February 5, 1992

MEMORANDUM FOR   Distribution List

From: Nancy Mathiowetz
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                               Associate Director for Statistical Design,
                               Methodology and Standards

Subject: Report of Results of Behavior Coding
                               and Interviewer Debriefing

Attached is the final report containing the results of the behavior coding analysis and interviewer debriefing conducted on the CPS Tobacco Use Supplement.

Attachment

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PRETEST FOR THE CPS TOBACCO USE SUPPLEMENT: FINDINGS FROM BEHAVIOR CODING AND INTERVIEWER DEBRIEFING

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Theresa DeMaio, and Laura Sewell

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Introduction

The purposes of a pretest are to evaluate the quality of individual questions and to ascertain if they form a cohesive, smoothly flowing, questionnaire. Various types of problems may arise with individual questions, among which the following are most frequent:

- Interviewers may have difficulty asking the question because of complex sentence structure, or words that are difficult to pronounce, etc;

- Respondents may have difficulty comprehending the question because the vocabulary is too difficult, the sentence structure is too complex, or because the question does not specify clearly what information is wanted or the form in which it is to be reported;

- There may be a lack of a common understanding of terms and concepts because they are understood differently by different respondents, or are not interpreted as the researcher intended; or

- Respondents may have difficulty in cognitive processing of information because they are unable or unwilling to exert the level of effort needed to provide an adequate answer, or because the information is simply inaccessible to them.

There are several pretest techniques which can be employed in assessing the quality of a questionnaire. This report describes the findings from a pretest which utilized behavior coding and also includes information obtained during an interviewer debriefing. Behavior coding focuses on the interchange between the interviewer and the respondent. Interviewer behavior coding was first used in surveys to monitor and evaluate interviewer performance (Cannell, et. al., 1975) and subsequently as a tool to evaluate the question-answer process more generally (e.g., Fowler, 1989; Morton-Williams and Sykes, 1984; Mathiowetz and Cannell, 1980) and to assess the effects of interviewer behavior on response variance (Groves, et. al., 1980). Different variations in the general coding schemes have been developed to address the various uses of the data. For example, knowing that an interviewer needed to probe for an adequate answer is sufficient if the purpose of the coding is to

identify problem questions; however, if the purpose of the coding is to assess interviewer quality, the coding scheme would need to reflect the adequacy of the interviewer's probe (e.g., adequate, not leading etc). The coding scheme used for this study has been designed for the purposes of pretesting a questionnaire--to look at either the interviewer's or the respondent's behavior indicative of problems with a question or sections of the questionnaire.

Pretest Design

The pretest of the Current Population Survey (CPS) Tobacco Use Supplement was conducted from November 1 through November 14, 1991. Ten interviewers and one supervisor from the Charlotte Regional Office participated in the pretest which was conducted in the Washington, D.C.-MD-VA metropolitan statistical area (MSA). A training session took place on October 30, 1991. In addition, the field representatives completed a comprehensive home study prior to the training session. A debriefing session was held on November 15 1991. At the training, interviewers were instructed to keep a "master questionnaire" for recording their perceptions of problems. These notes were used during the interviewer debriefing. Information from the debriefing which is pertinent to the pretest questionnaire is provided in this report.

Interviewers were instructed to ask the CPS labor force items of the household respondent before proceeding to the supplement items. The supplement was self-response and was asked of all household members age 15 years and older. In an effort to maximize self-response interviewers were instructed to accept a proxy interview for the supplement only after two callbacks. We attempted to divide the interviews between personal visit and telephone in an effort to achieve a 25/75 split between personal visits and telephone interviews, respectively. This 25/75 split corresponds to the approximate breakdown of mode of interview in the CPS.

Field representatives were provided with tape recorders and a device for recording telephone interviews. They were instructed to tape record all interviews they conducted,

3

both personal and telephone, as long as they obtained the respondent's consent. This was done to facilitate the coding for this report.

The sample for the pretest was selected from outgoing CPS rotations from August, September and October 1991. An advance letter was sent to respondents in the sample.

The number of eligible households for the pretest was 307. The results of the pretest (the number of completed interviews and Type A noninterviews) are listed below. Type A households include no one home, temporarily absent, and refusals. If a household had moved, we considered it ineligible for the pretest. The response rate for the pretest was 84.7 percent. This response rate is slightly lower than the average CPS supplement. However, we believe this is primarily because we contacted households for a ninth time after we had originally told them they would only be contacted eight times.

Completed interviews	260 households
Type A Noninterviews	47 Households
Total	307 households

The number of individual completed interviews was 450. This corresponds to approximately 1.7 persons per household as compared to the 2.1 persons for households in CPS. Once again, we believe this lower figure is a function of the pretest. First, there may have been more individual refusals within households given the supplement was self-response. Also, we may have lost interviews in an attempt to maximize self-response if a proxy could not be obtained after two callbacks.

Listed below is the breakdown of the 450 interviews by mode of interview, type of respondent, and smoking status.

4

Mode of Interview:

Personal	139 interviews (31 percent)
Telephone	310 interviews (69 percent)
Missing	1 interview

Type of Respondent:

Self-response	393 interviews (88 percent)
Proxy	52 interviews (12 percent)
Missing	5 interviews

Smoking Status:

Current smokers	97 interviews (22 percent)
Former smokers	101 interviews (23 percent)
Never smoked	249 interviews (55 percent)
Unknow status	3 interviewers

Behavior Codes

Tables I and II present the interviewer and respondent behavior codes used to pretest the NCI Supplement (to the CPS) on tobacco use. Figure 1 illustrates the type of coding form used in the study.

Question Reading. If the meaning of the question remained the same even though the reading of the question was altered slightly, this was coded as a **slight change**. If the meaning of the question was altered as a result of a change in the question wording--no matter how minor the change may seem on the surface--this resulted in the coding behavior as a **major change**. Context was important in making these distinctions. For example, if the interviewer forgot to include the words "last week" at the end of a question, coders were trained to consider the prior context. If "last week" was explicitly mentioned in, say, the prior three questions, the omission in the present question was considered to be a minor change; in this case the respondent would probably have inferred that "last week" was the appropriate reference period. If however, the prior context did not inform the respondent as to the appropriate reference period, omission of the words "last week" would have constituted a major change. Verification codes were only used when the interviewer was

restating confirming information that the respondent provided earlier.

Table 1. Interviewer Question Reading Codes

E (Exact):   Interviewer reads the question exactly as printed.

S (Slight Change):   Interviewer reads the question changing a minor word that does not alter question meaning.

M (Major Change):   Interviewer changes the question such that the meaning is alerted. Interviewer does not complete reading the question. Interviewer skips a question that should have been asked or asks one that should have been skipped.

V (Verification):   In lieu of asking the question, the interviewer **accurately** verifies/repeats relevant information that the respondent had provided earlier.

WV

(Wrong Verification):   In lieu of asking the question, the interviewer attempts to verify pertinent information, but in doing so, presents the respondent with inaccurate or inappropriate information. Also to be used if the interviewer silently records the answer to a particular question based on information the respondent has already provided (and thus does not verify the information with the respondent).

Table II. Respondent Behavior Codes

IN (Interruption with Answer):   Respondent interrupts initial question-reading with answer.

CL (Clarification):   Respondent asks for repeat or clarification of question or makes a statement indicating uncertainty about question meaning.

AA (Adequate Answer):   Respondent gives answer that meets question objective.

QA (Qualified Answer):   Respondent gives answer that meets question objective, but is qualified to indicate uncertainty about accuracy.

IA (Inadequate Answer):   Respondent gives an answer that does not meet question objective.

DK (Don't Know):   Respondent gives a don't know or equivalent answer.

RE (Refusal):   Respondent refuses to answer the question.

Interruption with answer. Judgment was used whenever the respondent interrupted the interviewer during question reading:

(a)   if an interruption occurred **and** the interviewer did not go on to complete the entire question **and** the omitted material was essential for understanding the meaning of the question, this was coded as a **major change** (for the question reading) and as an interruption (on the part of the respondent).

(b)   if the omitted material was not essential to the question meaning, or the interviewer was able to complete the entire question, this was coded as a **slight change** for the question reading and an interruption on the part of the respondent.

Clarification. Coders were asked to note the reason a respondent asked for clarification (e.g., problem understanding the meaning or purpose of the question, problem understanding the meaning of a word, problem with the response categories, problems with the reference period).

Adequate, Qualified, and Inadequate Answers. Coding of these categories required understanding of the intent of the question. Responses that were reported as a range (e.g., "I smoked between 15 and 20 cigarettes a day") were generally coded as unacceptable (unless the question asked for the respondent to answer in terms of a range).

Implementation of Behavior Coding

Interviewers varied in the extent to which they were successful in tape recording all interviews. Despite the fact that only 450 interviews were completed and only 267 completed tapes were obtained, we were able to meet our goal of coding 150 completed interviews. We had hoped to code equal numbers of each smoking status. This is

8

approximately the case; however, the numbers are not exactly equal due to inconsistencies in the interviewer's records (from which we did our sampling) and what was actually on the tapes used for coding.

In addition to stratifying our sample of cases for behavior coding by smoking status, we also attempted to stratify by mode of interview (telephone vs. personal visit), type of respondent (self vs. proxy). Very few proxy interviews were recorded (this is not totally unexpected, since interviewers were instructed to maximize self-response to the supplement), and we coded all of them. We also stratified our sample by interviewer, to assure that the entire range of interviewer ability and style was included in our data set.

Our final tally of coded interviews is as follows:

	Mode of Interview		Type of Respondent	
	Telephone	Personal	Self	Proxy
Current Smokers	36	18	49	5
Former Smokers	28	16	38	6
Never Smoked	38	14	40	2
Total	102	48	127	23

The coding was done by six professional staff members of the Center for Survey Methods Research, Demographic Surveys Division, and Field Division. The coding scheme that was used is described in the preceding section. Data were keyed into a dBase4 data file and later transferred into a SAS file for analysis.

Results

The analysis of the behavior coding is presented below, by section of the questionnaire; screener, current smoker, former smoker, other tobacco use, workplace smoke, and other issues. The first six tables focus on the overall behaviors; tables 7 through

9

9 examine differences by mode and tables 10 through 12 focus on differences in interviewer and respondent behavior for self and proxy responses. Detailed behavior codes, by mode of interview and type of respondent are presented separately for each question in Appendix A.

Although there is no definitive cutpoint indicative of problem questions, we have limited most of the discussion to questions in which 15 percent or more of the time interviewers made major changes in the reading the question or in which respondents were unable to give an adequate answer without further clarification or probing on the part of the interviewer. It is important to note that in the tables, only one interviewer behavior is coded for each reading of the question but multiple respondent behaviors are possible. For example, if the respondent initially reported an inadequate answer, followed by a probe by the interviewer, and then an adequate answer by the respondent, two behaviors would be reported for the respondent for that question. The percentages for the respondent behaviors are based on the number of times the question was read and for which a respondent behavior was codeable.

Respondent behaviors were not coded when major changes were made in the wording of the question by the interviewer; it would be inappropriate to assess a respondent's behavior when the respondent has been presented with the wrong cue or question. In addition, there were times when the respondent's answer was impossible to hear on the tape. Therefore the base N's for interviewer behaviors are often different from the N's for the respondent behaviors. By presenting the percentages in this way, it is possible to determine the proportion of times in which an adequate answer could not be obtained, regardless of all of the prior respondent behavior. Ideally, one would like to have questions in which the initial response is adequate. Such questions require little to no extemporaneous behavior on the part of the interviewer--behavior which changes the instrument from a standard measurement device to a more subjective means of measurement. One of the strongest indicators of major problems with a question and the way it is worded is if it is impossible to achieve an adequate response, despite clarification and probing by the interviewers.

Interviewer Behavior for Smoking Prevalence Questions. With the exception of questions 5A and 5B, most of the prevalence questions were read either exactly as worded or with slight changes. Table 1 provides the distribution of interviewer behavior for questions 1 through 5B. (The reader is cautioned to note the small sample sizes for questions 5A and 5B). Slight changes in the question wording for question 1 included adding the word "ever" or omitting the word "entire". The high rate of major changes for questions 2 and 3 (although still less than our arbitrary 15% cutpoint) can all be attributed to changes made in reading the questions to a proxy respondent. The current wording of the questionnaire, in which no alternative wording is given for questioning a proxy respondent, forced the interviewers to reword the questions to fit the situation, a difficult task to do during an interview. The slight changes in question 4 ("On the average, how many cigarettes do you now smoke a day?) are for the most part a result of interviewers not including the word "now". Given the establishment of the reference period ("now") in question 3 and the use of a present tense verb, this was seen as a minor change.

Questions 5A and 5B should only be asked of current smokers who do not smoke every day. Most of the major changes in wording for question 5A and 5B were the result of interviewers following incorrect skip patterns--either omitting the question when it should have been asked or asking the question when they should have skipped to Section B, Current Smoker questions. Reformatting the questionnaire, with clearer skip instructions may rectify the situation.

Respondent Behavior for Smoking Prevalence Questions. Question 2 is a difficult recall task, and the difficulty for respondents is reflected in the 33 percent of the respondents who responded (initially) with either a qualified answer or an inadequate answer. Many of these answers reflected the respondents uncertainty with stating a specific age; many of the answers were in the form of a range of ages or qualified with the word "about". The respondent's cognitive task could be made simpler by providing them with specified categories that reflect that age ranges of interest, e.g. less than 15, 15 to 19, etc.

Question 5A asks the following:

On how many of the past 30 days did you smoke cigarettes?

Although the respondent behavior was only coded for 5 of the cases (since respondent behavior is not coded when there had been a major change in the wording of the question), three of the five respondents needed the questions to be clarified or responded with a qualified or inadequate answer. Once again, the question is requesting the respondent to integrate a series of cognitive tasks---first, determining the reference period ("past 30 days"), determining on which of these days the person smoked or not, and then integrating all of that information into one response. Once again, it is important to understand the analytic use of this question. If the analytic objectives are to look at groups of individuals based on whether they smoked most of the days or only a few of the days, the respondent's task could be made easier by providing the respondent with a range of days or descriptive adjectives to capture the number of days in which they smoked. Are there regular patterns of smoking for individuals that do not smoke every day that could be offered in a set of response categories--e.g. only on the weekend, only at work, etc.? The one case in which an inadequate answer was reported in Question 5B was due to the respondent reporting a range, rather than a specific number (same problem as was evidenced in Question 4).

Interviewer Behavior for Questions Asked Current Smokers. As is evident in Table 2, all of the questions in this section suffered from major changes in question wording; however, the majority of these problems appear to be the result of questionnaire formatting rather than difficulty in asking the questions as written.

In question 12A, interviewers read the entire question when asking about a medical doctor, but did not repeat the introduction when asking about a dentist (68% of the question readings were coded major change). In most Census Bureau surveys, questions which are formatted like question 12A do NOT require the interviewer to reread the introduction. Skip instructions (which appear above question 12B) were one of the reasons that both parts of question 12B were read with major changes. Several interviewers reread question 12B to refer to the doctor or dentist referred to in question 12A. Similarly, question 12C should

12

only have been asked of respondents who reported no visits to either a dentist or doctor within the past year; several interviewers inadvertently read the question to respondents who had respondent yes to either sections of question 12B. If the information in 12A is not of particular analytic use, but is rather a means for skipping respondents to 12B, reordering the questions to first ask 12C, and if yes, asking 12B may be easier to follow.

For question 13A, many of the interviewers read the wrong reference period--asking about the **last** 6 months or the next **12** months. These changes may be a function of the several reference periods discussed in the preceding questions.

Respondent Behavior for Questions Asked Current Smokers. Questions 8B and 9 were especially difficult for respondents to answer. Even after clarification and probing by the interviewers, only 78 percent of the respondents could provide an adequate answer to question 9. Question 9 asks:

> What is the total number of years you have smoked EVERY DAY? Do not include any time you stayed off cigarettes for 6 months or longer?

The difficulty for the respondent is first in determining what the question means: is the interviewer interested in the number of calendar years in which he/she smoked every day, or is the respondent expected to add up days, weeks, and months of having smoked and then integrate that into a total number of years? Several respondents answered in terms of ages or events in their lives and then, with the help of the interviewer, calculated an answer. For the current smoker who has had one or more cessation attempts, this question is very difficult to answer.

Question 11B ("How many times during the past 12 months .....TRYING to quit smoking?) had one of the highest rates of "don't know" responses. Once again, it may be possible to improve reporting without sacrificing analytic ability by providing the respondent with a different reporting task specifically asking if they have attempted to stop once, between 2 and 5 times, etc.

Questions 13A and 13B also resulted in high levels of "don't know" responses. Although the cognitive interviewing that was conducted prior to this pretest did not suggest that this was a difficult question for respondents to answer, the number of don't know responses suggests that respondents are indecisive in predicting their behavior in the future. However, for these two questions, a don't know response may be of as much analytic use as either yes or no, since these individuals may be open to persuasion or changes in behavior based on new information. Many of the inadequate answers provided include the terms "maybe, possibly, if I can, and I'll try".

Interviewer Behavior for Questions Asked Former Smokers. Once again, the high percentage of major changes shown for questions 16 in Table 3 was due to interviewers following the wrong skip patterns. Questions 16 through 18 (same as questions 7, 8A and 9) all were prone to major changes in question wording. In part, interviewers may be perceiving the questions as difficult for the respondent and attempting (on their own) to simplify the question.

Respondent Behavior for Questions Asked Former Smokers. Although the number of cases for question 15 limits our ability to draw inferences, for 3 of the 11 coded cases, no adequate response could be obtained--respondents reported in terms of a range of years or range of ages. Similar problems existed with questions 17 and 18, where respondents often answered in terms of "maybe, about, probably" and ranges of cigarettes and years. Since questions 17 and 18 are the same as questions 8A and 9, respectively, the problems enumerated above are also applicable here.

Interviewer and Respondent Behavior for Questions asked about Other Tobacco Use. Table 4 presents the results for questions 19A and 19B in Section D of the questionnaire. Most of the wording changes in question 19A reflect changes due to being interrupted by the respondent as well as omitting the phrase "on a regular basis" or adding the word "any". Since many of the positive responses to question 19A were in the form of

14

identifying the product rather than responding "yes", for the most part, the second part of question 19A was a verification by the interviewer. Correct verification includes repeating to the respondent the category or categories that are being marked; incorrect verification indicates that the interviewer simply marked the categories without noting the response to the respondent or asking if any other categories were appropriate. Some interviewers missed the skip instruction and asked question 19B inappropriately. These questions did not appear to pose any difficulty to the respondents.

Interviewer and Respondent Behavior for Workplace Tobacco Smoke Questions. Table 5 presents the behavior codes for the questions in Section E of the questionnaire. Question 20 appears to have been difficult for the interviewers as well as the respondents. Interviewers were instructed to read the question and then the answer categories until the respondent stopped him/her with an answer. In a few cases, the interviewer used their "knowledge" of the respondent's job to suggest an answer or reordered the answer categories. At other times, the last three categories were not read, even though the respondent had not interrupted with an answer. From the respondent's viewpoint, the categories are neither all inclusive or mutually exclusive. A number of respondents could not decide between categories. Others picked a category and then went on to explain his/her work area; the explanation often did not correspond to the chosen category. Respondents employed in retail represent one group for whom the answer categories did not fit their situation.

The question of whether the employer had an "official policy" caused some respondents problems at question 21; 15% of the final responses were not adequate. Some respondents questioned whether their company had a "policy" even though they worked in a nonsmoking building; others were unsure of whether there was a policy when smoking was restricted in certain areas of certain buildings. The distinction between official policy and the norms of the workplace was important to the respondents and they were reluctant to attribute the norms to "official policy".

The large percentage of major changes for questions 21B and 21C were for the most part due to interviewers not finishing all of the categories before being interrupted by the respondent. (Interviewers were instructed to read the entire list, not including Don't Know, to the respondents). The major problem for respondents in answering question 22 is their lack of knowledge about programs offered by employers.

Interviewer and Respondent Behavior: "Other Issues" Section. Most of the interviewer problems noted in the behavior codes presented in Table 6 for the "other issues" section are due to asking proxy respondents these questions. When faced with collecting the information by proxy, some interviewers chose to skip these questions; others attempted rewording such as "do you think he thinks..." or "what does she feel...". If proxy data are accepted for other sections of the questionnaire, the interviewer should be allowed to skip out of these questions or be provided with appropriate wording options.

Although most of the interviewer changes in wording were due to questions posed to proxy respondents, the majority of inadequate answers evident in the various sections of question 23 occurred for self respondents. Question 23 reads as follows:

Concerning smoking in the following places, DO YOU THINK that it should be allowed without restriction, should be permitted only in designated areas or not be allowed at all in.....Restaurants, Hospitals, Indoor work areas, Bars and cocktail lounges, Indoor sporting events, Indoor shopping malls, Trains (all asked separately).

Q23Rest includes the reading of the introductory part of the question; the length of the question is the main contributor to the large percentage (48%) of readings in which slight changes were made.

Two factors appear to have contributed to the high percentage of inadequate answers. First, respondents tended to forget the response categories, the more distant the specific question was from the introduction. It may be useful to instruct interviewers to reread the introduction or some section thereof before asking about "Bars and Lounges". Many of the inadequate answers to these questions were due to the fact that the respondent reported "yes"

or "no" rather than using the categories presented in the introduction. Second, it may be more difficult for respondents to visualize designated areas for some of the places; several of the inadequate answers were of the nature "I don't go there--I don't care".

The majority of the major changes in question reading for question 24 were due to questioning a proxy respondent. In several cases, interviewers assumed the answer for the proxy would be the same as what was reported for the self respondent and therefore did not ask the question. Other problems were due to respondents interrupting the interviewer before he/she could finish reading the answer categories.

Several of the concepts used in the question and the response categories for question 24 were problematic for the respondent. For example, college students living in a dorm were unsure as to where "home" was--the dorm or their parent's home. One of the biggest problems was for respondents with no smokers in the family; they had no explicit "rule" about smoking in their home. Others replied with statements such as "only when entertaining", a response that clearly falls within the category "...is allowed in some places or at some times", but this was not obvious to the respondent or the interviewer. Perhaps the inclusion of the phrase "e.g. when entertaining" would add clarification.

Several respondents were unable to provide a response to question 26--13% of the persons questioned reported a "don't know" response. The higher percentage of slight and major changes in the wording of questions 27 and 28 were once again, due to the interviewer attempting to reword the question to fit a proxy response.

Effects of Mode of Data Collection on Interviewer and Respondent Behavior.
Tables 7, 8, and 9 compare the percentage of major changes in question reading, inadequate answers and requests for clarification by mode of data collection. The findings are mixed; neither in-person or telephone data collection result in consistently better question reading on the part of the interviewer or consistently higher levels of inadequate answers or requests for clarification. Many of the comparisons are hampered by small sample sizes which limit the

inferential power of the statistics. The same interviewers conducted both personal and telephone interviews therefore differences between in-person and telephone interviews are not due to differences in the interviewing staff. However, most interviewers conducted telephone interviews before beginning in-person interviews. Theoretically, telephone interviews are hypothesized as providing greater anonymity for the respondent, often resulting in higher levels of reporting sensitive or socially undesirable information as compared to in-person interviews. Research has indicated that the pace of a telephone interview is faster than in-person interviews, resulting in more minor changes in question reading and shorter answers to open-ended questions (Groves and Kahn, 1979). However, in comparing the two modes, neither appear to be superior with respect to the behaviors coded in this pretest.

Effects of Respondent Type on Interviewer and Respondent Behavior. As noted above, the questionnaire is designed to be administered to self-respondents; several of the questions, especially those which concern attitudes and knowledge about smoking regulations and restrictions are not appropriate for proxy reporting. Proxy respondents were obtained following self reports from the same respondent; therefore proxy reporters had already been exposed to many of the questions during their self response. In general, interviewers were more likely to make major changes in question wording when asking about a proxy than for self reporters--this is not surprising, given the structure of the questionnaire. Since proxy reporters had previously heard many of the questions posed to them, it is also not surprising that a smaller percent of inadequate answers and requests for clarifications were elicited from proxy respondents.

Interviewer Debriefing Results

The results from the pretest debriefing are provided below by section of the questionnaire. Where appropriate, we highlighted the similarity or difference to the behavioral coding results presented in this report. All of the comments and suggestions listed below were provided by field representatives (FRs) during the debriefing session.

18

Section A - Smoking Prevalence/Screener. Question 5A and 5B - The FRs stated that these questions appeared to be difficult to answer and they questioned the accuracy of the responses. This is consistent with the behavioral coding results.

Section B - Current Smoker. Check Item A - This check item caused confusion for the FRs. They suggested that all skip instructions be incorporated into the questions and not provided in the separate check item. This problem is reflected in the behavioral coding results in that all of the questions in this section suffered from major changes in question wording, primarily the result of confusion with the skip patterns.

Questions 8B and 9 - The FRs indicated that these questions were too long which made it difficult for the respondents to provide an answer. This is consistent with the behavioral coding results.

Questions 11A and 11B - The FRs had no particular problems with these questions other than that the emphasis of TRYING should be highlighted in the interviewer procedures. However, the behavioral coding did indicate more serious problems with these questions.

Questions 12A, 12B and 12C - The FRs had significant problems with the order of these questions and many suggestions were given for reformatting. However, a final consensus was not reached. In addition, Check Item B was confusing and added to the problems with these questions. As stated in the behavioral coding results, one alternative may be to ask question 12C first and then proceed to 12B. In this case, 12A would not need to be asked. This was one of the suggestions given during the debriefing. Another suggestion was to combine all three questions, asking first about a medical doctor and then about a dentist.

Question 13B - The FRs strongly felt this question should be dropped from the questionnaire because it was very intimidating to respondents. This comment is reflected in

19

the high number of "don't know" responses to this question.

Section C - Former Smoker. Question 14 - The FRs stated that respondents had a problem determining whether they had smoked EVERYDAY for at least six months. The behavioral coding did not indicate any problems with this question.

Question 18 - When discussing this question during the debriefing, the suggestion was made to provide ranges for response categories rather than an open-ended response. The majority of the FRs did not want ranges and preferred to leave the question in its current form. The issue of ranges did not come up with any of the other open-ended questions, so FRs' preferences for ranges versus open-ended responses is unclear. The behavioral coding report did recommend the use of ranges in difficult recall questions.

Section D - Other Tobacco Use. Question 19A - The FRs stated that the term "regular basis" was a problem with this question and should be removed. They indicated that using the word EVER and regular basis was a contradiction. This is probably why the behavioral coding results showed that the phrase "regular basis" was often omitted by the FRs.

Skip instructions - The FRs commented that the skip instructions for question 19A and 19B should read "Skip to Check Item C" rather than skipping to Section E.

Section E - Workplace Tobacco Smoke. Question 20 - The FRs stated that the response list was too long even though they were allowed to stop reading the list once the respondent provided an answer. The suggestion was made to use a flashcard for this question. Unfortunately, since 75 percent of CPS interviews are completed by telephone, a flashcard would be useless in the majority of interviews. This problem is consistent with the behavioral coding results.

20

Question 21A - the FRs commented that this question was too wordy. Also, the word "employer" was problematic and the FRs suggested substituting "workplace" for "employer". This situation is outlined in the behavioral coding results.

Question 21B - The Frs stated that respondents did not understand "public or common areas" and that it was often mixed up with "work areas". Also, they felt that they should be allowed to stop reading the list once a respondent gave an answer. This suggestion applies also to question 21C. The behavioral coding results indicated no significant problems with the phrase "public or common areas".

Section F - Other Issues. The FRs stated that proxy respondents should be skipped out of the questions in Section F.

Question 23 - The FRs felt that this question was cumbersome. They felt that the words "restricted" and "designated" were not understood by all respondents in the pretest. They offered the suggestion of using "all areas/some areas/not allowed at all" as an alternative. In addition, the FRs suggested that trains be removed form the list and schools added. The cumbersome nature of this question is reflected in the high number of inadequate answers in the behavioral coding results.

Question 24 - The only suggestion regarding this question was to add the response category "no stated policy". Other potential problems with this question are described in the behavioral coding results.

Question 26, 27 and 28 - The FRs stated that these three questions were not understood by many of the respondents in the pretest. They felt the questions used too big words and were too sophisticated for the average respondent. Again, the word "restrictions" was noted as a potential problem. Some of the difficulties reflected in the behavioral coding results may be attributable to this problem along with attempting to reword the questions to fit a proxy response.

21

Recommendations

The analysis of the behavior coding suggests the following changes in the questionnaire may improve interviewers' ability to read the questions as written and reduce the level of inappropriate response on the part of the respondent:

- difficult recall questions which ask respondents to report an exact year or exact number of cigarettes, often resulted in inadequate or qualified responses. If possible, the respondent's reporting task could be simplified by providing ranges of ages, years, or numbers to permit the respondent to estimate the answer rather than attempt (often unsuccessfully) to pinpoint an exact answer.

- if proxy responses are acceptable, the questionnaire should be changed to provide flexible reading options to the interviewer. Proxy respondents should be skipped out of the questions in Section F - Other Issues since these are opinion and attitude questions.

- since the frequency of asking current and former smoker questions will be small for any one interviewer, skip patterns should be revised to minimize skip pattern errors.

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Figure 1. Behavior Coding Form

Question Reading   Respondent Behaviors

Question Number	E	S	M	V	WV	IN	CL	AA	QA	IA	DK	RE	Notes
					^c								

IN: Interrupt, CL: Clarify, AA: Adequate Answer, QA: Qualified Answer, IA: Inadequate Answer

24

Tables 1 - 12

Table 1. Percent Behavior Codes for Smoking Prevalence/Screener Questions[a]

	Question Number					
	Q1	Q2	Q3	Q4	Q5a	Q5b
Interviewer Behavior[b]						
Question Read as worded	84	83	72	73	16	50
Slight change in wording	15	7	14	22	11	0
Major change in wording	1	10	12	4	74	50
Answer verified correctly	1	0	1	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0	0
N	150	100	98	45	19	8
Respondent Behavior[b,c]						
Adequate answer	97	73	98	93	80	75
Qualified answer	1	19	1	9	20	0
Inadequate answer	3	14	1	16	20	25
Interruption	1	1	12	0	0	0
Clarification	2	1	0	0	20	0
Don't know	1	0	0	0	0	0
Refusal	0	0	0	0	0	0
N[d]	146	88	85	45	5	4

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Numbers represent percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 2. Percent Behavior Codes for Questions Asked Current Smokers[a]

	Question Number							
	Q6	Q7	Q8a	Q8b	Q9	Q10	Q11a	Q11b
Interviewer Behavior[b]								
Question read as worded	21	29	17	17	67	82	73	60
Slight change in wording	11	0	0	0	16	6	12	8
Major change in wording	68	71	83	83	16	10	15	32
Answer verified correctly	0	0	0	0	0	2	0	0
Answer verified incorrectly or not at all	0	0	0	0	0	0	0	0
N	19	7	6	6	49	49	33	25
Respondent Behavior[b,c]								
Adequate answer	100	100	100	100	78	100	100	65
Qualified answer	0	0	0	0	12	0	0	12
Inadequate answer	0	0	0	100	24	0	0	12
Interruption	20	0	0	0	0	0	4	0
Clarification	0	0	0	0	20	0	0	6
Don't know	0	0	0	0	2	0	0	18
Refusal	0	0	0	0	0	0	0	0
N[d]	5	1	1	1	41	43	28	17

[a] Includes both personal and telephone interviews as well as both self and proxy responses

[b] Numbers represents percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 2 (cont.)[a]	Question Number						
	Q12a1	Q12a2	Q12b1	Q12b2	Q12c	Q13a	Q13b
Interviewer Behavior[b]							
Question read as worded	87	15	19	16	56	74	81
Slight change in wording	11	17	36	26	3	9	6
Major change in wording	2	68	45	56	38	17	13
Answer verified correctly	0	0	0	2	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	3	0	0
N	53	53	42	43	32	54	32
Respondent Behavior[b,c]							
Adequate answer	98	100	100	100	95	78	66
Qualified answer	0	0	0	0	0	4	7
Inadequate answer	2	0	9	0	0	16	14
Interruption	0	0	0	0	0	0	0
Clarification	4	0	0	0	0	0	0
Don't know	0	0	0	0	5	13	21
Refusal	0	0	0	0	0	0	0
N[d]	52	17	23	19	19	45	29

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Percentages may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verification.

Table 3. Percent Behavior Codes for Questions Asked Former Smokers[a]

	Question Number				
	Q14	Q15	Q16	Q17	Q18
Interviewer Behavior[b]					
Question read as worded	84	79	66	63	62
Slight change in wording	7	7	16	26	18
Major change in wording	7	14	16	11	21
Answer verified correctly	0	0	3	0	0
Answer verified incorrectly or not at all	2	0	0	0	0
N	45	14	38	35	34
Respondent Behavior[b,c]					
Adequate answer	98	73	84	81	79
Qualified answer	0	9	13	16	18
Inadequate answer	3	27	9	23	11
Interruption	0	0	0	0	0
Clarification	5	0	3	13	7
Don't know	0	9	0	0	4
Refusal	0	0	0	0	0
N[d]	40	11	32	31	28

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Numbers represent percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for Respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

28

Table 4. Percent Behavior Codes for Questions Concerning Other Tobacco Use[a]

	Q19a	Q19a list	Q19b	Q19b list
Interviewer Behavior[b]				
Question read as worded	61	43	61	0
Slight change in wording	20	14	11	0
Major change in wording	19	0	28	50
Answer verified correctly	0	21	0	50
Answer verified incorrectly or not at all	0	21	0	0
N	150	14	18	2
Respondent Behavior[b,c]				
Adequate answer	97	89	100	100
Qualified answer	2	0	0	0
Inadequate answer	0	11	0	0
Interruption	13	11	0	0
Clarification	1	0	0	0
Don't know	0	0	0	0
Refusal	0	0	0	0
N[d]	116	9	11	1

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Numbers represent percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 5. Percent Behavior Codes for Questions Concerning Workplace Tobacco Smoke[a]

	Question Wording				
	Q20	Q21a	Q21b	Q21c	Q22
Interviewer Behavior[b]					
Question read as worded	37	84	4	7	67
Slight change in wording	44	9	26	26	22
Major change in wording	18	6	63	54	9
Answer verified correctly	0	0	4	4	0
Answer verified incorrectly or not at all	1	1	3	7	1
N	93	86	73	68	89
Respondent Behavior[b,c]					
Adequate answer	92	85	92	96	85
Qualified answer	1	7	0	0	6
Inadequate answer	18	5	4	8	4
Interruption	0	1	4	8	5
Clarification	0	1	4	12	0
Don't know	0	2	4	0	8
Refusal	0	0	0	0	0
N[d]	73	81	25	26	80

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Numbers represent percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 6. Percent Behavior Codes for "Other Issues" Questions [a]

	Q23 rest	Q23 hosp	Q23 work	Q23 bar	Q23 sprt	Q23 mall	Q23 train
				Question Number			
Interviewer Behavior[b]							
Question read as worded	45	81	86	85	84	89	82
Slight change in wording	48	13	5	7	7	2	8
Major change in wording	7	5	7	5	7	6	6
Answer verified correctly	0	1	1	1	1	1	1
Answer verified incorrectly or not at all	1	1	1	1	2	2	3
N	148	149	148	147	149	149	146
Respondent Behavior[b,c]							
Adequate answer	96	83	87	80	83	81	80
Qualified answer	1	3	1	2	1	1	1
Inadequate answer	9	17	17	30	23	23	21
Interruption	5	0	0	0	1	0	0
Clarification	4	1	4	2	4	1	4
Don't know	1	0	0	6	1	0	1
Refusal	0	0	0	0	0	0	0
N[d]	138	137	136	137	133	135	133

[a] Includes both personal and telephone interviews as well as both self and proxy responses.

[b] Numbers represent percentages which may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 6. (cont.)[a]

	Question Number				
	Q24	Q25	Q26	Q27	Q28
Interviewer Behavior[b]					
Question read as worded	68	83	82	69	73
Slight change in wording	12	11	11	19	16
Major change in wording	18	5	7	12	10
Answer verified correctly	1	0	0	0	0
Answer verified incorrectly or not at all	1	1	1	1	1
N	148	149	149	147	147
Respondent Behavior[b,c]					
Adequate answer	93	94	81	94	94
Qualified answer	2	1	5	2	3
Inadequate answer	16	4	4	7	6
Interruption	2	4	0	11	4
Clarification	3	4	7	2	4
Don't know	0	1	13	1	1
Refusal	0	0	0	0	0
N[d]	121	139	136	128	131

[a] Includes both personal and telephone interviews as well as both self and proxy respondents.

[b] Percentages may not add to 100% due to rounding.

[c] Percentages may be greater than 100% if more than one respondent behavior was recorded for the item.

[d] The N for respondent behaviors reflects the omission of responses for questions with major changes in wording or wrong verifications.

Table 7. Percent of Major Changes in Interviewer Question Reading by Mode of Data Collection[a]

Question Number	In Person	(N)	Telephone	(N)
Q4	0	(16)	7	(29)
Q5a	80	(5)	71	(14)
Q6	83	(6)	62	(13)
Q7	67	(3)	75	(4)
Q8a	100	(3)	67	(3)
Q8b	100	(3)	67	(3)
Q11a	22	(9)	13	(24)
Q11b	56	(9)	19	(16)
Q12a2	72	(18)	66	(35)
Q12b1	50	(10)	44	(32)
Q12b2	60	(15)	54	(28)
Q12c	27	(11)	5	(21)
Q13a	11	(19)	20	(35)
Q13b	0	(8)	17	(24)
Q14	0	(16)	10	(29)
Q16	8	(12)	19	(26)
Q17	0	(11)	17	(24)
Q18	9	(11)	26	(23)
Q19a	25	(48)	17	(102)
Q21b	58	(19)	65	(54)
Q21c	63	(19)	51	(49)
Q26	2	(47)	9	(102)

[a] The percentage reflects the percent of times in which the interviewer read the question making major changes.

Table 8. Percent Inadequate Answers by Mode of Data Collection[a]

Question Number	In Person	(N)	Telephone	(N)
Q2	6	(31)	18	(57)
Q4	12	(17)	18	(28)
Q5a	100	(1)	0	(4)
Q5b	0	(1)	33	(3)
Q9	29	(14)	22	(27)
Q11b	25	(4)	8	(13)
Q12b1	0	(5)	11	(18)
Q14	7	(15)	0	(25)
Q15	40	(5)	17	(6)
Q16	18	(11)	5	(21)
Q17	18	(11)	25	(20)
Q18	20	(10)	6	(18)
Q19alist	20	(5)	0	(4)
Q20	10	(20)	21	(53)
Q21b	11	(9)	0	(16)
Q21C	0	(6)	10	(20)
Q23hosp	24	(45)	13	(92)
Q23work	23	(44)	14	(92)
Q23bar	34	(44)	28	(93)
Q23sprt	33	(43)	18	(90)
Q23mall	28	(43)	21	(92)
Q23trn	28	(40)	18	(93)
Q27	12	(42)	5	(86)

[a] The percentage reflects the percent of times in which an inadequate response was reported.

Table 9. Percent Clarification by Mode of Data Collection[a]

Question Number	In Person	(N)	Telephone	(N)
Q5a	0	(1)	25	(4)
Q9	7	(14)	26	(27)
Q11b	0	(4)	8	(13)
Q12a1	0	(18)	6	(34)
Q17	18	(11)	10	(20)
Q21b	11	(9)	0	(16)
Q21c	17	(6)	10	(20)
Q26	13	(45)	3	(91)
Q28	10	(42)	1	(89)

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[a] The percentage reflects the percent of times in which the respondent requested clarification of the question and/or response categories.

Table 10. Percent Major Changes in Interviewer Question Reading by Respondent Type[a]

Question Number	Self Response	(N)	Proxy Response	(N)
Q2	8	(88)	25	(12)
Q3	11	(87)	18	(11)
Q9	18	(44)	0	(5)
Q10	11	(44)	0	(5)
Q11a	16	(32)	0	(1)
Q12a2	67	(48)	80	(5)
Q12b1	44	(39)	67	(3)
Q12b2	55	(40)	67	(3)
Q13a	12	(49)	60	(5)
Q13b	7	(30)	100	(2)
Q14	5	(39)	17	(6)
Q15	17	(12)	0	(2)
Q16	12	(33)	40	(5)
Q17	10	(31)	25	(4)
Q18	19	(31)	33	(3)
Q19b	19	(16)	100	(2)
Q20	16	(81)	33	(12)
Q21a	4	(75)	18	(11)
Q21b	65	(65)	50	(8)
Q21c	56	(61)	43	(7)
Q22	8	(78)	18	(11)
Q23rest	2	(126)	36	(22)
Q23hosp	2	(126)	26	(23)
Q23work	2	(125)	30	(23)

[a] The percentage reflects the percent of times in which the interviewer read the question making major changes.

Table 10 (cont.)

Question Number	Self Response	(N)	Proxy Response	(N)
Q23bar	1	(124)	30	(23)
Q23sprt	2	(126)	30	(23)
Q23mall	2	(126)	30	(23)
Q23train	2	(123)	30	(23)
Q24	11	(125)	52	(23)
Q25	1	(126)	30	(23)
Q26	2	(126)	35	(23)
Q27	6	(124)	39	(23)
Q28	3	(124)	43	(23)

Table 11. Percent Inadequate Answers by Respondent Type[a]

Question Number	Self Response	(N)	Proxy Response	(N)
Q2	15	(79)	0	(9)
Q9	22	(36)	40	(5)
Q12b1	9	(22)	0	(1)
Q13	16	(43)	0	(2)
Q15	30	(10)	0	(1)
Q16	10	(29)	0	(3)
Q17	25	(28)	0	(3)
Q18	12	(26)	0	(2)
Q21c	8	(24)	0	(2)
Q23rest	10	(124)	0	(14)
Q23bar	32	(123)	14	(14)
Q23sprt	24	(119)	14	(14)
Q23mall	24	(121)	14	(14)
Q23tm	22	(119)	14	(14)
Q24	17	(112)	0	(9)
Q27	8	(115)	0	(13)
Q28	7	(119)	0	(12)

[a] The percentage reflects the percent of times in which an inadequate response was reported.

Table 12. Percent Clarifications by Respondent Type[a]

Question Number	Self Response	(N)	Proxy Response	(N)
Q9	22	(36)	0	(5)
Q14	6	(36)	0	(4)
Q17	14	(28)	0	(3)
Q18	8	(26)	0	(2)
Q21c	13	(24)	0	(2)
Q26	7	(122)	0	(14)

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[a] The percentage reflects the percent of times in which the respondent requested clarification of the question and/or response categories.

APPENDIX A:

Behavior Coding by Mode of Interview and Type of Respondent

Question Q1: Have you smoked at least 100 cigarettes in your entire life?

Number of Interviews in which the question was asked: 150

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	84.00	87.50	82.35	87.40	65.22
Slight change in wording	14.67	12.50	15.69	11.81	30.43
Major change in wording	0.67	0	0.98	0	4.35
Answer verified correctly	0.67	0	0.98	0.79	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	150	48	102	127	23
Respondent Behavior					
Adequate answer	97.26	100	95.96	98.41	90.00
Qualified answer	1.37	0	2.02	1.59	0
Inadequate answer	2.74	0	4.04	2.38	5.00
Interruption	0.68	0	1.01	0	5.00
Clarification	2.05	2.13	2.02	2.38	0
Don't know	0.68	0	1.01	0	5.00
Refusal	0	0	0	0	0
Number of useable cases:	146	47	99	126	20

Question Q2: How old were you when you first started smoking cigarettes fairly regularly?

Number of Interviews in which the question was asked: 100

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read **as worded**	83.00	80.00	84.62	85.23	66.67
Slight change in wording	7.00	8.57	6.15	6.82	8.33
Major change in wording	10.00	11.43	9.23	7.95	25.00
Answer **verified** correctly	0	0	0	0	0
Answer verified **incorrectly** or not at all	0	0	0	0	0
Number of useable cases:	100	35	65	88	12
Respondent Behavior					
Adequate answer	72.73	87.10	64.91	73.42	66.67
Qualified answer	19.32	9.68	24.56	17.72	33.33
Inadequate answer	13.64	6.45	17.54	15.19	0
Interruption	1.14	0	1.75	1.27	0
Clarification	1.14	3.23	0	1.27	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	88	31	57	79	9

Question Q3: Do you now smoke cigarettes every day, some days, or not at all?

Number of Interviews in which the question was asked: 98

	Total	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	72.45	70.59	73.44	75.86	45.45
Slight change in wording	14.29	14.71	14.06	12.64	27.27
Major change in wording	12.24	11.76	12.50	11.49	18.18
Answer verified correctly	1.02	2.94	0	0	9.09
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	98	34	64	87	11
Respondent Behavior					
Adequate answer	97.65	96.67	98.18	97.37	100
Qualified answer	1.18	0	1.82	1.32	0
Inadequate answer	1.18	3.33	0	1.32	0
Interruption	11.76	10.00	12.73	10.53	22.22
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	85	30	55	76	9

Question Q4: On the average, how many cigarettes do you now smoke a day?

Number of Interviews in which the question was asked: 47

	Total	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	73.33	93.75	62.07	75.00	60.00
Slight change in wording	22.22	6.25	31.03	20.00	40.00
Major change in wording	4.44	0	6.90	5.00	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	45	16	29	40	5
Respondent Behavior					
Adequate answer	93.33	88.24	96.43	95.00	80.00
Qualified answer	8.89	11.76	7.14	5.00	40.00
Inadequate answer	15.56	11.76	17.86	15.00	20.00
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	45	17	28	40	5

Question Q5a: On how many of the past 30 days did you smoke cigarettes?

Number of Interviews in which the question was asked: 19

	Total	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	15.79	20.00	14.29	15.79	0
Slight change in wording	10.53	0	14.29	10.53	0
Major change in wording	73.68	80.00	71.43	73.68	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	19	5	14	19	0
Respondent Behavior					
Adequate answer	80.00	100	75.00	80.00	0
Qualified answer	20.00	0	25.00	20.00	0
Inadequate answer	20.00	100	0	20.00	0
Interruption	0	0	0	0	0
Clarification	20.00	0	25.00	20.00	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	5	1	4	5	0

Question Q5b: On the average, when you smoked, about how many cigarettes did you smoke a day?

Number of Interviews in which the question was asked: 8

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	50.00	50.00	50.00	50.00	0
Slight change in wording	0	0	0	0	0
Major change in wording	50.00	50.00	50.00	50.00	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	8	2	6	8	0
Respondent Behavior					
Adequate answer	75.00	100	66.67	75.00	0
Qualified answer	0	0	0	0	0
Inadequate answer	25.00	0	33.33	25.00	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	4	1	3	4	0

Question Q6: Have you ever smoked cigarettes EVERY DAY for at least 6 months?

Number of Interviews in which the question was asked: 19

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	21.05	0	30.77	21.05	0
Slight change in wording	10.53	16.67	7.69	10.53	0
Major change in wording	68.42	83.33	61.54	68.42	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	19	6	13	19	0
Respondent Behavior					
Adequate answer	100	100	100	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	20.00	100	0	20.00	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	5	1	4	5	0

Question Q7: About how long has it been since you last smoked cigarettes EVERY DAY?

Number of Interviews in which the question was asked: 7

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	28.57	33.33	25.00	28.57	0
Slight change in wording0	0	0	0	0	0
Major change in wording	71.43	66.67	75.00	71.43	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	7	3	0	7	0
Respondent Behavior					
Adequate answer	100	100	0	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	1	1	0	1	0

Question Q8a: When you last smoked every day, on average how many cigarettes did you smoke daily?

Number of Interviews in which the question was asked: 6

	Total	MODE of INTERVIEW In Person	Pnone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	16.67	0	33.33	16.67	0
Slight change in wording	0	0	0	0	0
Major change in wording	83.33	100	66.67	83.33	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	6	3	3	6	0
Respondent Behavior					
Adequate answer	100	0	100	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	1	0	1	1	0

Question Q8b: What is the total of years you smoked every day? Do not include any time you stayed off cigarettes for 6 months or longer.

Number of Interviews in which the question was asked: 6

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	16.67	0	33.33	16.67	0
Slight change in wording	0	0	0	0	0
Major change in wording	83.33	100	66.67	83.33	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	6	3	3	6	0
Respondent Behavior					
Adequate answer	100	0	100	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	100	0	100	100	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	1	0	1	0	0

Question Q9: What is the total number of years you have smoked every day? Do not include any time you stayed off cigarettes for 6 months or longer.

Number of Interviews in which the question was asked: 49

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	67.35	52.94	75.00	65.91	80.00
Slight change in wording	16.33	29.41	9.38	15.91	20.00
Major change in wording	16.33	17.65	15.63	18.18	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	49	17	32	44	5
Respondent Behavior					
Adequate answer	78.05	64.29	85.19	77.78	80.00
Qualified answer	12.20	14.29	11.11	13.89	0
Inadequate answer	24.39	28.57	22.22	22.22	40.00
Interruption	0	0	0	0	0
Clarification	19.51	7.14	25.93	22.22	0
Don't know	2.44	7.14	0	2.78	0
Refusal	0	0	0	0	0
Number of useable cases:	41	14	27	36	5

Question Q10: Have you ever stopped smoking for one day or longer because you were TRYING to quit smoking?

Number of Interviews in which the question was asked: 49

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	81.63	73.68	86.67	79.55	100
Slight change in wording	6.12	15.79	0	6.82	0
Major change in wording	10.20	10.53	10.00	11.36	0
Answer verified correctly	2.04	0	3.33	2.27	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	49	19	30	44	5
Respondent Behavior					
Adequate answer	100	100	100	100	100
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	43	16	27	38	5

Question Q11a: During the PAST 12 MONTHS, have you stopped smoking for one day or longer because you were trying to quit smoking?

Number of Interviews in which the question was asked: 33

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	72.73	55.56	79.1	71.88	100
Slight change in wording	12.12	22.22	8.33	12.50	0
Major change in wording	15.15	22.22	12.50	15.63	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	33	9	24	32	1
Respondent Behavior					
Adequate answer	100	100	100	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	3.57	14.29	0	3.70	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	28	7	21	27	1

Question Q11b: How many times during the past 12 months have you stopped smoking for one day or longer because you were TRYING to quit smoking?

Number of Interviews in which the question was asked: 25

	Total	MODE of INTERVIEW In Preson	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	60.00	33.33	75.00	60.00	0
Slight change in wording	8.00	11.11	6.25	8.00	0
Major change in wording	32.00	55.56	18.75	32.00	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	25	9	16	25	0
Respondent Behavior					
Adequate answer	64.71	75.00	61.54	64.71	0
Qualified answer	11.76	0	15.38	11.76	0
Inadequate answer	11.76	25.00	7.69	11.76	0
Interruption	0	0	0	0	0
Clarification	5.88	0	7.69	5.88	0
Don't know	17.65	0	23.08	17.65	0
Refusal	0	0	0	0	0
Number of useable cases:	17	4	13	17	0

Question Q12a1: In the past year have you seen a medical doctor?

Number of Interviews in which the question was asked: 53

	Total	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	86.79	88.89	85.71	87.50	80.00
Slight change in wording	11.32	11.11	11.43	10.42	20.00
Major change in wording	1.89	0	2.86	2.08	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	53	18	35	48	5
Respondent Behavior					
Adequate answer	98.08	94.44	100	97.87	100
Qualified answer	0	0	0	0	0
Inadequate answer	1.92	5.56	0	2.13	0
Interruption	0	0	0	0	0
Clarification	3.85	0	5.88	4.26	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	52	18	34	47	5

Question Q12a2: In the past year have you seen a dentist?

Number of Interviews in which the question was asked: 53

	Total	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	15.09	11.11	17.14	16.67	0
Slight change in wording	16.98	16.67	17.14	16.67	20.00
Major change in wording	67.92	72.22	65.71	66.67	80.00
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	53	18	35	48	5
Respondent Behavior					
Adequate answer	100	100	100	100	100
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	17	5	12	16	1

Question Q12b1: During the past year, did any medical doctor advise you to stop smoking?

Number of Interviews in which the question was asked: 42

	Total	Mode of INTERVIEW In Person	Phone	Type of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	19.05	0	25.00	20.51	0
Slight change in wording	35.71	50.00	31.25	35.90	33.33
Major change in wording	45.24	50.00	43.75	43.59	66.67
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	42	10	32	39	3
Respondent Behavior					
Adequate answer	100	100	100	100	100
Qualified answer	0	0	0	0	0
Inadequate answer	8.70	0	11.11	9.09	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	23	5	18	22	1

Question Q12b2: During the past year, did any dentist advise you to stop smoking?

Number of Interviews in which the question was asked: 43

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read **as worded**	16.28	20.00	14.29	17.50	0
Slight change in wording	25.58	20.00	28.57	25.00	33.33
Major change in wording	55.81	60.00	53.57	55.00	66.67
Answer **verified** correctly	2.33	0	3.57	2.50	0
Answer verified **incorrectly** or not at all	0	0	0	0	0
Number of useable cases:	43	15	28	40	3
Respondent Behavior					
Adequate answer	100	100	100	100	100
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	19	6	13	18	1

Question Q12c: Has a medical doctor or dentist EVER advised you to stop smoking?

Number of Interviews in which the question was asked: 33

	Total	MODE of INTERVIEW In		TYPE of RESPONDENT	
		Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	56.25	63.64	52.38	55.17	66.67
Slight change in wording	3.13	9.09	42.86	3.45	0
Major change in wording	37.50	27.27	4.76	37.93	33.33
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	3.13	0	4.76	3.45	0
Number of useable cases:	32	11	21	29	3
Respondent Behavior					
Adequate answer	94.74	100	90.91	94.12	100
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	5.26	0	9.09	5.88	0
Refusal	0	0	0	0	0
Number of useable cases:	19	8	11	17	2

Question Q13a: Are you seriously considering stopping within the next 6 months?

Number of Interviews in which the question was asked: 54

	Total	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	74.04	73.68	72.29	79.59	20.00
Slight change in wording	9.26	15.79	5.71	8.16	20.00
Major change in wording	16.67	10.53	20.00	12.24	60.00
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	54	19	35	49	5
Respondent Behavior					
Adequate answer	77.78	88.24	71.43	76.74	100
Qualified answer	4.44	0	7.14	4.65	0
Inadequate answer	15.56	17.65	14.29	16.28	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	13.33	5.88	17.86	13.95	0
Refusal	0	0	0	0	0
Number of useable cases:	45	17	28	43	2

Question Q13b: Are you planning to stop within the next 30 days?

Number of Interviews in which the question was asked: 33

	Total	MODE of INTERVIEW IN Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read **as worded**	81.25	100	75.00	86.67	0
Slight change in wording	6.25	0	8.33	6.67	0
Major change in wording	12.50	0	16.67	6.67	100
Answer **verified** correctly	0	0	0	0	0
Answer verified **incorrectly** or not at all	0	0	0	0	0
Number of useable cases:	32	8	24	30	2
Respondent Behavior					
Adequate answer	65.52	62.50	66.67	65.52	0
Qualified answer	6.90	0	9.52	6.90	0
Inadequate answer	13.79	12.50	14.29	13.79	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	20.69	37.50	14.29	20.69	0
Refusal	0	0	0	0	0
Number of useable cases:	29	8	21	29	0

Question Q14: Have you EVER smoked cigarettes EVERY DAY for at least 6 months?

Number of Interviews in which the question was asked: 45

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Pnone	Self	Proxy
Interviewer Behavior					
Question read as worded	84.44	93.75	79.31	84.62	83.33
Slight change in wording	6.67	0	0	10.34	7.69
Major change in wording	6.67	0	10.34	5.13	16.67
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	2.22	6.25	0	2.56	0
Number of useable cases:	45	16	29	39	6
Respondent Behavior					
Adequate answer	97.50	93.33	100	97.22	100
Qualified answer	0	0	0	0	0
Inadequate answer	2.50	6.67	0	2.78	0
Interruption	0	0	0	0	0
Clarification	5.00	6.67	4.00	5.56	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	40	15	25	36	4

Question Q15: How long has it been since you completely stopped smoking cigarettes?

Number of Interviews in which the question was asked: 14

	TOTAL	MODE of INTERVIEW In		TYPE of RESPONDENT	
		Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	78.57	83.33	75.00	75.00	100
Slight change in wording	7.14	0	12.50	8.33	0
Major change in wording	14.29	16.67	12.50	16.67	0
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	14	6	8	12	2
Respondent Behavior					
Adequate answer	72.73	80.00	66.67	70.00	100
Qualified answer	9.09	0	16.67	10.00	0
Inadequate answer	27.27	40.00	16.67	30.00	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	9.09	20.00	0	10.00	0
Refusal	0	0	0	0	0
Number of useable cases:	11	5	6	10	1

Question Q16: About how long has it been since you last smoked cigarettes EVERY DAY?

Number of Interviews in which the question was asked: 38

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	65.79	75.00	61.54	69.70	40.00
Slight change in wording	15.79	16.67	15.38	15.15	20.00
Major change in wording	15.79	8.33	19.23	12.12	40.00
Answer verified correctly	2.63	0	3.85	3.03	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	38	12	26	33	5
Respondent Behavior					
Adequate answer	84.38	81.82	85.71	82.76	100
Qualified answer	12.50	18.18	9.52	13.79	0
Inadequate answer	9.38	18.18	4.76	10.34	0
Interruption	0	0	0	0	0
Clarification	3.13	0	4.76	3.45	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	32	11	21	29	3

Question Q17: When you last smoked every day, on average how many cigarettes did you smoke daily?

Number of Interviews in which the question was asked: 35

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	62.86	72.73	58.33	67.74	25.00
Slight change in wording	25.71	27.27	25.00	22.58	50.00
Major change in wording	11.43	0	16.67	9.68	25.00
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	35	11	24	31	4

	TOTAL	In Person	Phone	Self	Proxy
Respondent Behavior					
Adequate answer	80.65	63.64	90.00	78.57	100
Qualified answer	16.13	36.36	5.00	17.86	0
Inadequate answer	22.58	18.18	25.00	25.00	0
Interruption	0	0	0	0	0
Clarification	12.90	18.18	10.00	14.29	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	31	11	20	28	3

Question Q18: What is the total number of years you smoked EVERY DAY? Do not include any time you stayed off cigarettes for 6 months or longer.

Number of Interviews in which the question was asked: 36

	TOTAL	MODE of INTERVIEW In		TYPE of RESPONDENT	
	TOTAL	Person	Phone	Self	Proxy
Interviewer Behavior					
Question read **as worded**	61.76	72.73	56.52	67.74	0
Slight change in wording	17.65	18.18	17.39	12.90	66.67
Major change in wording	20.59	9.09	26.09	19.31	33.33
Answer **verified** correctly	0	0	0	0	0
Answer verified **incorrectly** or not at all	0	0	0	0	0
Number of useable cases:	34	11	23	31	3
Respondent Behavior					
Adequate answer	78.57	80.00	77.78	76.92	100
Qualified answer	17.86	20.00	16.67	19.23	0
Inadequate answer	10.71	20.00	5.56	11.54	0
Interruption	0	0	0	0	0
Clarification	7.14	10.00	5.56	7.69	0
Don't know	3.57	0	5.56	3.85	0
Refusal	0	0	0	0	0
Number of useable cases:	28	10	18	26	2

Question Q19a: Have you EVER used other tobacco products such as pipes, cigars, chewing tobacco or snuff on a regular basis?

Number of Interviews in which the question was asked: 150

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	60.67	58.33	61.76	62.99	47.83
Slight change in wording	20.00	16.67	21.57	18.11	30.43
Major change in wording	19.33	25.00	16.67	18.90	21.74
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	150	48	102	127	23
Respondent Behavior					
Adequate answer	96.55	96.97	96.39	96.00	100
Qualified answer	1.72	3.03	1.20	2.00	0
Inadequate answer	0	0	0	0	0
Interruption	12.93	24.24	8.43	12.00	18.75
Clarification	0.86	0	1.20	1.00	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	116	33	83	100	16

Question Q19alist: Which ones?

Number of Interviews in which the question was asked: 14

	TOTAL	MODE of INTERVIEW In		TYPE of RESPONDENT	
		Person	Phone	Self	Proxy
Interviewer Behavior					
Question read **as worded**	42.86	57.14	28.57	46.15	0
Slight change in wording	14.29	14.29	14.29	7.69	100
Major change in wording	0	0	0	0	0
Answer **verified** correctly	21.43	14.29	28.57	23.08	0
Answer verified **incorrectly** or not at all	21.43	14.29	28.57	23.08	0
Number of useable cases:	14	7	7	13	1
Respondent Behavior					
Adequate answer	88.89	80.00	100	88.89	0
Qualified answer	0	0	0	0	0
Inadequate answer	11.11	20.00	0	11.11	0
Interruption	11.11	20.00	0	11.11	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	9	5	4	9	0

Question Q19b: Do you NOW use ...? (pipe/cigar/chewing tobacco/snuff)?

Number of Interviews in which the question was asked: 18

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	61.11	75.00	50.00	68.75	0
Slight change in wording	11.11	0	20.00	12.50	0
Major change in wording	27.78	25.00	30.00	18.75	100
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	18	8	10	16	2
Respondent Behavior					
Adequate answer	100	100	100	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	11	4	7	11	0

Question Q19blist: Which ones?

Number of Interviews in which the question was asked: 2

| | TOTAL | MODE of INTERVIEW | | TYPE of RESPONDENT | |
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	0	0	0	0	0
Slight change in wording	0	0	0	0	0
Major change in wording	50.00	50.00	0	50.00	0
Answer verified correctly	50.00	50.00	0	50.00	0
Answer verified incorrectly or not at all	0	0	0	0	0
Number of useable cases:	2	2	0	2	0
Respondent Behavior					
Adequate answer	100	100	0	100	0
Qualified answer	0	0	0	0	0
Inadequate answer	0	0	0	0	0
Interruption	0	0	0	0	0
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	1	1	0	1	0

Question Q20: Which of these best describes the area in which you work most of the time?

Number of Interviews in which the question was asked: 93

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	36.56	46.15	32.84	37.04	33.33
Slight change in wording	44.09	34.62	47.76	46.91	25.00
Major change in wording	18.28	19.23	17.91	16.05	33.33
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	1.08	0	1.49	0	8.33
Number of useable cases:	93	26	67	81	12
Respondent Behavior					
Adequate answer	91.78	95.00	90.57	90.91	100
Qualified answer	1.37	5.00	0	1.52	0
Inadequate answer	17.81	10.00	20.75	18.18	14.29
Interruption	1.37	0	1.89	0	14.29
Clarification	0	0	0	0	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	73	20	53	66	7

Question Q21a: Does your employer have an official policy that restricts smoking in any way?

Number of Interviews in which the question was asked: 87

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	83.72	87.50	82.26	88.00	54.55
Slight change in wording	9.30	8.33	9.68	8.00	18.18
Major change in wording	5.81	4.17	6.45	4.00	18.18
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	1.16	0	1.61	0	9.09
Number of useable cases:	86	24	62	75	11
Respondent Behavior					
Adequate answer	85.19	73.91	89.66	84.93	87.50
Qualified answer	7.41	21.74	1.72	8.22	0
Inadequate answer	4.94	4.35	5.17	5.48	0
Interruption	1.23	0	1.72	0	12.50
Clarification	1.23	0	1.72	1.37	0
Don't know	2.47	0	3.45	1.37	0
Refusal	0	0	0	0	0
Number of useable cases:	81	23	58	73	8

Question Q21b: Which of these best describes your employers smoking policy for indoor public or common area, such as lobbies, rest rooms, and lunch rooms?

Number of Interviews in which the question was asked: 74

	TOTAL	MODE of INTERVIEW In		TYPE of RESPONDENT	
		Person	Phone	Self	Proxy
Interviewer Behavior					
Question read **as worded**	4.11	10.53	1.85	4.62	0
Slight change in wording	26.03	31.58	24.07	26.15	25.00
Major change in wording	63.01	57.89	64.81	64.62	50.00
Answer **verified** correctly	4.11	0	5.56	4.62	0
Answer verified **incorrectly** or not at all	2.74	0	3.70	0	25.00
Number of useable cases:	73	19	54	65	8
Respondent Behavior					
Adequate answer	92.00	77.78	100	91.30	100
Qualified answer	0	0	0	0	0
Inadequate answer	4.00	11.11	0	4.35	0
Interruption	4.00	0	6.25	4.35	0
Clarification	4.00	11.11	0	4.35	0
Don't know	4.00	11.11	0	4.35	0
Refusal	0	0	0	0	0
Number of useable cases:	2	9	16	23	2

Question Q21c: Which of these best describes your employer's smoking policy for work areas?

Number of Interviews in which the question was asked: 69

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	7.35	5.26	8.16	6.56	14.29
Slight change in wording	26.47	26.32	26.53	27.87	14.29
Major change in wording	54.41	63.16	51.02	55.74	42.86
Answer verified correctly	4.41	5.26	4.08	4.92	0
Answer verified incorrectly or not at all	7.35	0	10.20	4.92	28.57
Number of useable cases:	68	19	49	61	7
Respondent Behavior					
Adequate answer	96.15	100	95.00	95.83	100
Qualified answer	0	0	0	0	0
Inadequate answer	7.69	0	100	8.33	0
Interruption	7.69	0	10.00	8.33	0
Clarification	11.54	16.67	10.00	12.50	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	26	6	20	24	2

Question Q22: Within the PAST 12 MONTHS has your employer offered any stop smoking program or any other help to employees who want to quit smoking?

Number of Interviews in which the question was asked: 89

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	67.42	64.00	68.75	70.51	45.45
Slight change in wording	22.47	28.00	20.31	21.79	27.27
Major change in wording	8.99	8.00	9.38	7.69	18.18
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	1.12	0	1.56	0	9.09
Number of useable cases:	89	25	64	78	11
Respondent Behavior					
Adequate answer	85.00	86.96	84.21	83.33	100
Qualified answer	6.25	0	8.77	6.94	0
Inadequate answer	3.75	4.35	3.51	4.17	0
Interruption	5.00	8.70	3.51	5.56	0
Clarification	0	0	0	0	0
Don't know	7.50	4.35	8.77	8.33	0
Refusal	0	0	0	0	0
Number of useable cases:	80	23	57	72	8

Question Q23bar: Concerning smoking in the following places, DO YOU THINK that it should be allowed without restriction, should be permitted only in designated areas or not be allowed at all in bars or cocktail lounges?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	85.03	84.78	85.15	91.94	47.83
Slight change in wording	7.48	6.52	7.92	7.26	8.70
Major change in wording	5.44	4.35	5.94	0.81	30.43
Answer verified correctly	0.68	2.17	0	0	4.35
Answer verified incorrectly or not at all	1.36	2.17	0.99	0	8.70
Number of useable cases:	147	46	101	124	23
Respondent Behavior					
Adequate answer	79.56	79.55	79.57	80.49	71.43
Qualified answer	2.19	0	3.23	1.63	7.14
Inadequate answer	29.93	34.09	27.96	31.71	14.29
Interruption	0	0	0	0	0
Clarification	2.19	4.55	1.08	2.44	0
Don't know	5.84	6.82	5.38	5.69	7.14
Refusal	0	0	0	0	0
Number of useable cases:	137	44	93	123	14

Question Q23hosp: Concerning smoking in the following places, DO YOU THINK that it should be allowed without restriction, should be permitted only in designated areas or not be allowed at all in hospitals?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	80.54	85.11	78.43	84.13	60.87
Slight change in wording	12.75	8.51	14.71	14.29	4.35
Major change in wording	5.37	4.26	5.88	1.59	26.09
Answer verified correctly	0.67	2.13	0	0	4.35
Answer verified incorrectly or not at all	0.67	0	0.98	0	4.35
Number of useable cases:	149	47	102	126	23
Respondent Behavior					
Adequate answer	83.21	75.56	86.96	83.61	80.00
Qualified answer	2.92	2.22	3.26	2.46	6.67
Inadequate answer	16.79	24.44	13.04	17.21	13.33
Interruption	0	0	0	0	0
Clarification	0.73	2.22	0	0.82	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	137	45	92	122	15

Question Q23mall: Concerning smoking in the following places, DO YOU THINK that it should be allowed without restriction, should be permitted only in designated areas or not allowed at all in indoor shopping malls?

Number of Interviews in which the question was asked: 149

| | TOTAL | MODE of INTERVIEW | | TYPE of RESPONDENT | |
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	89.26	89.36	89.22	95.24	56.52
Slight change in wording	2.01	0	2.94	2.38	0
Major change in wording	6.04	6.38	5.88	1.59	30.43
Answer verified correctly	0.67	2.13	0	0	4.35
Answer verified incorrectly or not at all	2.01	2.13	1.96	0.79	8.70
Number of useable cases:	149	47	102	126	23
Respondent Behavior					
Adequate answer	80.74	76.74	82.61	80.99	78.57
Qualified answer	1.48	0	2.17	0.83	7.14
Inadequate answer	22.96	27.91	20.65	23.97	14.29
Interruption	0	0	0	0	0
Clarification	1.48	0	2.17	1.65	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	135	43	92	121	14

Question Q23rest: Concerning smoking in the following places. DO YOU THINK that it should be allowed without restriction, should be permitted only in designated areas or not be allowed at all in restaurants?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	44.59	46.81	43.56	48.41	22.73
Slight change in wording	47.97	48.94	47.52	50.00	36.36
Major change in wording	6.76	4.26	7.92	1.59	36.36
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0.68	0	0.99	0	4.55
Number of useable cases:	148	47	101	126	22
Respondent Behavior					
Adequate answer	95.65	95.56	95.70	95.97	92.86
Qualified answer	0.72	0	1.08	0	7.14
Inadequate answer	8.70	11.11	7.53	9.68	0
Interruption	5.07	6.67	4.30	4.03	14.29
Clarification	4.35	4.44	4.30	4.03	7.14
Don't know	1.45	4.44	0	1.61	0
Refusal	0	0	0	0	0
Number of useable cases:	138	45	93	124	14

Question Q23sprt: Concerning smoking in the following places. DO YOU THINK that it should be allowed without restricition, should be permitted only in designated areas or not be allowed at all in indoor sporting events?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	83.89	89.36	81.37	88.89	56.52
Slight change in wording	6.71	2.13	8.82	7.94	0
Major change in wording	6.71	4.26	7.84	2.38	30.43
Answer verified correctly	0.67	2.13	0	0	4.35
Answer verified incorrectly or not at all	2.01	2.13	1.96	0.79	8.70
Number of useable cases:	149	47	102	126	23
Respondent Behavior					
Adequate answer	83.46	72.09	88.89	82.35	92.86
Qualified answer	0.75	0	1.11	0.84	0
Inadequate answer	22.56	32.56	17.78	23.53	14.29
Interruption	0.75	0	1.11	0	7.14
Clarification	3.76	0	5.56	4.20	0
Don't know	0.75	0	1.11	0.84	0
Refusal	0	0	0	0	0
Number of useable cases:	133	43	90	119	14

Question Q23trn: Concerning smoking in the following places. DO YOU THINK that it should be allowed without restricition, should be permitted only in designated areas or not be allowed at all on trains?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW IN		TYPE of RESPONDENT	
		Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	82.19	84.44	81.19	88.62	47.83
Slight change in wording	8.22	2.22	10.89	8.13	8.70
Major change in wording	6.16	6.67	5.94	1.63	30.43
Answer verified correctly	0.68	2.22	0	0	4.35
Answer verified incorrectly or not at all	2.74	4.44	1.98	1.63	8.70
Number of useable cases:	146	45	101	123	23
Respondent Behavior					
Adequate answer	79.70	72.50	82.80	78.99	85.71
Qualified answer	0.75	0	1.08	0.84	0
Inadequate answer	21.05	27.50	18.28	21.85	14.29
Interruption	0	0	0	0	0
Clarification	3.76	5.00	3.23	4.20	0
Don't know	0.75	0	1.08	0.84	0
Refusal	0	0	0	0	0
Number of useable cases:	133	40	93	119	14

Question Q23work: Concerning smoking in the following places. DO YOU THINK that it should be allowed without restricition, should be permitted only in designated areas or not be allowed at all indoor work areas?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	85.81	84.78	86.27	91.20	56.52
Slight change in wording	5.41	6.52	4.90	6.40	0
Major change in wording	6.76	4.35	7.84	2.40	30.43
Answer verified correctly	0.68	2.17	0	0	4.35
Answer verified incorrectly or not at all	1.35	2.17	0.98	0	8.70
Number of useable cases:	148	46	102	125	23
Respondent Behavior					
Adequate answer	86.76	81.82	89.13	86.89	85.71
Qualified answer	0.74	0	1.09	0	7.14
Inadequate answer	16.91	22.73	14.13	17.21	14.29
Interruption	0.	0	0	0	0
Clarification	3.68	6.82	2.17	4.10	0
Don't know	0.	0	0	0	0
Refusal	0	0	0	0	00
Number of useable cases:	136	44	92	122	14

Question Q24: What statement best describes the rules about smoking in your home?

Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	68.24	63.83	70.30	76.80	21.74
Slight change in wording	12.16	17.02	9.90	11.20	17.39
Major change in wording	17.57	17.02	17.82	11.20	52.17
Answer verified correctly	0.68	2.13	0	0.80	0
Answer verified incorrectly or not at all	1.35	0	1.98	0	8.70
Number of useable cases:	148	47	101	125	23
Respondent Behavior					
Adequate answer	92.56	94.87	91.46	91.96	100
Qualified answer	1.65	2.56	1.22	1.79	0
Inadequate answer	15.70	17.95	14.63	16.96	0
Interruption	1.65	2.56	1.22	0.89	11.11
Clarification	3.31	5.13	2.44	3.57	0
Don't know	0	0	0	0	0
Refusal	0	0	0	0	0
Number of useable cases:	121	39	82	112	9

Question Q25: Do you think smoking is a habit, an addiction, neither, or both?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	83.22	93.62	78.43	90.48	43.48
Slight change in wording	10.74	4.26	13.73	8.73	21.74
Major change in wording	5.37	2.13	6.86	0.79	30.43
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0.67	0	0.98	0	4.35
Number of useable cases:	149	47	102	126	23
Respondent Behavior					
Adequate answer	93.53	91.30	94.62	95.16	80.00
Qualified answer	1.44	2.17	1.08	0.81	6.67
Inadequate answer	4.32	4.35	4.30	4.03	6.67
Interruption	3.60	2.17	4.30	4.03	0
Clarification	3.60	2.17	4.30	4.03	0
Don't know	1.44	2.17	1.08	0.81	6.67
Refusal	0	0	0	0	0
Number of useable cases:	139	46	93	124	15

Question Q26: Do you think laws restricting the sale of tobacco products to minors have been adequately enforced?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE of INTERVIEW		TYPE of RESPONDENT	
		In Person	Phone	Self	Proxy
Interviewer Behavior					
Question read as worded	81.88	80.85	82.35	88.89	43.48
Slight change in wording	10.74	17.02	7.84	9.52	17.39
Major change in wording	6.71	2.13	8.82	1.59	34.78
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0.67	0	0.98	0	4.35
Number of useable cases:	149	47	102	126	23
Respondent Behavior					
Adequate answer	80.88	80.00	81.32	81.97	71.43
Qualified answer	5.15	4.44	5.49	4.92	7.14
Inadequate answer	3.68	2.22	4.40	3.28	7.14
Interruption	0	0	0	0	0
Clarification	6.62	13.33	3.30	7.38	0
Don't know	13.24	15.56	12.09	12.30	21.43
Refusal	0	0	0	0	0
Number of useable cases:	136	45	91	122	14

Question Q27: Do you think that tobacco companies should be allowed to give away free samples with no restrictions, with some restrictions, or not allowed at all?

Number of Interviews in which the question was asked: 149

	TOTAL	MODE OF INTERVIEW In Person	Phone	TYPE OF RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	68.71	71.74	67.33	74.19	39.13
Slight change in wording	19.05	17.39	19.80	19.35	17.39
Major change in wording	11.56	10.87	11.88	6.45	39.13
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0.68	0	0.99	0	4.35
Number of useable cases:	147	46	101	124	23
Respondent Behavior					
Adequate answer	93.75	88.10	96.51	93.91	92.31
Qualified answer	1.56	4.76	0	0.87	7.69
Inadequate answer	7.03	11.90	4.65	7.83	0
Interruption	10.94	14.29	9.30	9.57	23.08
Clarification	2.34	2.38	2.33	2.61	0
Don't know	0.78	0	1.16	0.87	0
Refusal	0	0	0	0	0
Number of useable cases:	128	42	86	115	13

Question Q28: Do you think advertising of tobacco products should be allowed with no restrictions, with some restrictions, or not allowed at all?

Number of Interviews in which the question was asked: 148

	TOTAL	MODE of INTERVIEW In Person	Phone	TYPE of RESPONDENT Self	Proxy
Interviewer Behavior					
Question read as worded	73.47	80.43	70.30	81.45	30.43
Slight change in wording	16.33	10.87	18.81	15.32	21.74
Major change in wording	9.52	8.70	9.90	3.23	43.48
Answer verified correctly	0	0	0	0	0
Answer verified incorrectly or not at all	0.68	0	0.99	0	4.35
Number of useable cases:	147	46	101	124	23
Respondent Behavior					
Adequate answer	93.89	92.86	94.38	94.96	83.33
Qualified answer	3.05	2.38	3.37	1.68	16.67
Inadequate answer	6.11	7.14	5.62	6.72	0
Interruption	3.82	0	5.62	2.52	16.67
Clarification	3.82	9.52	1.12	4.20	0
Don't know	0.76	2.38	0	0.84	0
Refusal	0	0	0	0	0
Number of useable cases:	131	42	89	119	12