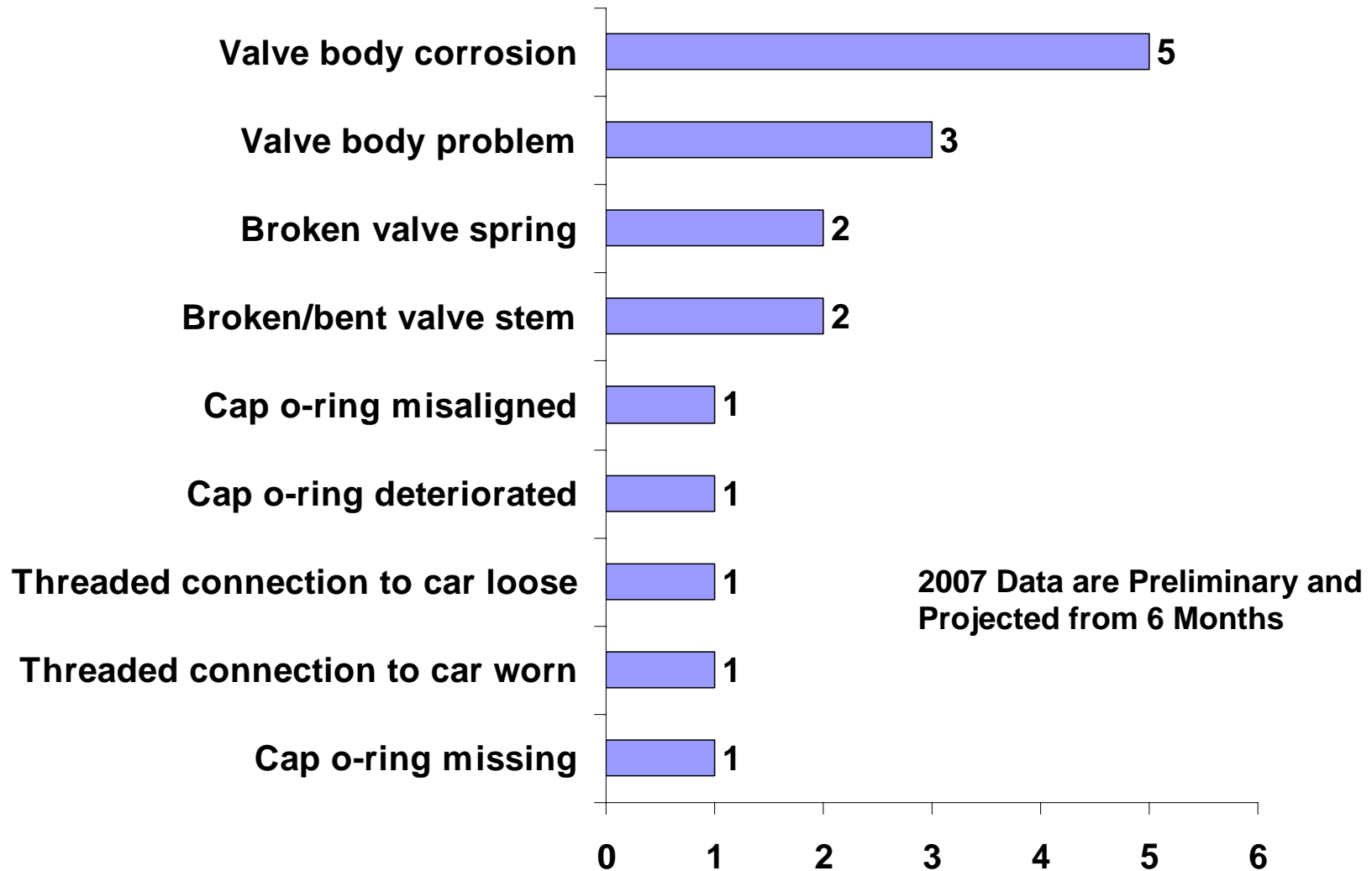


Vacuum Relief Valve NARs 2001- 2007



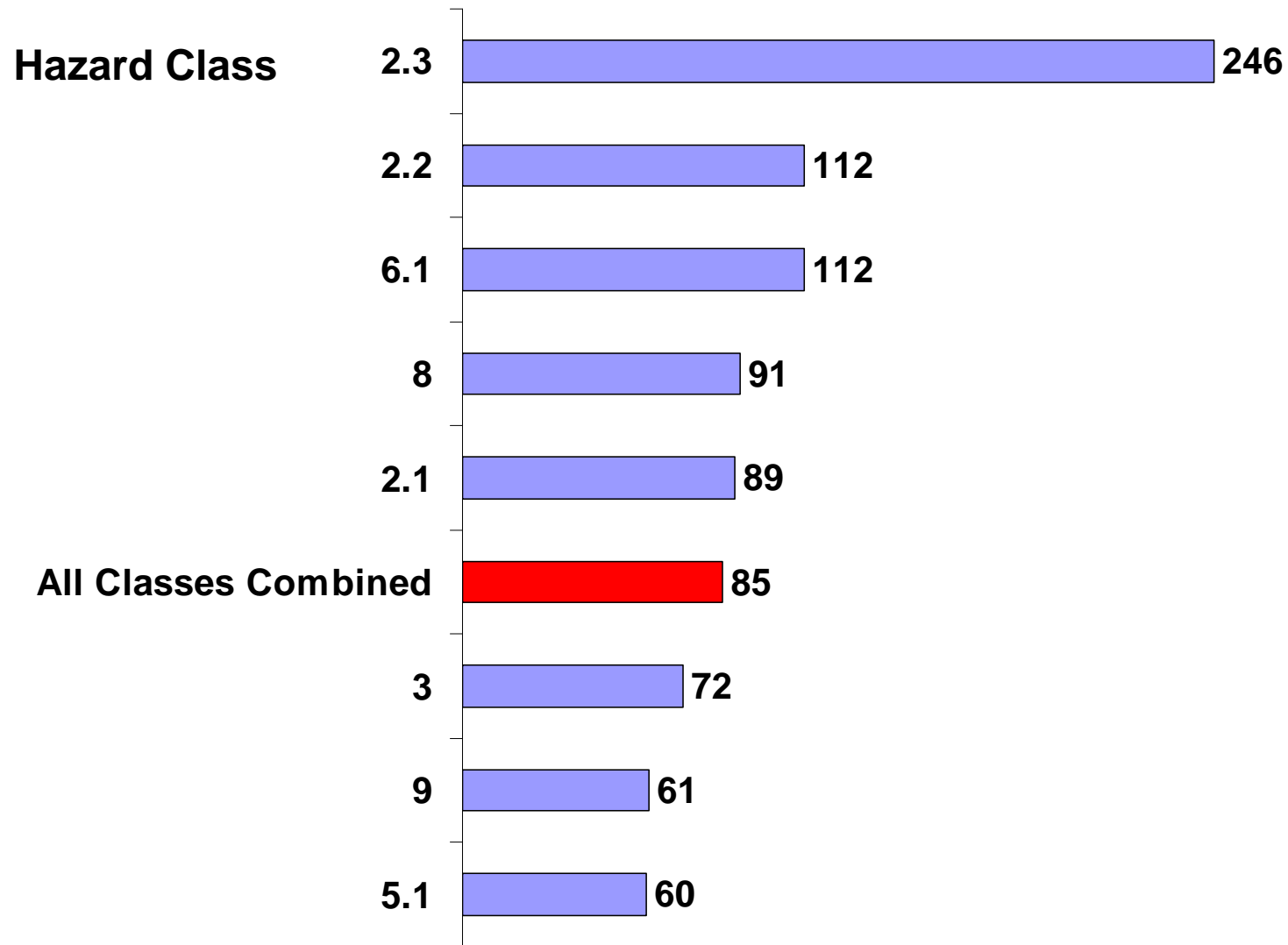
Vacuum Relief Valve NAR Causes

2006 + 2007 1st 6 Months Projected



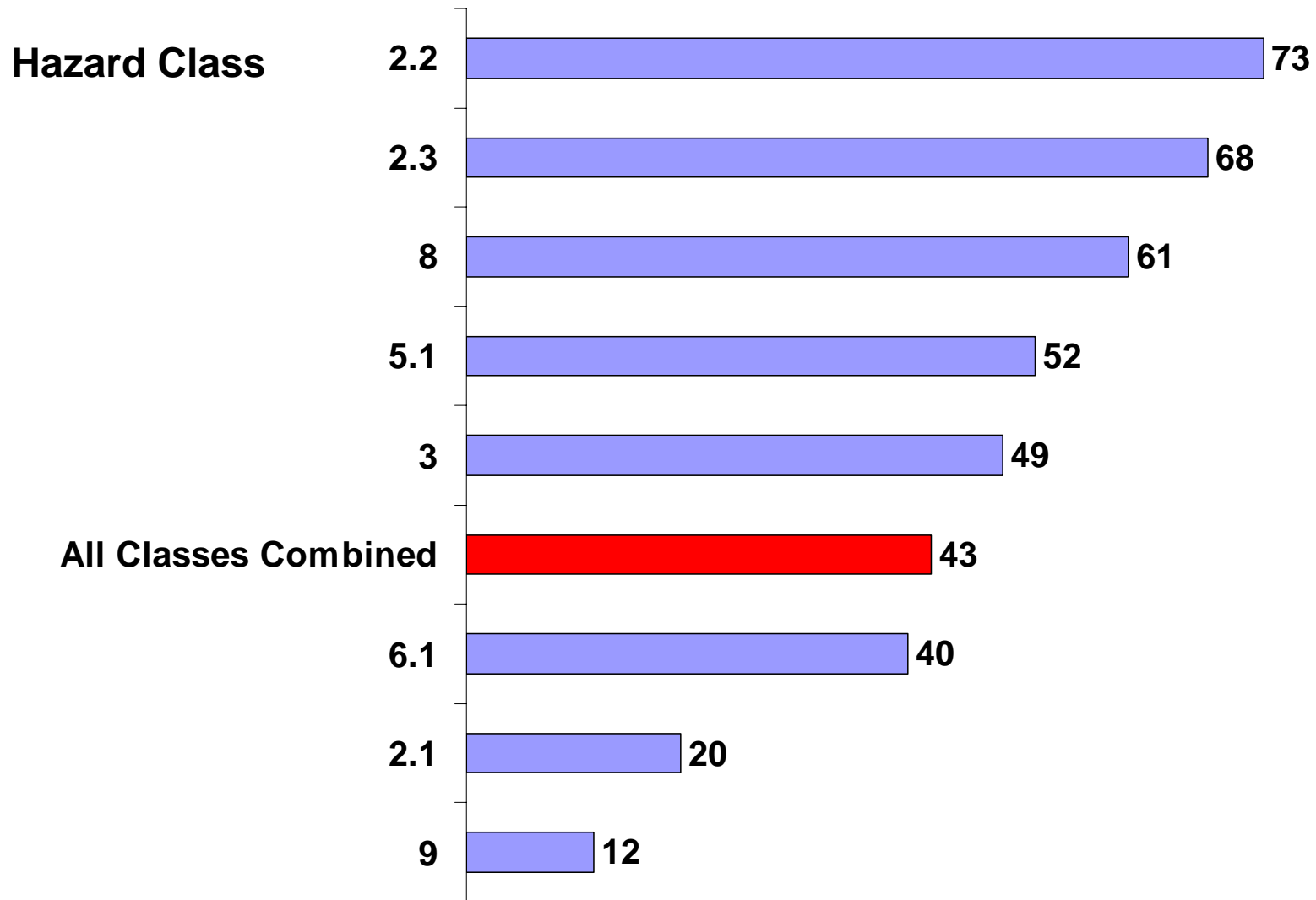
NARRI Points per NAR

US & Canada 2006



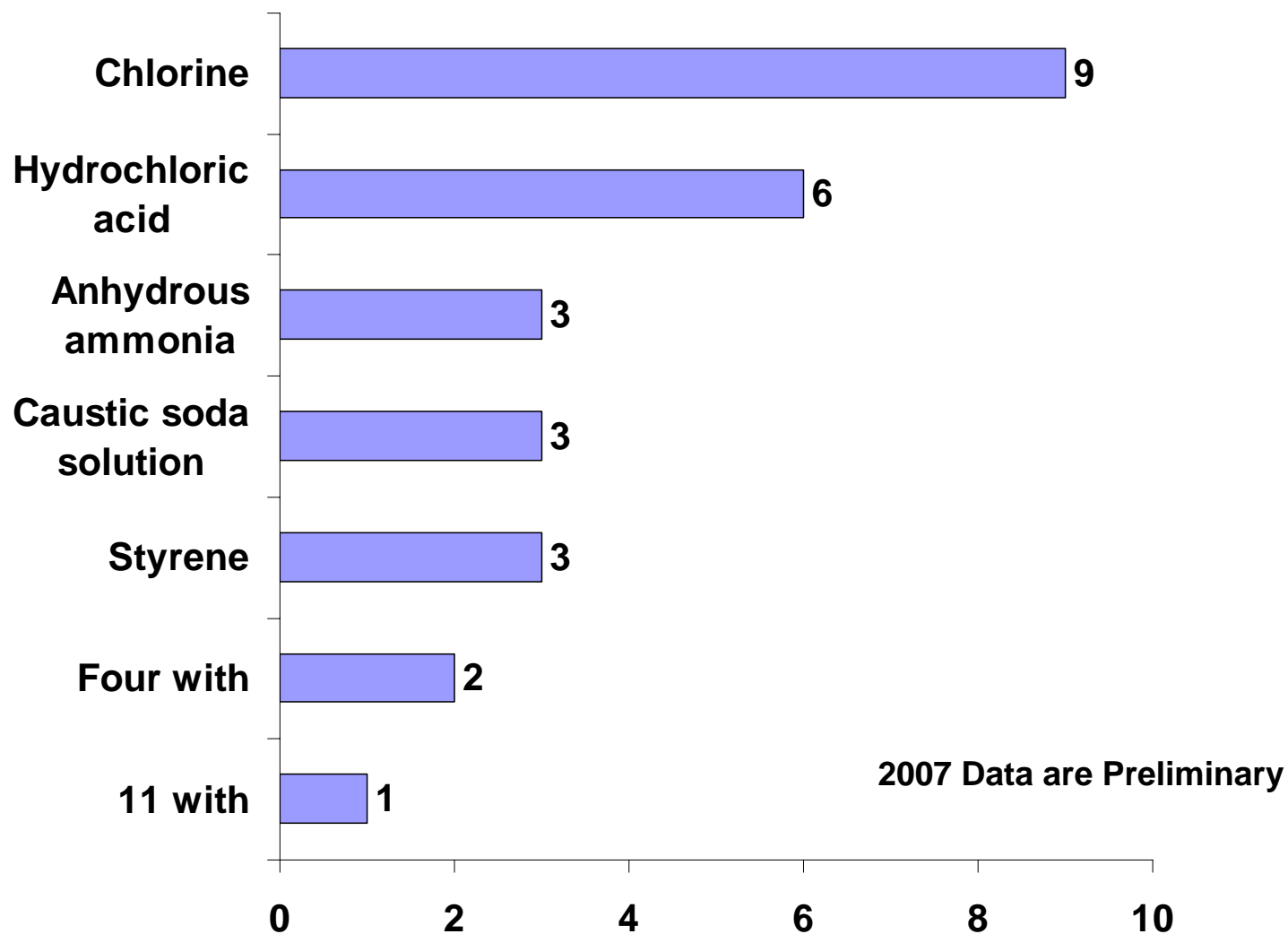
NARRI Points per 1,000 Loads

US & Canada 2006



Commodities w/ NARRI Scores > 150

2006 + 2007 1st 6 Months



Top NARRI Scores

2006 + 2007 1st 6 months Preliminary

NARRI Score	Commodity	Qty Lost	Effects	Cause
560	Chlorine	1 quart	n/a	Liquid valve open, plug loose
490	Chlorine	1 pound	8 evacuated	Liquid valve open, plug missing
480	Chlorine	1 pound	n/a	Pressure plate gasket deteriorated
450	Ethylene Oxide	3 gallons	25 evac'd	Sample line open, plug loose/ missing
450	Caustic Soda	11,930 gals	111 evac'd	Other
350	Hydrochloric acid	1 gallon	n/a	Fill hole cover bolts loose
350	Hydrochloric acid	2 quarts	n/a	Fill hole cover bolts loose
350	Caustic Soda	1 gallon	n/a	Manway gasket misaligned
350	Sulfuric acid	1 gallon	n/a	Fill hole cover bolts loose
350	Toxic liquids, flammable, NOS	1 pint	1 hospitalized	Liquid valve stem loose packing