

**EDITING STRATEGIES USED BY THE U.S. BUREAU
OF LABOR STATISTICS
IN DATA COLLECTION OVER THE INTERNET**

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Internet Data Collection Philosophy

- Decrease in perception of burden
- Improved response rates
- Control of costs
- Improved data quality and
- For surveys with multiple closings--smaller revisions between preliminary and final estimates

Internet Edits

- Start with a limited number of edits and build
- Limit type of edits
- Borrow edits from post-data collection processing

Current Employment Statistics Program

- All employees
- Women employees
- Production or nonsupervisory workers
- Production/Nonsupervisory payroll
- Production/Nonsupervisory hours
- Commissions collected for the Service Providing industry
- Overtime hours collected in Manufacturing

1997 CES Internet Edit Rules

- Logic errors--e.g. All Employment greater than Production Workers
- Range checks--Average hourly earnings between \$1.00 - \$150.00
- Validity checks--numeric entry
- Data entry errors
- Mandatory field (All employees) must be completed

Current Internet Edit Rules

- Expanded basic and longitudinal edits
- Critical values vary by major industry division
- Over-the-month changes compared for each data element and for several “calculated” averages

CES Internet Edit Experiences

- Approximately 40% of current web sample has failed at least one edit check over a 12 month span
- Approximately 3% of web reports fail one edit check each month
- In 88% of all edit failures, respondent corrected and submitted data during same session

Monthly Unit Cost of Data Collection

Messaging Function	CATI	Mail	EDI	TDE/VR/FAX	Web
Outbound messages (advance notices)	\$0.23	\$0.34	\$0.01	\$0.07	\$0.00
Inbound messages (data)	\$1.00	\$0.34	\$0.28	\$0.14	\$0.00
Non-response prompting	\$0.00	\$0.10	\$0.01	\$0.04	\$0.00
TOTAL TRANSMISSION COSTS	\$1.23	\$0.78	\$0.30	\$0.25	\$0.00
Hardware	\$0.03	\$0.01	\$0.03	\$0.03	\$0.01
High speed communication lines	---	---	---	---	\$0.12
Digital Certificates	---	---	---	---	\$0.10
Labor	\$5.00	\$0.50	\$0.43	\$0.28	\$0.10
TOTAL MONTHLY UNIT COSTS	\$6.18	\$1.29	\$0.76	\$0.56	\$0.33

Research Issues Associated with Editing Schedules on the Web

- Respondent behavior
- Data quality
- Overall strategy