

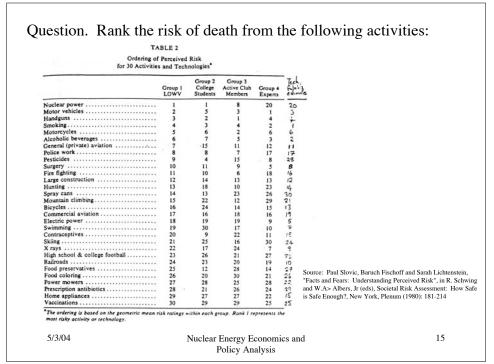
"Some people say that the prime responsibility for reducing exposure of workers to dangerous substances rests with the workers themselves, and that all substances in the workplace should be clearly labeled as to their levels of danger and workers then encouraged or forced to be careful with these substances. Do you agree or disagree?"

From a survey of public attitudes towards the chemical industry

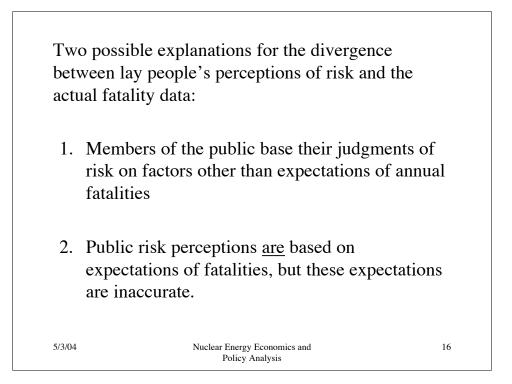
5/3/04

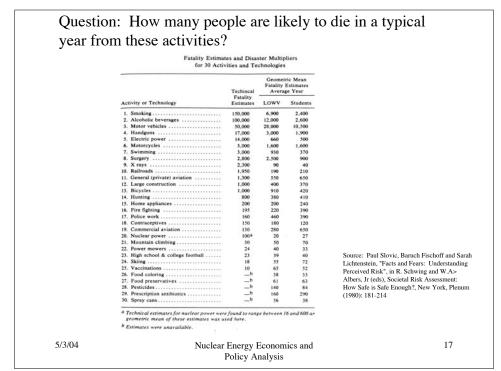
Nuclear Energy Economics and Policy Analysis 13

TABLE II.1 Lethality (geometric mean)	Judgments	with Four Dil	Terent Respo	nse Modes			
-	Death Rate Per 100,000 Afflicted						
Condition	Estimated Lethality Rate	Estimated Number Who Die	Estimated Survival Rate	Estimated Number Who Sur- vive	Actual Lethality Rate		
Influenza Mumps Asthma	393 44 155	6 114 12	26 19 14	\$11 4 509	1 12 33		
Venereal disease High blood pressure Bronchilis Pregnancy Diabetes	91 535 162 67 487	63 89 19 24 101	43 13 52	111 538 2111 787 5666	50 76 85 250 800		
Tuberculosis Automobile accidents Strokes Heart attacks	852 6195 11,011 13,011	1783 3272 4648 3666	188 31 181 131	8520 6813 24,758 27,477	1535 2500 11,765 16,250		
Cancer NOTE: The four expe- (a) Estimate lethal (b) Estimate survived? (c) Estimate survived? (d) Estimate survived? Responses to (b), (c), comparisons.	ity rate: For ar who die: ral rate: For ar who survi	r each 100,000 X people wer each person we: Y people	o people affii e affiicted, h who died, ho died, how m	cted, how m ow many die w many wer any were all	any die? d? e afflicted licted but	*	

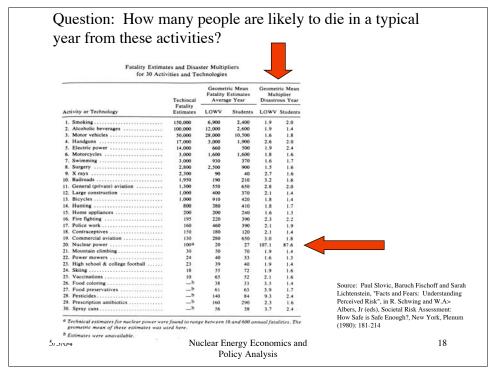


Courtesy of Paul Slovic (President of Decision Research Organization). Used with permission.





Courtesy of Paul Slovic (President of Decision Research Organization). Used with permission.

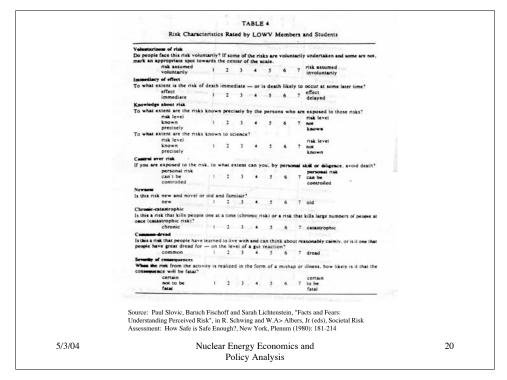


Courtesy of Paul Slovic (President of Decision Research Organization). Used with permission.

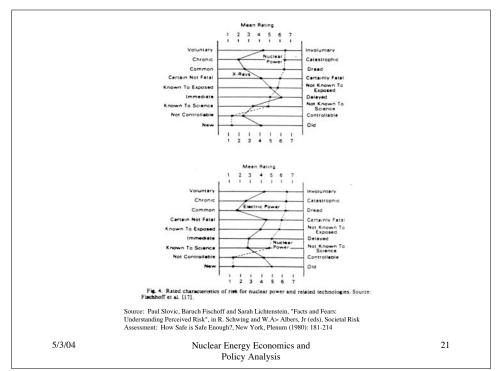
Other qualitative factors of risks that affect public perceptions

- Controllability
 - To what degree can people exposed to the risk avoid death by their own skill or diligence
- Immediacy
 - Is the risk of death immediate, or more likely to occur at a later time
- Severity
 - How likely is it that the consequences of an accident will be fatal
- Knowledge of risk
 - To what extent is the nature of the risk understood by those exposed to it, and by the scientific community?
- Dread
 - Is the risk one that people have learned to live with, or is it one that inspires feelings of dread?

5/3/04	Nuclear Energy Economics and	19
	Policy Analysis	



Courtesy of Paul Slovic (President of Decision Research Organization). Used with permission.



Courtesy of Paul Slovic (President of Decision Research Organization). Used with permission.

