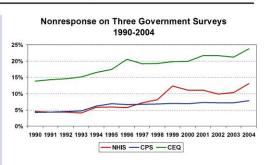


### **Declining respondent cooperation**

"In the 1970s, you could get a telephone survey response rate of 70 percent. Now, if you work really hard, you might get 40 percent. Surveys on the front pages of major newspapers have response rates of 10 percent... .It is still possible to conduct highquality surveys—face-to-face interviews that yield 80 percent response rates—but such methods cost as much as \$1,000 per subject... The question is, how do we get out of this mess?"

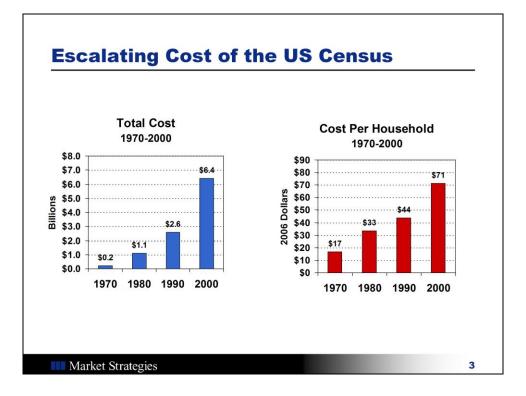


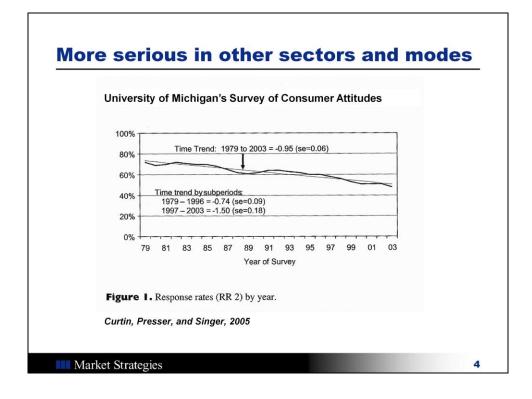


we get out of this mess?"	
Jon Krosnick, 2006	

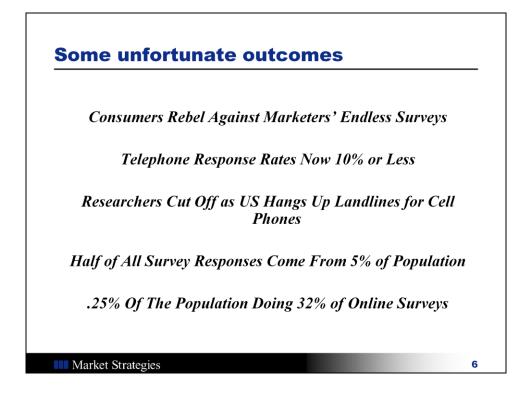
Survey	1996	2004	Change	Per Year	2004 CPI
CEQ	79.4%	76.2%	-3.2%	40%	\$231
NHIS	94.3%	86.9%	-7.4%	-0.92%	\$176
CPS	93.4%	92.2%	-1.2%	-0.15%	\$47

2

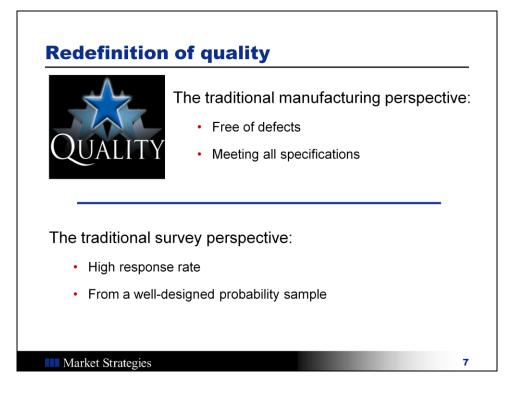




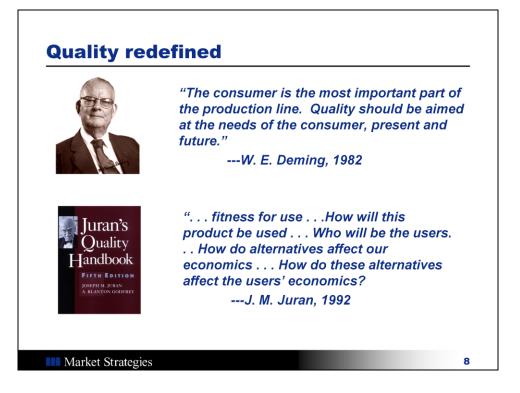
proving Respondent Cooperation to Revive ember 29 2006   The Drake Hotel   Chicago, IL cations in partnership with CMOR present search Leaders; One Table; One Task
cations in partnership with CMOR present
search Leaders; One Table; One Task
Summit: Improving Respondent Cooperation
ation. Better Data. Better Decisions.
,



As these headlines showTechnology is part of the problem—proliferation of surveys, autodialing, telemarketing, defensive technologies. And we see increases both in refusals and non-contact rate.

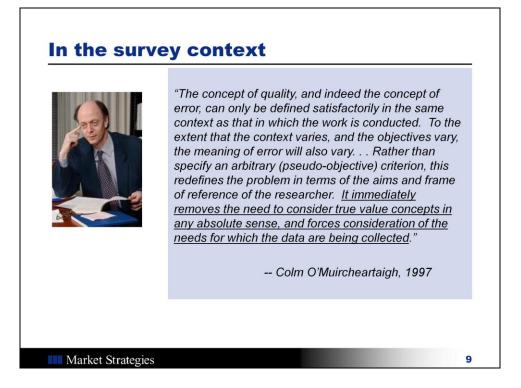


Groes (????) gave us a well articulated survey error model but mostly we still defined quality in terms of response rates and sample quality



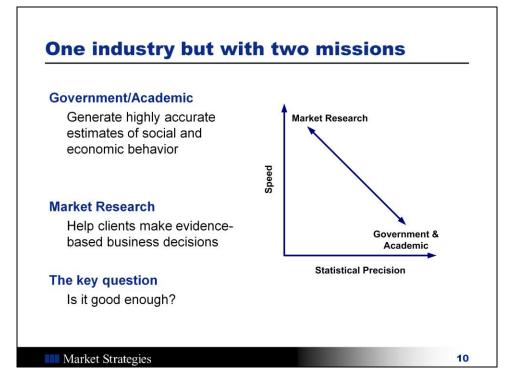
Deming and Juran brought the user into the definition. Quote from *Out of the* Crisis, p.5

Colm's quote essentially makes the intended use relevant



Deming and Juran brought the user into the definition. Quote from *Out of the* Crisis, p.5

Colm's quote essentially makes the intended use relevant



### **MR in 1990s**

- Tough times for all of the traditional modes
- An industry infatuated with technology.
- Internet penetration was soaring.

"To do what we are doing we have had to set aside the staple of our industry -- the simple random sample. . . Random sampling is a very powerful tool in every avenue of science and industry for increasing the accuracy of estimates while decreasing the cost of the process. . . We are not challenging the validity of random sampling. . . . We are instead investigating whether findings from huge samples of Internet respondents, coupled with <u>sophisticated weighting</u> <u>processes</u>, <u>are as accurate as anything done</u> <u>on the telephone or door-to-door."</u>

--- Gordon S. Black, 1998

Market Strategies

## "Sophisticated weighting processes. . ."



The scientific community showed little interest in finding new ways to work with non-probability samples.

The MR community mostly stuck to the demographic model.

While online has often produced different results evaluation was confounded by:

- Mode effects
- Problematic design

"In a classic example of the impact of scientific advancement, we expect to improve the performance while dropping the prices." --- Gordon S. Black

Market Strategies

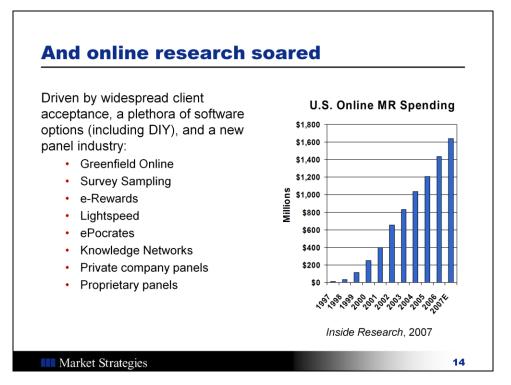
### Panels an easy sell in MR



- A history of mail panels
- A tradition of quota sampling
- A client base not well-schooled in principles of survey research
- Improving Internet demographics
- Intense competition (Be faster & cheaper)
- Cool methodologies
- A focus on ultimate outcomes

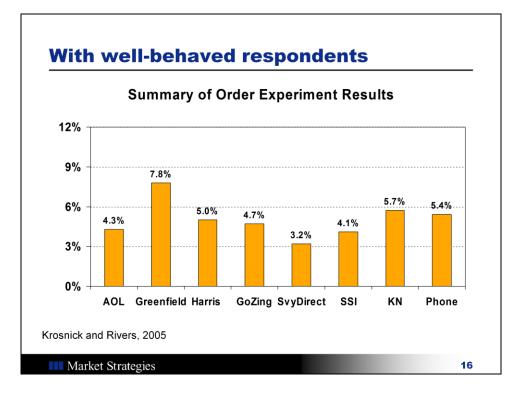
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• No practical alternative



# Major panels seemed pretty similar

	Web Opt-In					Web RDD	Phone RDD	
	SPSS/River	Greenfield	Harris	GoZing	SvyDirect	SSI	- N	SRBI
Primary Demographics	2.9%	5.4%	3.2%	11.0%	3.8%	5.0%	1.0%	2.3%
Secondary Demographics	2.6%	3.7%	2.1%	6.8%	2.5%	1.7%	2.5%	4.1%
Product Usage and Atttitudes	8.1%	7.9%	5.1%	9.4%	6.8%	6.7%	3.3%	4.9%
Magazine Subscriptions	5.5%	5.1%	4.5%	11.2%	6.9%	5.7%	1.3%	4.0%
All items except primary demographics	5.2%	5.4%	3.9%	9.4%	5.5%	4.7%	2.2%	4.3%
Simpser et al., 2005								
Market Strategies	s							15



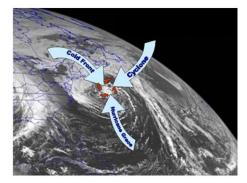
# **Morning in Market Research**

- Complicated methodologies
- Low incidence populations
- Fast turnaround
- Reasonable price



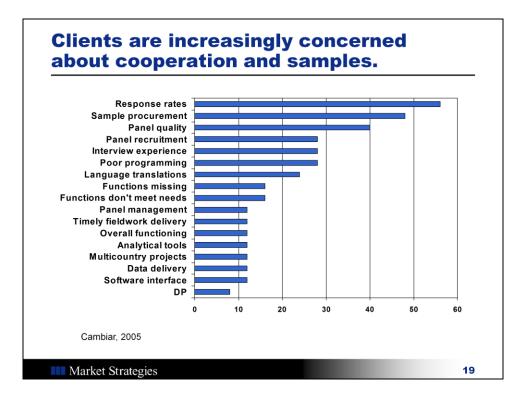
Market Strategies

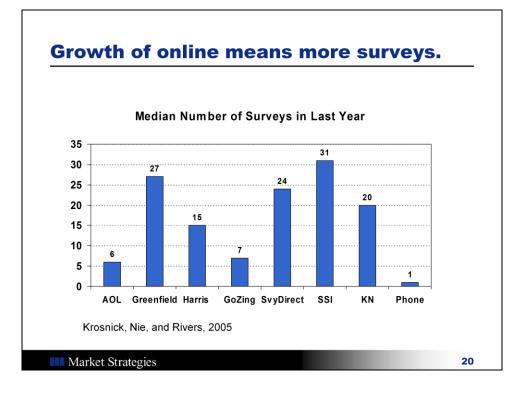
# Suddenly, a perfect storm is brewing.

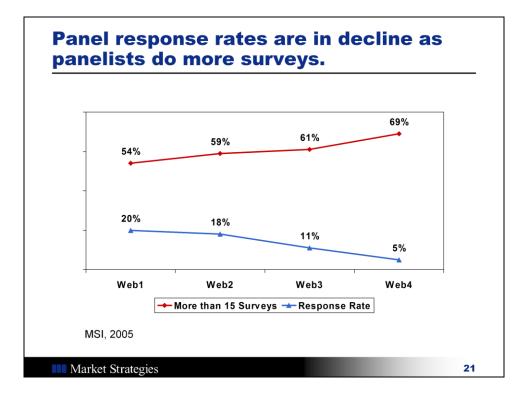


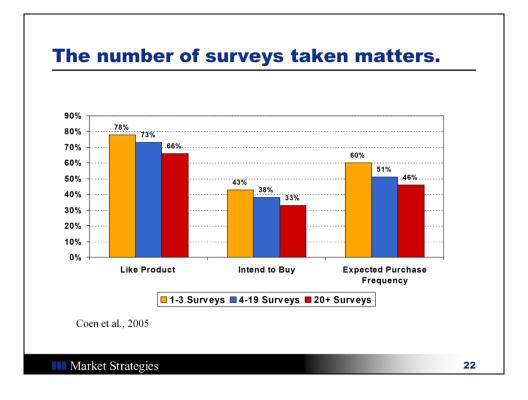
A collision of forces, each manageable on its own but capable of creating chaos when they come together.

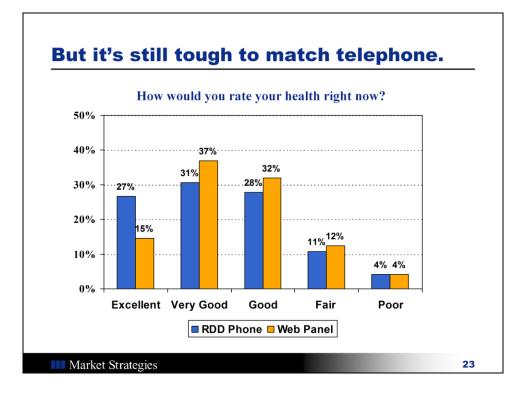
Market Strategies

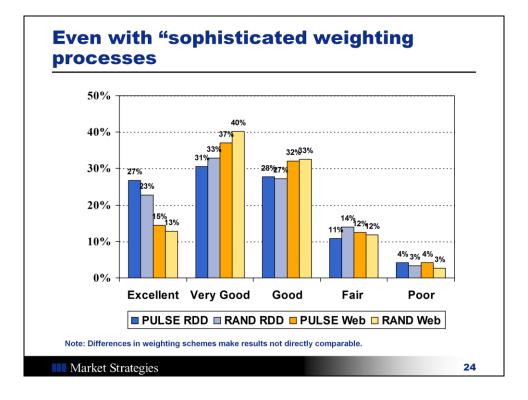




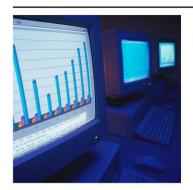








# And we are not sure why. . .



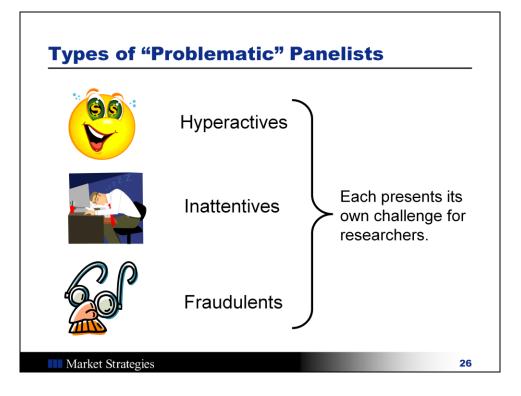
#### Mode effects

- Interviewer vs. self-administered
- Aural vs. visual

#### Sampling

- Probability vs. non-probability
- Panel management practices

Market Strategies



### **The Hyperactives**



	Single	Panel	Multiple Panels		
	Harris	AMR	Harris	AMR	
Female	52.2%	61.9%	74.7%	71.3%	
18-39	40.8%	41.7%	24.3%	49.0%	
Less than HS	19.8%	19.4%	23.0%	22.9%	
Employed FT	43.7%		35.6%		
Less than \$25K	20.3%		14.1%		

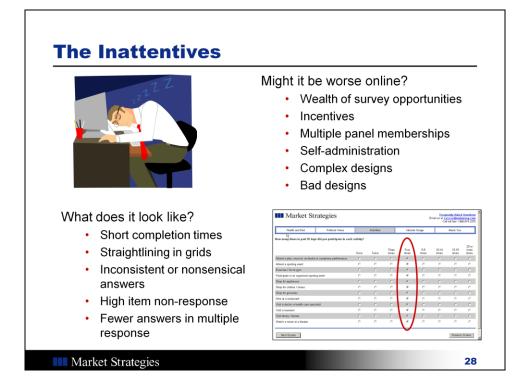
"While further research into differences between hyperactive and non-hyperactive respondents will be useful . . . Forecasts of major threats to research validity and reliability are, as yet, not supported by empirical evidence."

-- Smith and Brown, 2006

"... there are major differences between people who are members of only one panel and those who are members of multiple panels... These differences are seen in demographics, attitudes, and behaviour."

-- Casdas, Fine, and Menictas, 2006

Market Strategies



# **The Fraudulents**



- Create false identities when they join
- Lie to qualify for surveys
- Able to spot filters
- Click all options in multiple response
- Answer inconsistently

Market Strategies

### What's a market researcher to do?



- Know the characteristics of the panels you use and how they ensure response quality
  - Recruitment and (especially) validation
  - Participation limits
  - Panel maintenance practices
- Look to the industry
  - Guidelines and standards
  - ISO 202052 Working Group
- Develop your own panel QA approaches

Market Strategies

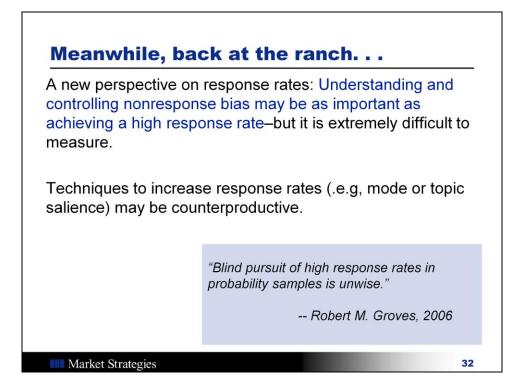


- Multiple points of measurement
- · More secondary data
- A stronger blend of quant and qual
- · Holistic solutions
- Less science, more art
- A reduced role for survey research

"In less than seven years, a data collection medium that has not yet been widely adopted or perhaps even tried, will surpass phone and face-to-face methodologies."

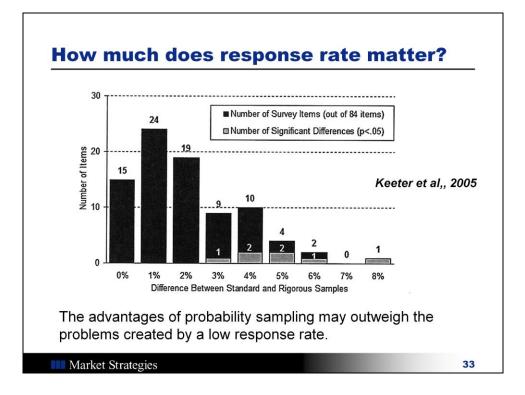
--Dean Wiltse

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The specific issue is the response rate as the primary measure of data quality Sometimes even 90% is not high enough

-quote form groves p.665. Relatinship between propensity to respond and measures of interest/key estimates.



## Increased interest in mixed mode



It used to be mostly about the money.

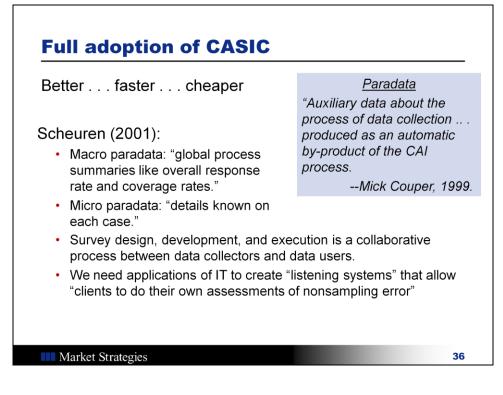
Now it's also about the response rate.



We understand the error potential but we have difficulty measuring that error with precision.







Examples:

Time stamps

Item missing data, breakoffs, etc.

Keystroke files, trace files, transaction logs

Review of interviewer notes, problem reports

Collected and analyzed as a source for survey improvement

As originally conceived, a focus on non-sampling error

Standard measures of survey quality (e.g., response or coverage rates) are inadequate—they don't address <u>content</u>.

**Quality = Producer + Client +** 

Joint

### **Example: Responsive Design**

#### The Process

- 1. Identify design features that might impact costs and errors
- 2. Identify indicators for those costs and errors
- Monitor indicators in initial phase—typically a more fully measured subsample
- Alter the design based on analysis of subsample outcomes

"The ability to continually monitor streams of process data and survey data creates the opportunity to alter the design during the course of data collection in order to improve survey cost efficiency and achieve more precise, less biased estimates"

--Heeringa and Groves, 2003

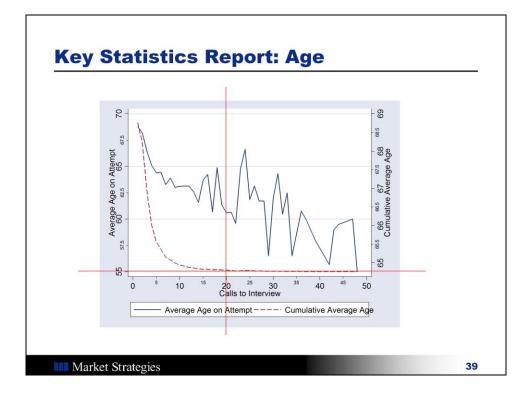
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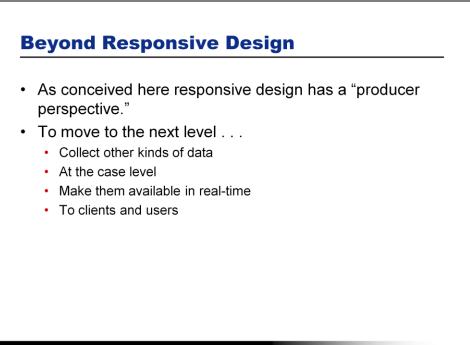
# The SurveyTrak System

- Built by SRC/ISR to manage CAPI and CATI studies.
- Initially to manage a field force and associated costs but now includes new functionality to support responsive design.
- Timely reporting on interview attempts, field costs, interviewer productivity, and "leading indicators of importance to the study (demographics, history, opinion)"

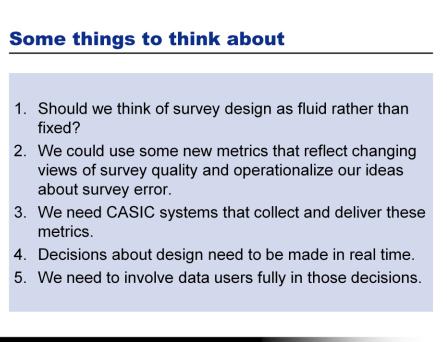
-- Hansen and Maher, 2005

Market Strategies





Market Strategies



Market Strategies

