| Questionnaire (17-18 year old child) to be filled in by child | | | | | | |
|---|---|---|---|---|---|---|
| **Domain** | **Number** | **Measure** | **Remarks** | **References** | **Potential publications and use of the data** | **Others** |
| **Salut respiratoria y asma** | 1-11 | MEDALL questionnaire | Idem 14y "Asma" excepto preguntas opcionales 1-7 | | outcome variable | |
| **Problemas en la nariz y ojos** | 12 | MEDALL questionnaire | Idem 14y "Rinitis alérgica" excepto preguntas 5 i 7-14 i preguntas opcionales | | outcome variable | |
| **Problemas de piel** | 13-16 | MEDALL questionnaire | Idem 14y "Eczema" excepto preguntas opcionales | | outcome variable | |
| **Reacciones alérgicas a alimentos** | 17-18 | MEDALL questionnaire | Similar 14y "Nutrición" | | outcome variable | |
| **Características del hogar y familiares** | 19-27 | Situación familiar, tabaco padres/otros, animales casa | Similar 14y "Preguntas sociodemográficas" | | confounding variables for neuro/growth/resp/others | |
| **Actividad física y derportes** | 28 | Intenso/moderado/suave | Similar 14y "Actividad física" | | i) association with cognitive and behaviour outcomes; ii) association with growth; iii) confounding variables for neuro/growth/resp/others | |
| | 29 | Deporte, competición | | David Donaire (ddonaire@creal.cat) | | |
| **Televisión** | 30-31 | tiempo, TV en habitación | Similar Generation R, ACBD, HERMES | | i) association with cognitive and behaviour outcomes; ii) association with growth; iii) confounding variables for neuro/growth/resp/others | |
| **Estudios y trabajo** | 32-36 | Estudios, notas, trabajo | One question on studies similar 14y "Preguntas sociodemográficas" pregunta 7; similar ALSPAC; notas similar 14y hoja visita | | confounding variables for neuro/growth/resp/others | |
| **Uso de teléfono móvil y otras tecnologías** | 37-40, 44-55 | REMBRANDT questionnaire (phone, tablet, other devices) | idem ABCD, HERMES, DNBC, INMA, Generation R; some questions similar 14y "Telefonía" | | to define RF exposure and will be used for the association with the following outcomes: i) congitive function; ii) behaviour problems; iii) sleeping problems; iv) non-specific symptoms (GERoNiMO/REMBRANDT) | |
| | 41-43 | MOBI-KIDS questionnaire (laterality, bluetooth, hands-free) | similar HERMES | | to define RF exposure and will be used for the association with the following outcomes: i) congitive function; ii) behaviour problems; iii) sleeping problems; iv) non-specific symptoms (GERoNiMO/REMBRANDT) | |
| | 56 | Short version of the Mobile Phone Problem Use Scale (MPPUS) for Adolescents | idem HERMES; Spanish adaptation of the questionnaire for adolescents | i) López-Fernández O, Honrubia-Serrano ML, Freixa-Blanxart M. [Spanish adaptation of the "Mobile Phone Problem Use Scale" for adolescent population]. Adicciones.2012;24(2):123-30; ii) paper HERMES of validation short version (under review) | association with the following outcomes: i) congitive function; ii) behaviour problems; iii) sleeping problems; iv) non-specific symptoms (GERoNiMO/REMBRANDT) | |
| **Consumo de tabaco** | 57 | Cuestionario ESTUDES 2012 | Similar 14y "Consumo de tabaco" | | i) association with cognitive and behaviour outcomes; ii) association with growth; iii) association with resp; iv) confounding variables for neuro/growth/resp/others | |
| **Consumo de bebidas alcohólicas** | 58 | Cuestionario ESTUDES 2012 | Similar 14y "Alcohol" | | i) association with cognitive and behaviour outcomes; ii) association with growth; iii) association with resp; iv) confounding variables for neuro/growth/resp/others | |
| **Otro tipo de drogas** | 59-60 | Cuestionario ESTUDES 2012 | Similar 14y "Drogas" | | i) association with cognitive and behaviour outcomes; ii) association with growth; iii) association with resp; iv) confounding variables for neuro/growth/resp/others | |
| **Calidad del sueño** | 61-69 | Pittsburgh sleep quality index (preg. 1-9) + MCTQ (selected questions) | PSQI is an adult questionnaire | i) PSQI: Buysse DJ, Reynolds CF 3rd, Monk TH, Berman SR, Kupfer DJ. The Pittsburgh Sleep Quality Index: a new instrument for psychiatric practice and research. Psychiatry Res. 1989;28(2):193-213; ii) MCTQ: Roenneberg T, Wirz-Justice A, Merrow M. Life between clocks: daily temporal patterns of human chronotypes. J Biol Rhythms. 2003;18(1):80-90 | i) outcome variable (GERoNiMO/REMRBANDT, others?); ii) confounding/mediator variable for neuro/growth/resp/others | permission asked PSQI |
| | 71 | Sleep & tech | Idem ABCD | | association with sleeping problems (GERoNiMO/REMBRANDT) | |
| **Cronotipo** | 72 | MCTQ | Idem MCC-Spain questionnaire | Roenneberg T, Wirz-Justice A, Merrow M. Life between clocks: daily temporal patterns of human chronotypes. J Biol Rhythms. 2003;18(1):80-90 | i) outcome variable; ii) confounding/mediator variable for neuro/growth/resp/others | |
| **Dolor de cabeza** | 73 | HIT-6 | idem HERMES | Kosinski M, Bayliss MS, Bjorner JB, Ware JE Jr, Garber WH, Batenhorst A, Cady R, Dahlöf CG, Dowson A, Tepper S. A six-item short-form survey for measuring headache impact: the HIT-6. Qual Life Res. 2003;12(8):963-74 | i) outcome variable (GERoNiMO/REMRBANDT, others?); ii) confounding/mediator variable for neuro/others? | permission asked |

| Domain | Number | Measure | Remarks | References | Potential publications | Others |
|---|---|---|---|---|---|---|
| Consumo de refrescos y otras bebidas | 74 | Sweet beverages | Idem FFQ pregnancy INMA and 4y INMA-Sab | | confounding variable for growth | |
| Estado de salud general y bienestar | 75-79 | Kidscreen-27 | idem HERMES | Ravens-Sieberer U, Gosch A, Rajmil L, Erhart M, Bruil J, Duer W, Auquier P, Power M, Abel T, Czemy L, Mazur J, Czimbalmos A, Tountas Y, Hagquist C, Kilroe J, Kidscreen Group E. KIDSCREEN-52 quality-of-life measure for children and adolescents. Expert Rev Pharmacoecon Outcomes Res. 2005;5(3):353-64 | i) outcome variable (GERoNiMO/REMRBANDT, others?); ii) confounding/mediator variable for neuro/growth/resp/others | permission asked |
| Comportamiento y emociones | 80 | SDQ | idem 14y and ABCD, HERMES, DNBC, INMA | Goodman R. The Strengths and Difficulties Questionnaire: a research note. J Child Psychol Psychiatry. 1997;38(5):581-6 | outcome variable (GERoNiMO/REMRBANDT, others?) | |
| SÓLO CHICAS - Crecimiento y desarrollo | 81-85 | Menstrual cycle, bleeding, age menarche, contraceptives | Idem ALSPAC, similar 14y "Desarrollo puberal" pregunta 5 | | outcome variable | |

*Preguntas elimidadas:*

| Domain | Number | Measure | Remarks | References | Potential publications | Others |
|---|---|---|---|---|---|---|
| Bullying | | Gen R questionnaire + cyberbuylling / victimization question | Suggested by Marina Verlinen (Generation R), same questions than Generation R mother 7.5y We give a definition of bullying, which clearly shows that it is systematic and that the power is unevenly distributed (Olweus, 1996) Five answer options from Olweus (Solberg & Olweus, 2003) | Adapted from: Perren S, Alsaker FD. Social behavior and peer relationships of victims, bully-victims, and bullies in kindergarten. J Child Psychol Psychiatry. 2006;47(1):45-57 Olweus, D. (1996). The revised Olweus bully/victim questionnaire. Bergen, Norway: Research Center for Health Promotion (HEMIL Center), University of Bergen Solberg, M. E., & Olweus, D. (2003). Prevalence estimation of school bullying with the Olweus Bully Victim Questionnaire. Aggressive Behavior, 29, 239-268 | Strengths: longitudinal measurements of predictors Limitations: small sample size, already a lot of literature, not measures of bullying in previous years, not expertise here Potential publications: - longitudinal behavior/cognition/family structure & psychopathology as predictors of bullying (less victimization) 18y - bullying (mainly victimization) 18y predictors of later outcomes/MRI | |