Table C1. Sources Used in Design

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| Acronym | Full Name of Source |
| Add Health | National Longitudinal Study of Adolescent to Adult Health |
| Behar, Chaves, Gattamorta | Behar-Zusman, V., Chavez, J.V. & Gattamorta, K. (In Preparation), Developing a Measure of the Impact of COVID-19 Social  Distancing on Household Conflict and Cohesion. |
| Huebner & Howell | Examining the Relationship Between Adolescent Sexual Risk-Taking and Perceptions of Monitoring, Communication, and Parenting Styles |
| MPC | Survey instrument used in the Federal Evaluation of Making Proud Choices!; Source: Available upon request from Mathematica |
| NHES | National Household Education Survey |
| NPR | Sex Education in America General Public/Parents Survey; National Public Radio/Kaiser Family Foundation/Kennedy School of Government |
| NSFG | National Survey of Family Growth |
| NSAP | National Survey of Adolescents and Parents |
| PPA | Survey instrument used in the Evaluation of Adolescent Pregnancy Prevention Approaches; Source: Available upon request from Mathematica |
| PREP | Survey instrument used in the Personal Responsibility Education Program Evaluation Performance Measures; Source: Available upon request from Mathematica |
| SexSmart | SexSmart Virginity and First Time Toplines, Kaiser Family Foundation |
| YRBS | Youth Risk Behaviors Survey, Center’s for Disease Control |
| YARH | Evaluation of Youth at Risk of Homelessness Evaluation (YARH); Source: Available upon request from Mathematica |

Note: The survey instruments do not contain items from all sources reviewed during the design phase.

Table C2. Item by Item Source List

| **Item Number** | **Item Wording** | **Source** |
| --- | --- | --- |
| A1 | Were you enrolled in high school during the 2020-2021 school year?  If you are homeschooled instead of attending a public or private school for some or all classes, please select “yes.” | New |
| A2 | Did you receive a high school diploma or high school equivalency certificate (such as a GED or HiSET) prior to the 2020-2021 school year? | NSFG |
| A3 | Is your school on summer break? | New |
| A4 | What type of school [IF A3=0: are you currently enrolled in/ IF A3=1 were you enrolled in for most of the 2020-2021 school year]?  Please only select “homeschool” if that is the school you are normally enrolled in, regardless of the pandemic. This should not include taking classes remotely at home because of COVID 19. | NHES |
| A5 | What grade [are you currently in/were you in during the 2020-2021 school year]?  If school is ungraded or homeschool, please provide the grade equivalent. | New |
| A6 | Due to the COVID-19 pandemic, schools have operated differently during the 2020-2021 school year.  Please select all of the ways you [attended/have attended] school during the 2020-2021 school year. | New |
| A7 | Which of the following best describes how you attended school for most of the school year? | New |
| B1a | Have you ever discussed the following with your parent(s)?  **School work or grades** | New |
| B1b | Have you ever discussed the following with your parent(s)?  **Shows or videos you watched on TV or online** | New |
| B1c | Have you ever discussed the following with your parent(s)?  **Video games or games you play on your phone** | New |
| B1d | Have you ever discussed the following with your parent(s)?  **Your social media or internet use** | New |
| B1e | Have you ever discussed the following with your parent(s)?  **What you did with your friends** | New |
| B1f | Have you ever discussed the following with your parent(s)?  **Who you were dating** | New |
| B1g | Have you ever discussed the following with your parent(s)?  **Your education and career goals** | New |
| B1h | Have you ever discussed the following with your parent(s)?  **Resisting pressure and risks related to alcohol, tobacco, vaping products, and other drugs** | New |
| B1i | Have you ever discussed the following with your parent(s)?  **What makes a healthy relationship or marriage** | New |
| B1j | Have you ever discussed the following with your parent(s)?  **How to resist pressure to have sex as a teen** | New |
| B1k | Have you ever discussed the following with your parent(s)?  **Understanding reproduction, pregnancy, and birth** | New |
| B1l | Have you ever discussed the following with your parent(s)?  **How to get birth control such as condoms, pills, the patch, the shot, the ring, IUD, or an implant** | New |
| B1m | Have you ever discussed the following with your parent(s)?  **Sexually transmitted diseases (STDs) or infections (STIs)** | New |
| B1n | Have you ever discussed the following with your parent(s)?  **Reasons for waiting to have sex** | New |
| B1o | Have you ever discussed the following with your parent(s)?  **How to talk to your partner about whether to have sex** | New |
| B1p | Have you ever discussed the following with your parent(s)?  **Sexual violence, assault, stalking, and harassment** | New |
| B1q | Have you ever discussed the following with your parent(s)?  **How you are feeling** | New |
| B1r | Have you ever discussed the following with your parent(s)?  **COVID-19 safety precautions** | New |
| B2 | Since the COVID-19 pandemic, would you say that you discussed [FILL FOR EACH B1a-r=1; EXCLUDE B1s=1)] with your parent(s) or guardian(s)… | New |
| B3 | Due to the COVID-19 pandemic, has your in-person communication with your parent(s) or guardian(s)… | New |
| B4 | Compared to before the most restrictive phase of the COVID-19 pandemic, were there more conflicts between you and your parents about: | Behar, Chavez, Gattamorta |
| B5a | How often do your parents know **where you are when you are away from home in your free time?** | Huebner & Howell |
| B5b | How often do your parents know **who you are with when you are away from home in your free time?** | Huebner & Howell |
| B5c | How often do your parents know **what you watch on television or online?** | Huebner & Howell |
| B5d | How often do your parents know **what you are posting on social media such as Instagram, Facebook, Twitter, Snapchat, or TikTok?** | Huebner & Howell |
| B5e | How often do your parents know **who you are messaging with on social media such as Instagram, Facebook, Twitter, Snapchat, or TikTok?** | Huebner & Howell |
| B6 | In general, how close do you feel to your parent(s)? | NSAP |
| B7 | Compared to before the COVID-19 pandemic began, would you say you feel… | New |
| C1 | Have you ever had a class or series of classes in middle school or high school that taught any of the following topics? Sometimes these classes are referred to as sex education. | New |
| C2 | Now please think about the [current,] 2020-2021, school year.  Did you have any classes or series of classes that taught sex education during [this/the most recent] school year? | New |
| C3 | Were the classes or series of classes that taught sex education during this school year the first time you have ever had any type of sex education? | New |
| C4 | What other grades did you receive sex education in? | New |
| C5 | Did your parents or guardians have to provide permission for you to participate in sex education this year? | New |
| C6 | Who led or taught the sex education class or classes during this school year? | New |
| C7 | How was your sex education class taught this year? | New |
| C8 | Which of the following teaching methods were used in your sex education classes, sessions, or programs this year? | New |
| C9a | Did any of the sex education classes you took in school discuss the following topics?  **Education about forms of birth control, such as condoms, birth control pills, the patch, the shot, the ring, IUD, or an implant** | New |
| C9a | Did the sex education classes you had in school this year discuss the following topics?  **Effectiveness of birth control for preventing pregnancy and HIV/AIDS and other STDs or STIs** | New |
| C9b | Did the sex education classes you had in school this year discuss the following topics?  **Where or how to get birth control** | New |
| C9c | Did the sex education classes you had in school this year discuss the following topics?  **How to use a condom** | New |
| C9d | Did the sex education classes you had in school this year discuss the following topics?  **How to use other methods of birth control** | New |
| C9e | Did the sex education classes you had in school this year discuss the following topics?  **Reproductive biology and anatomy (including information about sex organs and the menstrual cycle or period)** | New |
| C9f | Did the sex education classes you had in school this year discuss the following topics?  **How pregnancy occurs** | New |
| C9g | Did the sex education classes you had in school this year discuss the following topics?  **How to avoid getting HIV/AIDS and other STDs or STIs** | New |
| C9h | Did the sex education classes you had in school this year discuss the following topics?  **Developing healthy relationships (dating and marriage)** | New |
| C9i | Did the sex education classes you had in school this year discuss the following topics?  **Developing communication skills** | New |
| C9j | Did the sex education classes you had in school this year discuss the following topics?  **Waiting to have sex until marriage** | New |
| C9k | Did the sex education classes you had in school this year discuss the following topics?  **How to talk to your partner about sex and using birth control** | New |
| C9l | Did the sex education classes you had in school this year discuss the following topics?  **How to talk to your parents about sex** | New |
| C9m | Did the sex education classes you had in school this year discuss the following topics?  **How alcohol or drugs might affect decisions about having sex** | New |
| C9n | Did the sex education classes you had in school this year discuss the following topics?  **Setting goals and making plans for your future** | New |
| C9o | Did the sex education classes you had in school this year discuss the following topics?  **The importance of consent (both partners agreeing) before engaging in sex** | New |
| C9p | Did the sex education classes you had in school this year discuss the following topics?  **The laws regarding consent in my state** | New |
| C9q | Did the sex education classes you had in school this year discuss the following topics?  **Laws around sharing information online or through text messages** | New |
| C9r | Did the sex education classes you had in school this year discuss the following topics?  **Diverse gender identities and sexual orientations** | New |
| C9s | Did the sex education classes you had in school this year discuss the following topics?  **The risks of engaging in sexual activities online or virtually** | New |
| C9t | Did the sex education classes you had in school this year discuss the following topics?  **How COVID-19 has impacted romantic relationships** | New |
| C9u | Did the sex education classes you had in school this year discuss the following topics?  **Coping strategies for handling the stresses of the COVID-19 pandemic** | New |
| C9v | Did any of the sex education classes you took in school discuss the following topics?  **Another topic** | New |
| C10 | How much do you agree or disagree with the following statement?  The sex education I had this year made me more comfortable talking with my parents or another trusted adult about sex | New |
| C11 | How much do you agree or disagree with the following statement?  The sex education I had this year prepared me to make healthy decisions about sex. | Sex Smart |
| C12 | Overall, how satisfied were you with the sex education you received during this school year? | New |
| C13a | Even if you didn’t attend all of the sessions or classes in your sex education program, how often during your sex education class or classes [FILL A-E]…  did you feel interested in sessions and classes? | PREP Performance Measures |
| C13b | Even if you didn’t attend all of the sessions or classes in your sex education program, how often during your sex education class or classes [FILL A-E]…  did you feel the material presented was clear? | PREP Performance Measures |
| C13c | Even if you didn’t attend all of the sessions or classes in your sex education program, how often during your sex education class or classes [FILL A-E]…  did discussions or activities help you to learn program lessons? | PREP Performance Measures |
| C13d | Even if you didn’t attend all of the sessions or classes in your sex education program, how often during your sex education class or classes [FILL A-E]…  did you have a chance to ask questions about topics or issues that came up in the program? | PREP Performance Measures |
| C13e | Even if you didn’t attend all of the sessions or classes in your sex education program, how often during your sex education class or classes [FILL A-E]…  did you feel respected as a person? | PREP Performance Measures |
| C14 | What could be improved about the sex education you received this year? | New |
| C15 | Do you think the reason you did not receive sex education class or classes this past year was due to the COVID-19 pandemic? For example, if a health class or other elective where sex education topics are usually covered was not offered this year due to the pandemic. | New |
| C16a | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Effectiveness of birth control for preventing pregnancy and HIV/AIDS and other STDs or STIs** | New |
| C16b | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Where or how to get birth control** | New |
| C16c | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How to use a condom** | New |
| C16d | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How to use other methods of birth control** | New |
| C16e | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Reproductive biology and anatomy (including information about sex organs and the menstrual cycle or period)** | New |
| C16f | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How pregnancy occurs** | New |
| C16g | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How to avoid getting HIV/AIDS and other STDs or STIs** | New |
| C16h | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Developing healthy relationships (dating and marriage)** | New |
| C16i | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Developing communication skills** | New |
| C16j | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Waiting to have sex until marriage** | New |
| C16k | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How to talk to your partner about sex and using birth control** | New |
| C16l | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How to talk to your parents about sex** | New |
| C16m | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How alcohol or drugs might affect decisions about having sex** | New |
| C16n | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Setting goals and making plans for your future** | New |
| C16o | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **The importance of consent (both partners agreeing) before engaging in sex** | New |
| C16p | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **The laws regarding consent in my state** | New |
| C16q | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Laws around sharing information online or through text messages** | New |
| C16r | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Diverse gender identities and sexual orientations** | New |
| C16s | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **The risks of engaging in sexual activities online or virtually** | New |
| C16t | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **How COVID-19 has impacted romantic relationships** | New |
| C16u | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Coping strategies for handling the stresses of the COVID-19 pandemic** | New |
| C16v | What topics do you think will be the most important for people your age to learn about in sex education in the next year?  **Another topic** | New |
| D1 | Have you ever had sex? (this includes vaginal, oral, or anal sex)? | PPA |
| D2 | For the first questions we want you to think about the time in your life prior to March 2020, over a year ago, before the pandemic began in the United States.  Did you ever have oral, vaginal or anal sex before March 2020? | New |
| D3 | Now we want you to think about the time during the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021, where things such as social distancing and quarantine were in effect.  Did you have oral sex, vaginal sex, or anal sex since between March 2020-March 2021? | New |
| D4 | People have different reasons for not having sex. Which of the following is true for you? | New |
| D5a | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **My family’s values or religious beliefs** | New |
| D5b | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **My own personal values or religious beliefs** | SexSmart |
| D5c | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **Because I want to wait until I am in a long-term relationship** | New |
| D5d | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **Because I want to wait until marriage** | New |
| D5e | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to be judged negatively by my peers** | SexSmart |
| D5f | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I feel I am too young to have sex** | SexSmart |
| D5g | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I feel that sex gets in the way of achieving the goals I have for myself** | New |
| D5h | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get pregnant or get my partner pregnant** | SexSmart |
| D5i | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get a STD or STI** | SexSmart |
| D5j | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I’m in a relationship, but we are not ready** | New |
| D5k | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I haven’t found the right person** | MPC |
| D5l | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I didn’t like sex** | New |
| D5m | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I wish I had waited longer to have sex** | New |
| D5n | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get COVID-19** | New |
| D5o | How important to you is each of the following reasons why you have not had sex in the last 6 months?  **Other reason** | New |
| D6 | Is the reason you did not have the chance to have sex because of COVID-19 related restrictions such as quarantine or social distancing? | New |
| D7 | During the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021, how many sexual partners did you have? | New |
| D8 | During the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021, how often did you use a condom when you had sex? | New |
| D9 | Below are some reasons people may not use condoms. What are the reasons that you or your partner did not use condoms when having sex during the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021? | NSFG |
| D10 | During the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021, how often did you or your partner use birth control, not including condoms when you had sex? | New |
| D11 | During the most restrictive phases of the COVID-19 pandemic between March 2020-March 2021, how easy or difficult has it been for you or your partner to access birth control, other than condoms? | New |
| D12 | Now we want you to think about the past 3 months. In the past 3 months, that is since [MONTH YEAR 3 months ago] have you had sex? By sex we mean oral sex, vaginal sex, or anal sex. | PPA |
| D13 | People have different reasons for not having sex. Which of the following is true for you | New |
| D14a | How important to you is each of the following reasons for not having sex in the past 3 months?  **My family’s values or religious beliefs** | New |
| D14b | How important to you is each of the following reasons for not having sex in the past 3 months?  **My own personal values or religious beliefs** | SexSmart |
| D14c | How important to you is each of the following reasons for not having sex in the past 3 months?  **Because I want to wait until I am in a long-term relationship** | New |
| D14d | How important to you is each of the following reasons for not having sex in the past 3 months?  **Because I want to wait until marriage** | New |
| D14e | How important to you is each of the following reasons for not having sex in the past 3 months?  **I don’t want to be judged negatively by my peers** | SexSmart |
| D14f | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I feel I am too young to have sex** | SexSmart |
| D14g | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I feel that sex gets in the way of achieving the goals I have for myself** | New |
| D14h | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get pregnant or get my partner pregnant** | SexSmart |
| D14i | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get a STD or STI** | SexSmart |
| D14j | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I’m in a relationship, but we are not ready** | New |
| D14k | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I haven’t found the right person** | MPC |
| D14l | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I didn’t like sex** | New |
| D14m | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I wish I had waited longer to have sex** | New |
| D14n | How important to you [is/was] each of the following reasons for not having sex [during the most restrictive phase of the pandemic]?  **I don’t want to get COVID-19** | New |
| D14o | How important to you is each of the following reasons why you have not had sex in the last 6 months?  **Other reason** | New |
| D15 | In the past 3 months, how many sexual partners did you have? | MPC |
| D16 | In the past 3 months, how often did you use a condom when you had sex? | MPC |
| D17 | Below are some reasons people may not use condoms. What are the reasons that you or your partner did not use condoms when having sex during past 3 months? | New |
| D18 | In the past 3 months, how often did you or your partner use birth control, not including condoms when you had sex? | MPC |
| D19 | In the past 3 months, how easy or difficult has it been for you or your partner to access birth control, other than condoms? | New |
| D20 | Since the COVID-19 pandemic began, have you sexted with someone? | MPC |
| D21 | Since the COVID-19 pandemic began, would you say you have sexted… | New |
| D22 | Since the COVID-19 pandemic began, have you watched pornographic videos? | New |
| D23 | Since the COVID-19 pandemic began, would you say you have watched pornographic videos… | New |
| E1 | How old are you? | YRBS |
| E2 | Are you of Hispanic, Latinx, or Chicano origin? | New |
| E3 | What is your race? | OMB |
| E4 | What sex were you assigned at birth? | OMB |
| E5 | Which of the following best describes how you think of yourself? | YAHR |
| E6 | People are different in their sexual attraction to other people. Which best describes your feelings? | MPC |
| E7 | In which state do you live? | New |

Note: Most questions are adapted from the source.