

# Instrumentation Protocol Changes

The 2015 National Survey on Drug Use and Health (NSDUH) instrumentation protocols underwent several modifications from the protocols employed for the 2014 NSDUH. A summary of the changes for the 2015 NSDUH can be divided into three topics: (1) the computer-assisted interviewing (CAI) tablet screening instrument, (2) the CAI questionnaire, and (3) the interviewer materials.

## 1. Screening Instrument

Using the 2014 Screening Application as a base, questions, response options, and informed consent wording were modified for the 2015 Screening Application. Listed below are the Screening Application changes for 2015:

- As necessary, dates were updated in the screening program.
- As necessary, specification updates were made to reflect current tablet screening programming and format.
- Response options in the Spanish-language screener have been translated into Spanish.
- In the Study Introduction, "Research Triangle Institute" has been replaced with "RTI International," and "U.S. Public Health Service" has been replaced with "U.S. Department of Health and Human Services."
- All ePTE data screens were removed.
- Field Interviewer (FI) Debriefing Questions were moved from the CAI Questionnaire to the screening tablet, to be administered after leaving the household. They are now documented as "Section 9, FI Debriefing Questions," within the NSDUH Screening Specifications document.

## 2. CAI Questionnaire

Using the 2014 CAI Questionnaire as a base, questions and routing were modified for the 2015 CAI Questionnaire. Listed below are the CAI Questionnaire changes for 2015:

### *Introduction*

- The CAI instrument version, Office of Management and Budget (OMB) control number, and OMB expiration date were updated in the Introduction section.
- The OMB control number was also updated in the Public Reporting Burden statement.
- The LANG screen's interviewer instruction was changed to include "for this interview" as opposed to "in this interview." Additionally, the third response option of Multimedia Language was deleted because it is not used.

## ***Core Demographics***

- The QD01 introductory phrase, "The next few questions are for statistical purposes only," was moved to QD03 because QD01 is no longer read to respondents.
- The closing sentence in QD05 was changed from "Just give me a number" to "Just give me the number."
- The questions about marital status, QD07 and QD08, were moved from the interviewer-administered Core Demographics section to the back-end Audio Computer-Assisted Interviewing (ACASI)-administered Education module.
- Wording in QD10 was changed. The phrase "are you" was added before the clause on being in a Reserve component, and "or now separated or retired from either reserves or active duty" was changed to "or are you now separated or retired from the military?" The third response option for this question was revised to agree with the change to the question text.
- MILTERM1 wording was revised to say "Is this correct?" instead of "Is that correct?"
- Logic was added to QD10a (ever served on active duty) to route respondents into the question if they answer "don't know" or "refused" to QD09 (ever been in the US Armed Forces).
- The variable name for QD10b was changed to QD10b1. The response options, which reflect periods of times that one may have served such as "VIETNAM ERA (MARCH 1961 to APRIL 1975)" were edited to be in ALL CAPS, indicating that the interviewer should not read them out loud to respondents but instead select the response that best matches the respondent's answer.
- The educational attainment categories in QD11 were revised from 17 categories to 20 categories. The closing sentence was changed from "Please tell me the number from the card" to "Just give me the number from the card."

## ***Beginning ACASI Section***

- The capability to use F7 to turn off the computer voice was disabled. Therefore, the instruction in IntroACASI1 regarding this was deleted.
- IntroACASI0 was deleted because external showcards are no longer administered during the ACASI modules.
- The word "Lastly" was deleted from the beginning of IntroACASI2, and an introductory sentence was added to this item to standardize the interviewers' introduction of the headphones to the respondent.
- Wording in INTRO2 was updated from "turn off the voice" to "turn down the voice" so as to account for the removal of the F7 function.

- A label was added to GOTDOG and similar tutorial items identifying these items as practice questions so as to minimize the level at which respondents may confuse them with interview questions.
- The tutorial instruction STOPLIST, which instructed respondents that selecting an answer would stop the computer from reading the response options, was deleted because selecting an answer no longer disrupts reading of the response options.
- Tutorial items DOAGAIN and BACKUP were combined into the BACKUP item.
- PLAYINFO was added to the tutorial to instruct respondents on how to use the F2 function key to access additional information about a question. This will help respondents with questions in the Prescription Drug modules and the back-end demographics.

### ***Calendar***

- The Calendar section was moved to follow the Introduction to ACASI. This section is now ACASI administered and describes the electronic calendars. The interviewer no longer fills out a paper calendar.

### ***Tobacco***

- The hard error text following CG04c and other similar questions throughout the Tobacco module was edited to display in ALL CAPS if respondents enter a month in the current year that has not yet occurred.
- Electronic calendars were added to CG05 and other questions in the Tobacco module that include 30-day and 12-month reference periods.
- Questions about chewing tobacco and snuff were combined into CG25 to ask about smokeless tobacco as a whole. "Snus" was added to this item as a substance of interest.
- All questions about chewing tobacco and snuff brands (and related consistency check questions) were deleted.
- Questions only pertaining to chewing tobacco were deleted.
- Cigar brand "Macanudos" was changed to "Macanudo" in CG39, RCG39, and RRCG39 for accuracy.

### ***Alcohol***

- Logic defining the BINGEFLAG variable was updated. The flag is now triggered when females report drinking 4 or more drinks on the same occasion in the past 30 days or males report drinking 5 or more drinks on the same occasion in the past 30 days.
- The routing logic for ALCC30, which asks about binge drinking in the past 30 days for respondents who gave inconsistent responses, was updated to exclude respondents who answered "don't know" or "refuse" to the following consistency check questions: ALCC29a and ALCC29b.

- Logic was added to AL08 (how many days in the past 30 days did the respondent drink x number of drinks on the same occasion) and associated consistency check questions in the Alcohol module to fill in the number of drinks specified as "binge drinking" based on gender.

### ***Hallucinogens***

- The term "Molly" was added to questions about Ecstasy and MDMA throughout the Hallucinogens section.
- Ketamine, DMT, AMT, Foxy, and *Salvia divinorum* were added to the list of hallucinogens of interest in HALINTRO.
- LS01i was created by moving the question about lifetime use of ketamine from Special Drugs to Hallucinogens.
- LS01j was created by moving the question about lifetime use of DMT, AMT, and Foxy from the Special Drugs module to the Hallucinogens module.
- LS01k was created by moving the question about lifetime use of *Salvia divinorum* from the Special Drugs module to the Hallucinogens module.
- Logic for LSFILL was updated based on new question numbering and new questions in the Hallucinogens module.
- Logic was added to LS02, LSLAST, LS05, LS10, LS11, LS16, LS17, and LS22 to account for questions that were moved from the Special Drugs module to the Hallucinogens module.
- LS33 was created by moving the ketamine recency question from the Special Drugs module to the Hallucinogens module.
- LS34 was created by moving the recency question for DMT, AMT, and Foxy from the Special Drugs module to the Hallucinogens module.
- LS35 was created by moving the *Salvia divinorum* recency question from the Special Drugs module to the Hallucinogens module.

### ***Inhalants***

- Felt-tip pens, felt-tip markers, and magic markers and computer keyboard cleaner, also known as "air duster," were added to the list of inhalants of interest in INHINTRO.
- In01h1 was added to ask about lifetime use of felt-tip pens or felt-tip markers.
- In01ii was added to ask about lifetime use of computer keyboard cleaner.
- New logic was added to INREF, IN02, and INLAST to account for the two new inhalants.

### ***Methamphetamine (New Module)***

- A new module that measures methamphetamine use was added. This module includes definitions of methamphetamine and crystal meth, measures of lifetime use, age at first use, recency, and past year frequency. The module is modeled after the Cocaine module.

### ***Prescription Drug Modules—Overall***

- The four Prescription Drug modules (Pain Relievers, Tranquilizers, Stimulants, and Sedatives) that were previously included in the NSDUH have been completely revised.
- The four prescription drug categories (Pain Relievers, Tranquilizers, Stimulants, and Sedatives) have been broken out into four screeners and four "main modules." The screeners measure any past year use of specific prescription drugs, grouped by active ingredient. Any lifetime use of prescription drugs in an overall category (e.g., pain relievers) also is measured. The "main modules" include a revised definition of misuse of prescription drugs, defined as use "in any way **a doctor did not direct you to use it/them.**" Examples include "Using it without a prescription of your own, using it in greater amounts, more often, or longer than you were told to take it, or using it in **any other way** a doctor did not direct you to use it/them."
- The number of prescription drugs in these modules has been expanded to include newer drugs, and prescription drugs that are no longer available in the United States have been dropped.
- Electronic on-screen drug images were added to replace the hard copy pill cards.
- For each drug that was used in the past 12 months, questions are now asked to determine if they were misused according to the revised criteria.
- Age at first misuse and month and year of first misuse (if applicable) are asked for each drug that was misused in the past 12 months. A follow-up question is administered to respondents who reported only past year first misuse to determine whether they misused other prescription drugs in that category less recently.
- Past year misuse of "other" prescription drugs in a category is measured, but only if respondents report any past year use of "other" drugs in that category. Respondents can specify the names of up to five other drugs that they misused, but they cannot hit "ENTER" to the first "write-in" question without typing something or answering the question as "don't know" or "refused."
- Lifetime misuse of prescription drugs is measured but only through single follow-up questions for the entire category if (a) respondents reported using any prescription drugs in a given category in their lifetime but not in the past 12 months; or (b) respondents reported past year use but no misuse. These follow-up questions do not provide examples of specific prescription drugs in that category.
- Recency questions for prescription drug misuse have been deleted. Instead, respondents are asked about misuse of specific prescription drugs in the past 12 months, misuse of any drug in the overall category in the past 30 days (if they misused any specific prescription drugs in the past 12 months), or lifetime misuse (if they did not misuse prescription drugs in the past 12 months). Respondents who report that they initiated misuse of specific prescription drugs in the past 30 days are skipped out of the question about misuse in past 30 days because this has already been determined from their report of past month initiation.

- The prescription drug 12-month frequency questions have been replaced with questions about the frequency of misuse in the past 30 days, including a question with a continuous range and a follow-up categorical question if respondents do not know or refuse to report an exact number of days.

### ***Pain Relievers Screener***

- A new module that measures any past year use of prescription pain relievers, grouped by active ingredient, was added. Any lifetime use of prescription pain relievers is also measured in this new screener.
- An instruction was added to INTROPR to let respondents know how to answer questions if they have not used any of the pain relievers asked about.
- The following pain relievers were removed from the survey: Lorcet, Tylox, Darvocet, Darvon, propoxyphene (generic), Fioricet, Fiorinal, Phenaphen with codeine, propoxyphene, SK-65, Stadol, Talacen, Talwin, and Talwin NX.
- The order of the remaining prescription pain relievers asked about was revised.
- New pain relievers were added: Norco and Zohydro (ER) (PR01); Roxicet, Roxicodone (PR03); Ultram ER, extended-release tramadol (generic) (PR04); Avinza, Kadian, MS Contin, extended-release morphine (generic) (PR06); Actiq, Duragesic, Fentora, and fentanyl (generic) (PR07); Suboxone, buprenorphine (generic) (PR08), Opana, Opana ER, oxymorphone (generic), extended-release oxymorphone (generic) (PR09); and Exalgo or extended-release hydromorphone (PR10).
- Several pain reliever names were modified: "hydrocodone" was revised to "hydrocodone (generic)" (PR01), "tramadol" was revised to "tramadol (generic)" (PR04); "Tylenol with codeine" was revised to "Tylenol with codeine 3 or 4" and "codeine" was revised to "codeine pills (generic)" (PR05); "morphine" was revised to "morphine (generic)" (PR06); and "Dilaudid" was revised to "Dilaudid or hydromorphone" (PR10).
- The survey no longer asks about how many days in the past 12 months prescription pain relievers were used.

### ***Tranquilizers Screener***

- A new module that measures any past year use of prescription tranquilizers, grouped by active ingredient, was added. Any lifetime use of prescription tranquilizers is also measured in this new screener.
- An instruction was added to INTROTR to let respondents know how to answer questions if they have not used any of the tranquilizers asked about in the survey.
- The following tranquilizers were removed from the survey: Librium, Limbitrol, Rohypnol, Serax, and Traxene.
- The order of the remaining tranquilizers asked about was revised.
- New tranquilizers were added: Xanax XR, extended-release alprazolam (TR01).

- Several tranquilizer names were modified: "alprazolam" was revised to "alprazolam (generic)" (TR01); "lorazepam" was revised to "lorazepam (generic)," "clonazepam" was revised to "clonazepam (generic)" (TR02); "diazepam" was revised to "diazepam (generic)" (TR03); "Flexeril" was revised to "cyclobenzaprine (generic), also known as Flexeril" (TR04); "BuSpar" was revised to "buspirone (generic), also known as BuSpar," "Atarax" and "Vistaril" were replaced with "hydroxyzine (generic), also known as Atarax or Vistaril," "meprobamate," "Equanil," and "Miltown" were replaced with "meprobamate (generic), also known as Equanil or Miltown" (TR05).
- The survey no longer asks about how many days in the past 12 months prescription tranquilizers were used.

### ***Stimulants Screener***

- A new module that measures any past year use of prescription stimulants, grouped by active ingredient, was added. Any lifetime use of prescription stimulants is also measured in this new screener.
- An instruction was added to INTROST to let respondents know how to answer questions if they have not used any of the stimulants asked about. Additionally, the instruction in INTROST for respondents not to include over-the-counter stimulants such as Dexatrim or No-Doz was revised to include Hydroxycut and 5-Hour Energy as well.
- Questions about methamphetamine were moved from the Stimulants module to a new module that asks about methamphetamine use.
- The following stimulants were removed from the survey: Desoxyn, Methedrine, amphetamines, Benzedrine, biphetamine, Fastin, Cylert, Eskatrol, Ionamin, Mazanor, Obedrin-L.A., Plegine, Preludin, and Sanorex.
- The order of the remaining stimulants asked about was revised.
- Stimulants were moved from the Special Drugs module to the Stimulants module: Adderall and Adderall XR (ST01).
- New stimulants were added: mixed amphetamine-dextroamphetamine pills other than Adderall (generic) and extended-release amphetamine-dextroamphetamine pills other than Adderall XR (generic) (ST02); Ritalin SR or Ritalin LA, Concerta, and Daytrana (ST03); Metadate CD, Metadate ER, and extended-release methylphenidate (generic) (ST04); Focalin, Focalin XR, dexmethylphenidate (generic), and extended-release dexmethylphenidate (generic) (ST05); benzphetamine, diethylpropion, and phendimetrazine (ST06); and Provigil and Vyvanse (ST07).
- A couple of stimulant names were modified: "dextroamphetamine" was revised to "dextroamphetamine (generic)" (PR02), and "methylphenidate" was revised to "methylphenidate (generic)" (PR04). The survey no longer asks about how many days in the past 12 months prescription stimulants were used.

### ***Sedatives Screener***

- A new module that measures any past year use of prescription sedatives, grouped by active ingredient, was added. Any lifetime use of prescription sedatives also is measured in this new screener.
- An instruction was added to INTROSV to let respondents know how to answer questions if they have not used any of the sedatives asked about.
- The following sedatives were removed from the survey: methaqualone, Sopor, Quaalude, Nembutal, pentobarbital, secobarbital, Butalbital, Amytal, chloral hydrate, Placidyl, and Tuinal.
- The order of the remaining sedatives was revised.
- Sedatives were moved from the Special Drugs module to the Sedatives module: Ambien and Ambien CR (SV01).
- New sedatives were added: zolpidem (generic) and extended-release zolpidem (generic) (SV01), Lunesta or eszopiclone and Sonata or zaleplon (SV02), and triazolam (generic) (SV03).
- Several sedative names were revised: "Dalmane" was revised to "flurazepam (generic), also known as Dalmane," "temazepam" was revised to "temazepam (generic)" (SV03); "phenobarbital" was revised to "phenobarbital (generic)" (SV04).
- The survey no longer asks about how many days in the past 12 months prescription sedatives were used.

### ***Pain Relievers Main Module***

- Logic and routing were updated throughout the module to reflect (a) renaming of screener questions for past year use of "any other" pain reliever (PRANYOTH) and lifetime use of any pain reliever (PRLANY); (b) sequential renumbering of questions for "named" pain relievers due to deletions and additions; and (c) renaming of questions for "decomposition," last pain reliever misused, source of last pain reliever that was misused, and friends' or relatives' source of the last pain reliever misused.
- Programmer notes were updated with the correct format of the new pain reliever names throughout the module.
- The logic to define OTHERPRFLAG was deleted because this variable is not defined in the CAI program.
- New questions were added to ask respondents about the misuse and initiation of misuse of new pain relievers (see "Pain Relievers Screener" above).
- PRM03, which asks about the combination of pain reliever misuse and alcohol use in the past 30 days, was moved to this module from the Consumption of Alcohol module.
- PRYWAVS was added to measure individual ways of pain reliever misuse for respondents who reported misuse in the past 12 months.

- PRYLAST was added to ask respondents to report the last pain reliever they misused if they misused (or potentially misused) more than one pain reliever in the past 12 months.
- PRYMOTIV through PRYMOT1 were added to ask respondents about motivations for misusing the last pain reliever that they misused.
- PRYGOT through PRYFRLSP were created by moving questions about how respondents obtained pain relievers or how friends or relatives obtained them (if respondents reported that they last got the pain reliever they misused from a friend or relative for free) from the Prior Substance Use module. These questions also have been modified to collect the source of the last pain reliever that respondents misused. Response options have been deleted for writing fake prescriptions and for buying the drugs on the Internet.

### ***Tranquilizers Main Module***

- Logic and routing were updated throughout the module to reflect (a) renaming of screener questions for past year use of "any other" tranquilizer (TRANYOTH) and lifetime use of any tranquilizer (TRLANY); (b) sequential renumbering of questions for "named" tranquilizers due to deletions and additions; and (c) renaming of questions for "decomposition," last tranquilizer misused, source of last tranquilizer that was misused, and friends' or relatives' source of the last tranquilizer that respondents misused.
- Programmer notes were updated with the correct format of tranquilizer names throughout the module.
- The logic to define OTHERTRFLAG was deleted because it is not defined within the CAI program.
- TRM03, which asks about the combination of tranquilizer misuse and alcohol use in the past 30 days was moved to this module from the Consumption of Alcohol module.
- TRYWAYS was added to measure individual ways of tranquilizer misuse for respondents who report misuse in the past 12 months.
- TRYLAST was added to ask respondents to report the last tranquilizer they misused if they misused (or potentially misused) more than one tranquilizer in the past 12 months.
- TRY MOTIV through TRY MOT1 were added to ask respondents about motivations for misusing the last tranquilizer that they misused.
- TRY GOT through TRY FRLSP were created by moving questions about how respondents obtained tranquilizers or how friends or relatives obtained them (if respondents reported that they last got the tranquilizer they misused from a friend or relative for free) from the Prior Substance Use module. These questions also have been modified to collect the source of the last tranquilizer that respondents misused. Response options have been deleted for writing fake prescriptions and for buying the drugs on the Internet.

### ***Stimulants Main Module***

- Logic and routing were updated throughout the module to reflect (a) renaming of screener questions for past year use of "any other" stimulant (STANYOTH) and lifetime use of any stimulant (STLANY); (b) sequential renumbering of questions for "named" stimulants due to deletions and additions; and (c) renaming of questions for "decomposition," last stimulant misused, source of last stimulant that was misused, and friends' or relatives' source of the last stimulant that respondents misused.
- The specification to define OTHERSTFLAG was deleted because it is not defined within the CAI program.
- Programmer notes were updated with correct format of new stimulant names throughout the module.
- STM03, which asks about the combination of stimulant misuse and alcohol use in the past 30 days, was moved to this module from the Consumption of Alcohol module.
- STYWAYS was added to measure individual ways of stimulant misuse for respondents who report misuse in the past 12 months.
- STYNDL and STYNDL30 were created by moving the questions about use of a needle to inject prescription stimulants in the past 12 months or past 30 days from the Special Drugs module.
- STYLAST was added to ask respondents to report the last stimulant they misused if they misused (or potentially misused) more than one stimulant in the past 12 months.
- STYMOTIV through STYMOT1 were added to ask respondents about motivations for misusing the last stimulant that they misused.
- STYGOT through STYFRLSP were created by moving questions about how respondents obtained stimulants or how friends or relatives obtained them (if respondents reported that they last got the stimulants they misused from a friend or relative for free) from the Prior Substance Use module. These questions also have been modified to collect the source of the last stimulant that respondents misused. Response options have been deleted for writing fake prescriptions and for buying the drugs on the Internet.

### ***Sedatives Main Module***

- Logic and routing were updated throughout the module to reflect (a) renaming of screener questions for past year use of "any other" sedative and lifetime use of any sedative; (b) sequential renumbering of questions for "named" sedatives due to deletions and additions; and (c) renaming of questions for "decomposition," last sedative misused, source of last sedative that was misused, and friends' or relatives' source of the last sedative that respondents misused.
- The specification to define OTHERSVFLAG was deleted because it is not defined within the CAI program.

- Programmer notes were updated with the correct format of new sedatives names throughout the module.
- SVM03, which asks about the combination of sedative misuse and alcohol use in the past 30 days, was moved to this module from the Consumption of Alcohol module.
- SVYWAYS was added to measure individual ways of sedative misuse for respondents who report misuse in the past 12 months.
- SVYLAST was added to ask respondents to report the last sedative they misused if they misused (or potentially misused) more than one sedative in the past 12 months.
- SVYMOTIV through SVYMOT1 were added to ask respondents about motivations for misusing the last sedative that they misused.
- SVYGOT through SVYFRLSP were created by moving questions about how respondents obtained sedatives or how friends or relatives obtained them (if respondents reported that they last got the sedative they misused from a friend or relative for free) from the Prior Substance Use module. These questions also have been modified to collect the source of the last sedative that respondents misused. Response options have been deleted for writing fake prescriptions and for buying the drugs on the Internet.

### ***Special Drugs***

- SD01, SD02, and SD02a-e were created by moving questions about lifetime use and recency of use of non-prescription cough and cold medicine to the beginning of the module.
- SD03 and SD04 were created by moving questions about lifetime use and recency of GHB to follow the cough and cold medicine questions.
- Logic for INTROSD was revised so that it is only seen by respondents who used cocaine, crack, heroin, or methamphetamine in the past 12 months.
- SD05 and SD06 were created by moving questions about use of a needle to inject cocaine to come before questions about smoking, sniffing, and injecting heroin.
- Questions that asked about using a needle to inject stimulants and how long it had been since using a needle to inject stimulants, respectively, were moved to the Stimulants module (STYNDL, STYNDL30).
- The phrase "Desoxyn or Methedrine" was removed from SD13 and SD14 for consistency with the wording in the new Methamphetamine module.
- Logic in the SD15 series was updated to account for questions related to needle use, including the stimulants needle use question that was moved to the Stimulants module and also needle use questions that were moved within the Special Drugs module.
- SD16 was added to ask respondents about their most recent use of a needle to inject a drug.

- Wording fills were added to SD17 for respondents who reported use of only one drug with a needle. An introduction was also added to this item to remind respondents to think about their use of a needle to inject stimulants they may have reported in the Stimulants module (if applicable).
- Logic for SD17-SD21 was updated to account for changes to preceding questions about needle use to inject drugs.
- Questions about methamphetamine use were moved to create the new Methamphetamine module (ME01, ME02, ME03a-d, MELAST3, MEFRAME3, MEYRAVE, MEMONAVE, MEWKAVE).
- Questions about Adderall and Ambien were moved to the Stimulants and Sedatives modules (ST01, SV01).
- Questions about ketamine, DMT, AMT, Foxy, and *Salvia divinorum* were moved to the Hallucinogens module (LS01i-LS01k, LS33, LS34, LS35).

### ***Blunts***

- Logic in MJMM01 was revised so that it is also asked if respondents indicated smoking marijuana in a cigar (blunt use) in the past 12 months.

### ***Definitions for Use in the Drugs Module***

- Variable definitions were updated in the Definitions for Use in the Drugs module to account for the new Methamphetamine module; movement of hallucinogen questions from the Special Drugs module to the Hallucinogens module; updated numbering in the Special Drugs module for cocaine, heroin, and methamphetamine needle use questions; and changes to the Prescription Drug modules.

### ***Substance Dependence and Abuse***

- The logic for INTRODR was updated to include the new Methamphetamine module.
- "Molly" was added to the list of examples of hallucinogens in DRLS.
- The DRME series of questions about methamphetamine dependence and abuse was added. These questions were modeled after the cocaine dependence and abuse items.
- The wording in DRPR, DRTR, DRST, and DRSV was edited to reflect the revised definition for misuse and to include the prescription drugs that the respondent reported as misused in the main Prescription Drug modules.
- The routing logic in DRST was revised to remove past year use of methamphetamine in administering the stimulant dependence and abuse questions.
- Question wording in DRSV11 and DRSV12 was revised to ask if the respondent had two or more symptoms of withdrawal as opposed to one symptom, which aligns more accurately with the *Diagnostic and Statistical Manual of Mental Disorders*, 4th edition, criteria.

### ***Market Information for Marijuana***

- The Market Information for Marijuana module has been deleted.

### ***Special Topics***

- The closing sentence in SP03r was changed from "Is that correct?" to "Is this correct?"
- The logic in SP06a and SP06c was edited to include the newly created MET12MON.

### ***Prior Substance Use***

- Question wording in the LU05 series was changed to refer to smokeless tobacco as opposed to snuff to account for changes in the Tobacco module.
- The question series pertaining to last use of chewing tobacco was deleted.
- "Molly" was added to questions in the LU15 series about Ecstasy.
- Logic in the LU17 question series was revised to reflect the addition of the new Methamphetamine module.
- Questions about age of last misuse of prescription drugs and methamphetamine were deleted.
- Questions about the source of methamphetamine were deleted.
- Questions about the sequence of initiation ("which came first?") for cigarettes, alcohol, and marijuana were deleted.
- Questions about how respondents obtained prescription drugs they misused have been moved to the corresponding Prescription Drug modules (PRYGOT through PRYFRLSP, TRYGOT through TRYFRLSP, STYGOT through STYFRLSP, SVYGOT through SVYFRLSP).

### ***Drug Treatment***

- Logic was added to INTROTX to account for the new Methamphetamine module and to the revised Hallucinogens, Inhalants, and Prescription Drug modules.
- Logic in TX05 was revised to reflect the addition of the new Methamphetamine module, and "methamphetamine" was changed to lower case.
- "Methamphetamine" was added to TX10 as a response option, and subsequent response options were renumbered.
- Logic was added to TX15 and TX30 to account for hallucinogens that were moved from the Special Drugs module to the Hallucinogens module.
- Logic was added to TX16 and TX31 to include new inhalants.
- TX16a was added to ask respondents about the possible need for treatment or counseling for their use of methamphetamine.
- TX17-TX20 were updated to ask respondents about the possible need for treatment or counseling for their use of prescription drugs.

- TX31a was added to ask respondents about either last or current treatment for methamphetamine.
- Question logic for TX32-TX35 was updated to ask respondents about either last or current treatment for prescription drugs.
- Methamphetamine was added to the list of response options in TX37, and all subsequent response options were renumbered.
- Logic in TX45-TX48 and TX49a was updated to account for new and revised hallucinogens, inhalants, methamphetamine, and prescription drugs.

### ***Health***

- The height and weight questions were moved to follow the module's initial questions on pregnancy. These variables are now numbered HLTH04-HTH014 and will be the first questions in the module for females aged 45 or older and for all males.
- The questions on emergency room visits and overnight hospitalizations in the past 12 months were moved to follow the height and weight questions. These variables are now numbered HLTH16-HLTH18.
- Questions about specific health conditions in the lifetime period and the past 12 months, respectively, were deleted.
- With the deletion of the questions referenced in the previous bullet, questions about the number of outpatient visits in the past 12 months now follow the questions about emergency room visits and overnight hospitalizations.
- Logic for HLTH21 was edited to account for the changes made in the Tobacco module to the smokeless tobacco questions.
- Logic for HLTH23 was revised for past 12 month use of methamphetamine to reflect the addition of the new Methamphetamine module. Changes to HAL12MON that were described for the Definitions for Use in the Drugs module also apply to this question to reflect the movement of hallucinogens from the Special Drugs module to the Hallucinogens module.
- The list of lifetime health conditions was revised and renamed HLTH25.
- HLTH26-HLTH29 were added to ask respondents about types of cancer diagnoses, age at first diagnosis for each, and presence of cancer in the past year.
- HLTHOTHint-HLTH41 were added to capture age at first diagnosis of various health conditions and whether or not respondents still have those health conditions.

### ***Social Environment***

- The question about how often the respondent moved in the past 5 years was deleted.

### ***Parenting Experiences***

- Wording in PE02b was updated to account for the changes made in the Tobacco module to the smokeless tobacco questions.

### ***Youth Experiences***

- The question about how often the respondent moved in the past 5 years was deleted.

### ***Mental Health***

- Fills displayed in IMWEEK1 were specified, dependent on difficulties that respondents reported in the previous part of the module.

### ***Definitions for Use in Consumption of Alcohol***

- Definitions in this section pertaining to prescription drug use were removed because these definitions are now in their respective Prescription Drug modules.
- Logic was revised in HER30USE to refer to updated question numbers in the Special Drugs module about heroin use.
- Logic was revised in HAL30USE to refer to updated recency items for hallucinogens that were moved from the Special Drugs module to the Hallucinogens module.
- Logic in MTH30USE was revised to account for the new Methamphetamine module as well as for changes to the methamphetamine items in the Special Drugs module.
- Definitions for DRUGFILL were updated to reflect new variables and renumbered variables throughout all of the drug modules.

### ***Consumption of Alcohol***

- The first sentence in CAINTR was revised from "The next few questions return to the topic of alcohol" to "Next, we return to the topic of alcohol" because respondents may only receive one question about alcohol, depending on their responses.
- Logic in CA08 was edited to remove references to the prescription drug items.
- Questions about whether or not a respondent used alcohol along with prescription drugs have been moved to the corresponding Prescription Drug modules (PRM03, TRM03, STM03, SVM03).
- Logic was added to CA09 to include recent methamphetamine use based on the new Methamphetamine module, and references to the prescription drug items were removed. The new logic also reflects the changes to HAL30USE described previously.
- The CA10 and CA11 series about binge drinking use a new binge indicator that takes gender into account for question wording (5 or more for males and 4 or more for females). Questions asking about 4 or more drinks and age at first 4 or more drinking binge have been deleted because of this change.

### ***End of ACASI and Back-End Demographics***

- This is a new module created to account for movement of questions from computer-assisted personal interviewing (CAPI) to ACASI administration and for the addition of new items. In some cases, movement from CAPI to ACASI also involved transitioning notes formerly included for the interviewer to read to respondents into the question text.
- Logic in QD13 was deleted to reflect the deletion of the questions that asked about moving in the past 5 years.
- Logic was added to QD16a so that only those who report at least one move in the past 12 months are asked whether they have lived in the United States for at least 1 year.
- Logic was added to QD16b so that respondents not born in the United States and who also report not moving in the past year are asked how many years they have lived in the United States.
- Text in QD16c was edited to include the instruction to respondents to enter "0" if they have lived in the United States for less than 1 month. This was previously an interviewer instruction.
- QD62 and QD63 were added to ask all adult respondents about sexual orientation and sexual attraction.
- QD55-QD61 were added to ask respondents about language and disability.

### ***Education***

- The Education module was transitioned to ACASI from CAPI.
- After QD18, the hard error that was triggered if QD11 < QD18 was deleted. Consistency check questions were added that were triggered if (a) QD11 indicated that the respondent had a bachelor's degree but QD18 indicated current enrollment at a lower level of education, or (b) QD11 indicated receipt of a high school diploma or GED but QD11 indicated current enrollment in the 12th grade or lower. Consistency check QD18CC04 was added to allow respondents to change their highest level of education.
- Interviewer notes in QD20 and QD21 were moved to the question text to clarify definitions for reporting school absences.
- Questions about receipt of a high school diploma, receipt of a GED, reasons for leaving school without a high school diploma (including the "OTHER, Specify" item), and the age when respondents left school were deleted. Categories for receipt of a high school diploma or GED have been added to QD11.
- QD07 and QD08 were moved to the Education module from the CAPI front end of the instrument.
- QD10d-QD10f were added to ask respondents about family members in the military.

### ***Employment***

- The Employment module was transitioned to ACASI from CAPI.
- Questions related to Industry and Occupation were removed.
- Interviewer notes in QD26 and QD27 were moved to an F2 note that the respondent can access.
- The interviewer note in QD39a was moved to the question text, providing respondents with instruction on how to indicate that they have never worked for pay.
- Notes in QD40 and QD41 that were formerly in interviewer notes were added to the question text.
- The question about how many people work in the respondent's workplace was deleted.

### ***Household Roster***

- INTRODM2 was added to provide a transition from ACASI back to CAPI administration.
- Questions about whether relations are biological, step, adoptive, or foster were deleted.

### ***Proxy Information***

- In PROXYINT, the parentheses from the statement "This information will help in planning health care services and finding ways to lower costs of care," were removed so that it must be read by the interviewer.
- The response option number 10 in QP02 was revised to "Other Adult Relative" because only relatives are accepted as proxies.
- If the "Other Adult Relative" option is selected in QP02, the fills in Define Sample Member, Define Sample Member Poss, Define Sample Member A, and Define Sample Member B were changed from "SAMPLE MEMBER" to "your relative" to create more natural wording flow for the Health Insurance and Income modules.

### ***Health Insurance***

- The phrase "Medicaid may also be called Medical Assistance" was added to QHI02.
- The interviewer note in QHI02a about the Children's Health Insurance program (CHIP) was moved to the question text.
- An introductory statement was added to QHI03 explaining the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS) to respondents. A definition of military health was added as well.
- In QHI06, information about private health insurance outlined in an interviewer note was moved to the question text.

- Question wording in QHI07 was revised to include a further explanation about sources of private health insurance.
- A reference date was added to the question text in questions QHI13 and QHI14 because the items are interviewer administered and the reference date calendar is no longer used.
- State Medicaid program names were updated for QHI02.
- State CHIP program names were updated for QHI02A.

### ***Income***

- QI01N was revised to include a definition of Social Security or Railroad Retirement.
- QI03N was revised to include a definition of Supplemental Security Income.
- The question that asks whether the respondent earned pay or wages while working at a job was deleted, and this category was added to the list of income sources that are read to the respondent.
- QI07N was revised to refer to "SNAP," the acronym for "Supplemental Nutrition Assistance Program," instead of "food stamps" and includes additional information about SNAP.
- QI08N was revised to use the word "borough" or "parish" if appropriate for State geographies. State Temporary Assistance for Needy Families (TANF) program names were updated for this question as well.
- Wording in QI10N was added to specify that this question is about non-monetary welfare.
- Examples were added in QI2AN to include kinds of welfare to report for this question.
- The term "SNAP" was added to QI12BN to be consistent with other references to food stamps. The clarification that was added to QI12AN was also added to this item.
- INTRTINN was reworded. Additionally, sources of income were reordered by suspected level of prevalence, and "income earned at a job or business" was added to the list. This addition accounts for the deletion of QI05N.
- QI20N-QI23B were streamlined so that their screens contain question wording and instructions to hand showcards to respondents. The highest income level has been revised to be \$150,000.
- The home phone question was replaced with two questions about use of a landline and cell phone for the household, CELL1 and CELL2.
- TOALLR3I was reworded to accommodate situations where the item is administered to a proxy but is referring to the original respondent's privacy.

Copies of the 2015 Screener Specifications and CAI Questionnaire can be found in Section 4, "Screening Specifications," and Section 5, "Questionnaires," in the *2015 NSDUH Methodological Resource Book*.

### **3. Interviewer Materials**

The 2015 interviewer materials and protocols for using those materials were based on the 2014 interviewer materials and protocols. In addition to minor wording revisions and year updates (2014 to 2015), the following changes were made to the 2015 interviewer materials:

- All references to the "U.S. Public Health Service" and "Research Triangle Institute" in the 2014 materials were updated for 2015 to refer to the "U.S. Department of Health and Human Services" and "RTI International."
- The Quality Control Form included the updated survey year and the Office of Management and Budget (OMB) expiration date. For clarity, the order of the title and the phrase indicating that the other language is on the reverse side was switched. The Quality Control Forms were printed on gray-colored paper.
- The Lead Letter was printed in color and redesigned with updated content, including the respondent website address, and included the updated survey year and expiration dates in the FI ID badge image.
- The Study Description included the updated survey year and OMB expiration date.
- The Introduction and Informed Consent for Interview Respondents Age 12-17 [in the Showcard Booklet] was updated to include minor wording changes to the FI instructions and an instruction for FIs to confirm that a parent or guardian will be present for the duration of the interview.
- The Introduction and Informed Consent for Interview Respondents Age 18+ [in the Showcard Booklet] included minor wording changes to the FI instructions.
- The RTI/SAMHSA Fact Sheet included an updated picture to feature the new computer equipment and updates to the sentence describing the Center for Behavioral Health Statistics and Quality (CBHSQ).
- The Q&A (Question and Answer) Brochure was printed in color and redesigned with updated content and layout.
- The Doorperson Letter included updated expiration dates in the FI ID badge image.
- The Summary of Questionnaire included the updated survey year and minor wording updates to reflect the 2015 CAI questionnaire.
- The NSDUH Respondent Website content included minor text updates and the updated survey year. The NSDUH in the News web page was updated with links to recent articles and reports, and a video containing footage from the most recent NSDUH press conference was added.

- One NSDUH report, *Underage Binge Alcohol Use Varies within and across States* (Center for Behavioral Health Statistics and Quality, August 7, 2014), one infographic, *Substance Use & Mental Illness in U.S. Adults (18+)* (Center for Behavioral Health Statistics and Quality, 2014), and one Data Spotlight, *1 in 11 Past Year Illicit Drug Users Had Serious Thoughts of Suicide* (Center for Behavioral Health Statistics and Quality, January 16, 2014), were added to the interviewer materials for use with respondents.
- The Showcard Booklet underwent several updates for 2015, in addition to updating the survey year:
  - The total number of Showcards was reduced from 19 to 12 because several questions were moved from the CAPI section to the ACASI section in the 2015 CAI questionnaire;
  - Showcard 5 was updated with revised response options for QD11;
  - The Pill Cards were removed because the pill images display on screen in the 2015 CAI questionnaire;
  - References to "iPAQ" were changed to "tablet" throughout to describe the screening device;
  - An interview troubleshooting guide was added to the inside front cover; and
  - In the Interviewer Job Aids, "Helpful Hints to Gathering Good I&O Data," and references to the Reference Date Calendar were removed. The Equipment Maintenance Checklist was updated to reflect the new computer equipment.
- The NSDUH Highlights were updated to reflect the 2013 study results.
- The SAMHSA Authorization Letter included the updated survey year.
- Refusal, Unable to Contact, and Controlled Access Letters were updated with minor wording changes to improve text flow and clarity.
- Interview Incentive Receipt included the updated survey year.

Copies of the 2015 interviewer materials can be found in Section 7, "Written Communication," in the *2015 NSDUH Methodological Resource Book*.