

North Carolina Cell Phone Pilot Study:

Moving Beyond the Core Questionnaire

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Background

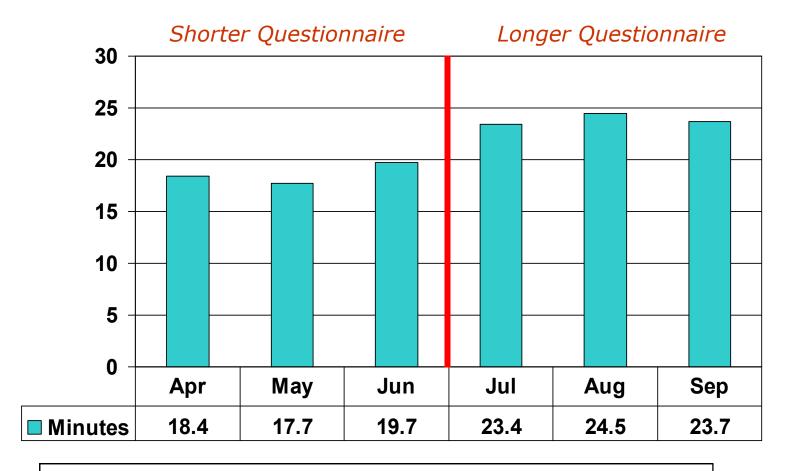
- NC cell phone study began in April 2009
- Monthly target of 30 completed interviews from 960 sample pieces
- We did <u>not</u> offer incentives to participate
- We have exceeded our target each month
- Data shown here covers April through September studies

Expanded Cell Questionnaire in July

- April, May & June asked core only
- In July, we added 71 questions from our land line study
 - 3 CDC Optional Modules
 - Pre-Diabetes
 - Diabetes
 - Actions to Control High Blood Pressure
 - 50 NC State-Added questions

- We did not include two CDC
 Optional Modules asked in our land line study
 - Heart Attack and Stroke (13 questions)
 - Cancer Survivorship (10 questions)

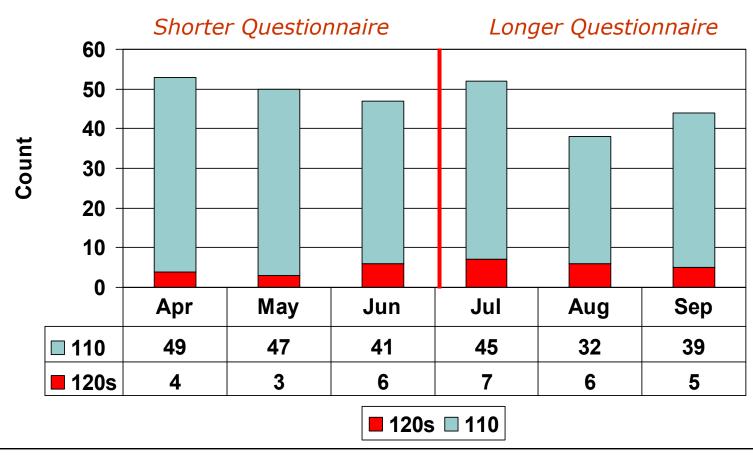
Average Completed Interview Length in NC Cell Study, April to September 2009



Added about 5 minutes to the length of the interview.

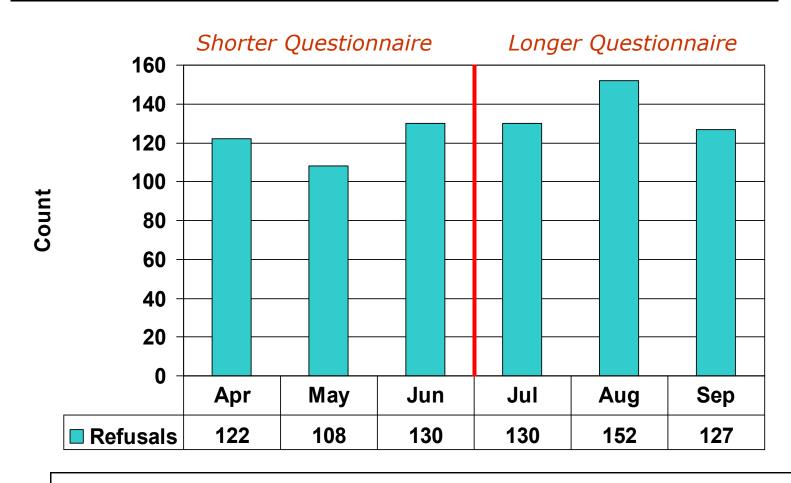
INTERVIEW OUTCOMES

Counts of Completed & Partial Interviews in NC Cell Study, April to September 2009



Somewhat fewer completed interviews with longer questionnaire: averaged 46 with core only vs. 39 with longer version.

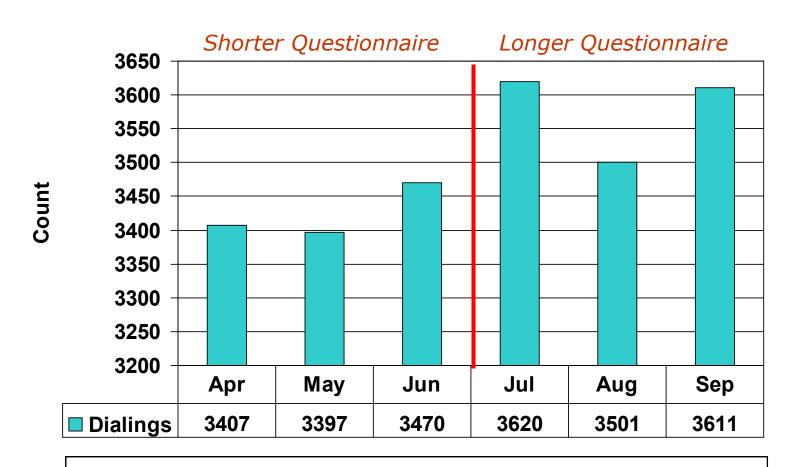
Counts of Refusals in NC Cell Study, April to September 2009



More refusals with longer questionnaire: averaged 120 with core only vs. 136 with longer version.

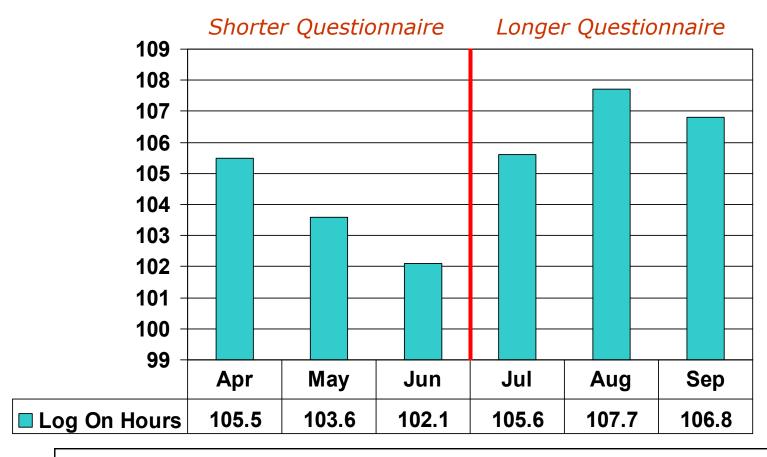
Survey Effort

Counts of the Number of Dialings in NC Cell Study, April to September 2009



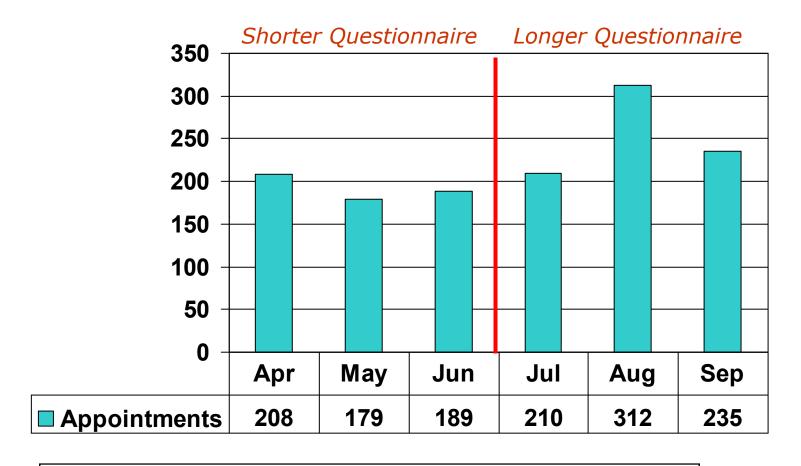
On average, have 153 more dialings per month with the longer questionnaire.

Total Log On Hours in NC Cell Study, April to September 2009



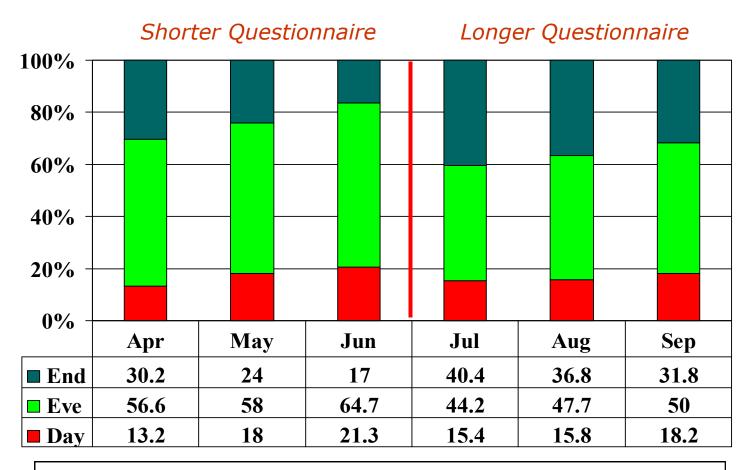
On average, 3 more total log on hours per month with the longer questionnaire.

Counts of Appointments in NC Cell Study, April to September 2009



More use of appointments with longer questionnaire.

Calling Occasions when Completed Interviews Occurred



Higher percentage of completed interviews occurred on with the weekend with longer questionnaire.

Summary: When we added 5 minutes to our cell phone interview

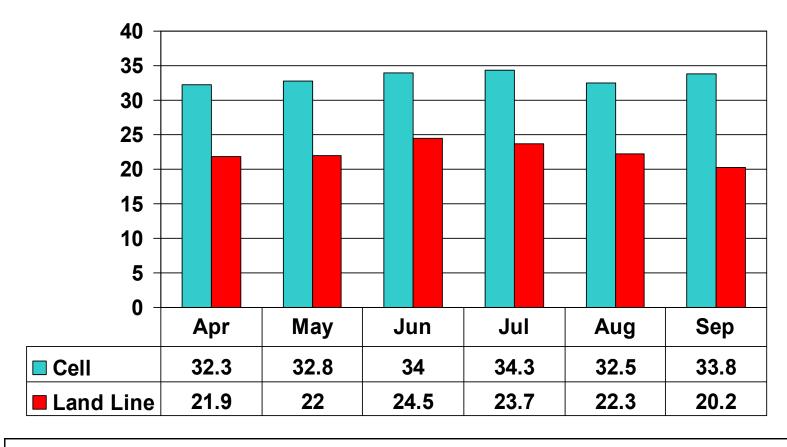
- We had somewhat fewer completed interviews:
 46 per month vs. 39 on average.
- We had more refusals: 120 vs. 136 on average.
- We spent more time and effort to achieve those results
 - 153 more dialings per month on average
 - 3 more total log on hours per on average.
- More use of appointments with longer questionnaire.
- Higher percentage of completed interviews occurred on the weekend than evenings

Based on our experience thus far...

- Administering the longer questionnaire on cell phones is feasible
- We have targeted 600 completed cell interviews for 2010 (5.6% of our total sample)

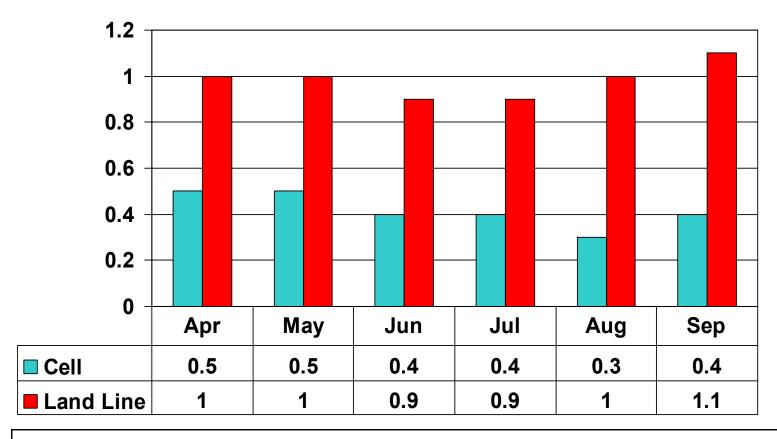
Comparing Survey Effort in Cell & Landline

Dialings per Log On Hour Cell vs. Land Line



Roughly 10 more dialings per hour on cell sample than landline.

Completes per Log On Hour: Cell vs. Land Line



A little under half as many completed interviews per hour in cell sample as in the landline sample.

Conclusion: Vital but Expensive

- So the 600 cell interviews we hope to collect in 2010 will cost a bit more than 1200 land line interviews
- Tapping the cell-only household population is vitally important, but costly
- Our choices seem to be
 - Secure more funding,
 - Have smaller total samples, or
 - 3. Improve our efficiency in cell interviews