

Supplementary

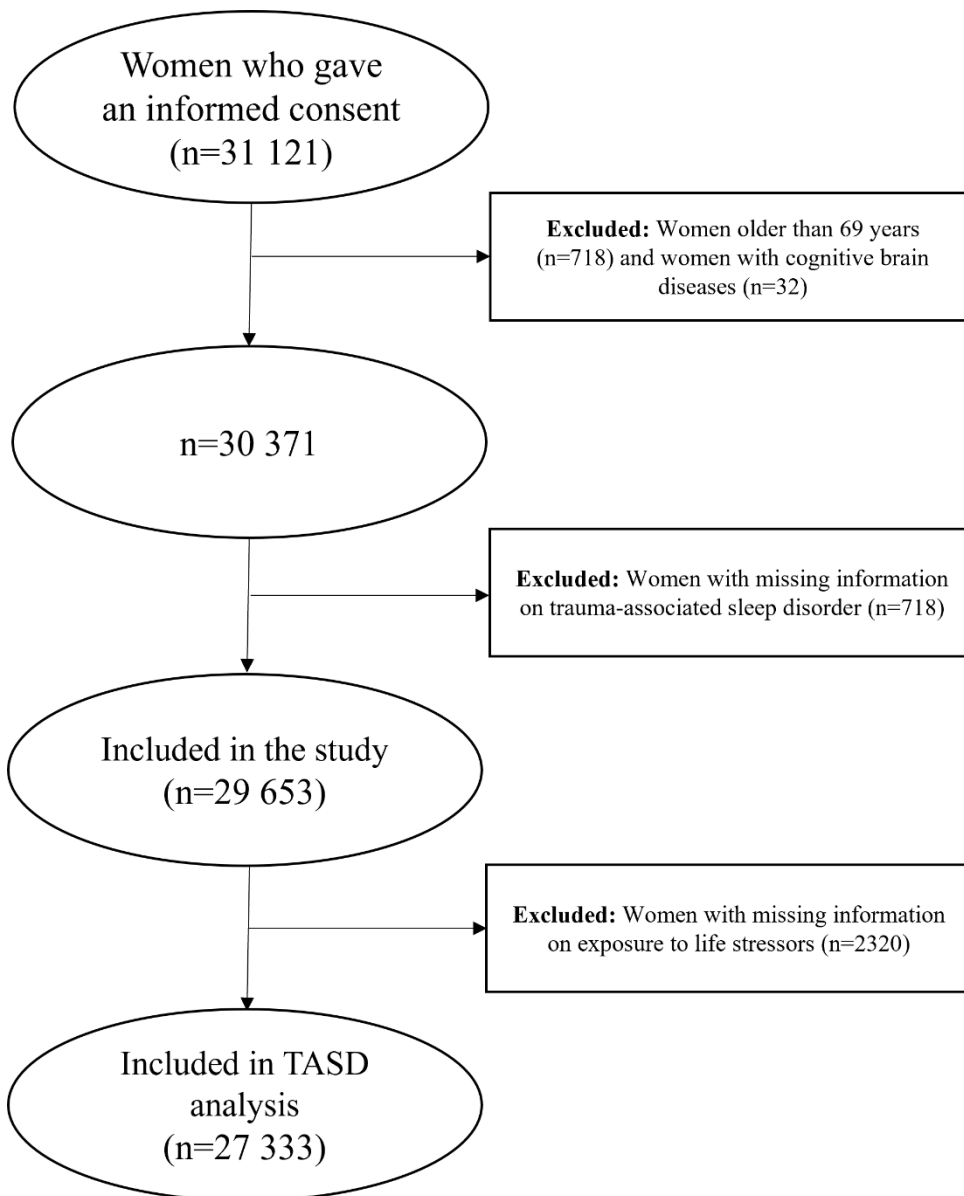


Figure S1. Flowchart of women participating in the study.

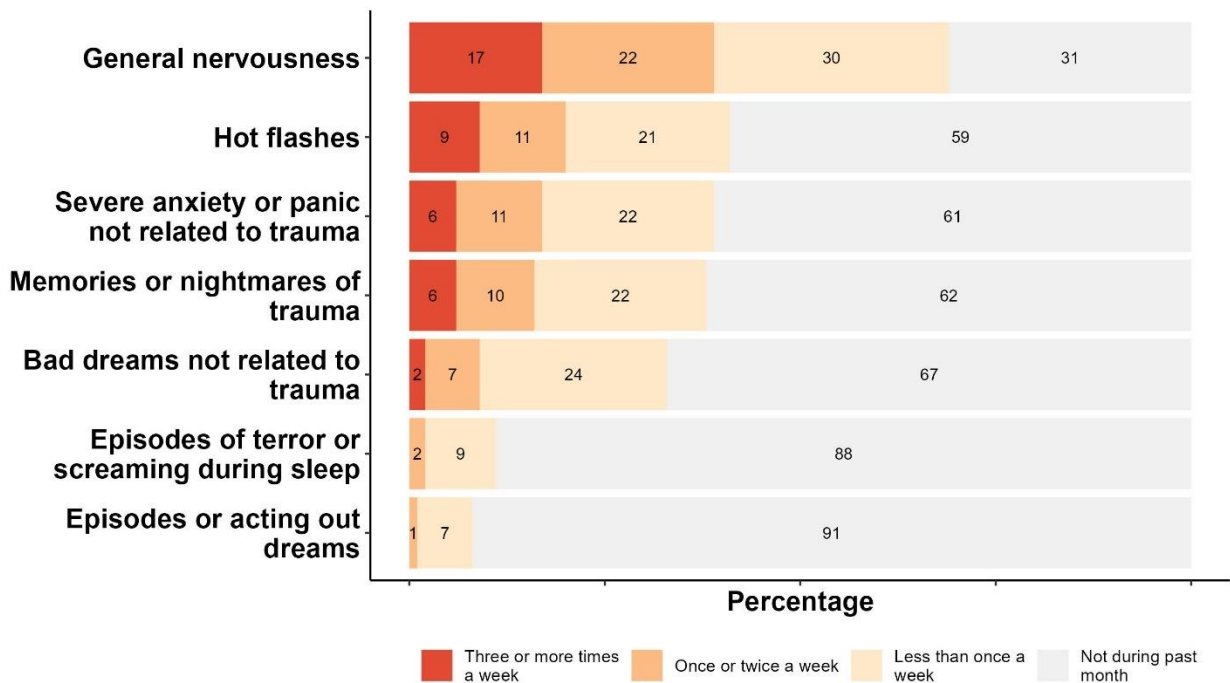


Figure S2. Prevalence of the past month of individual items on the PSQI-A. Note: Values <1 are not displayed in the figure. PSQI-A = The Pittsburgh Sleep Quality Index Addendum for PTSD.

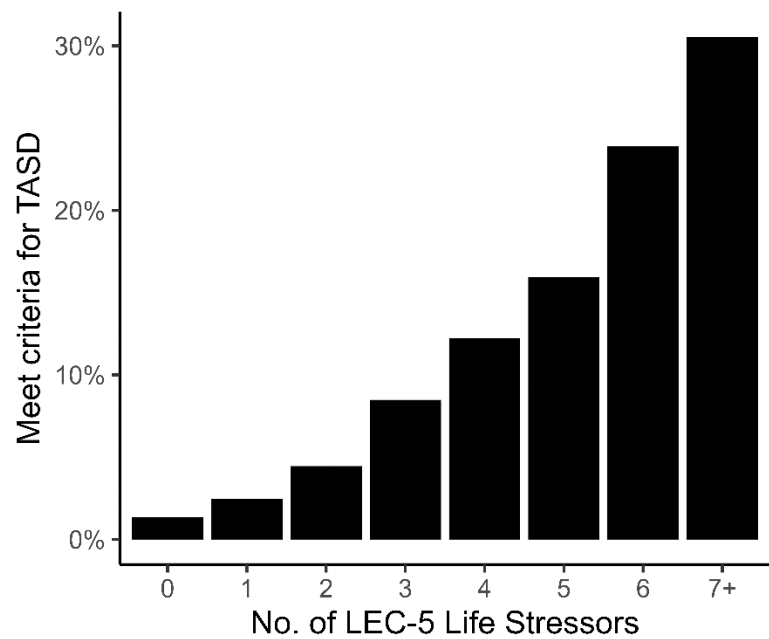


Figure S3. Association of the number of LEC-5 life stressors and TASD.

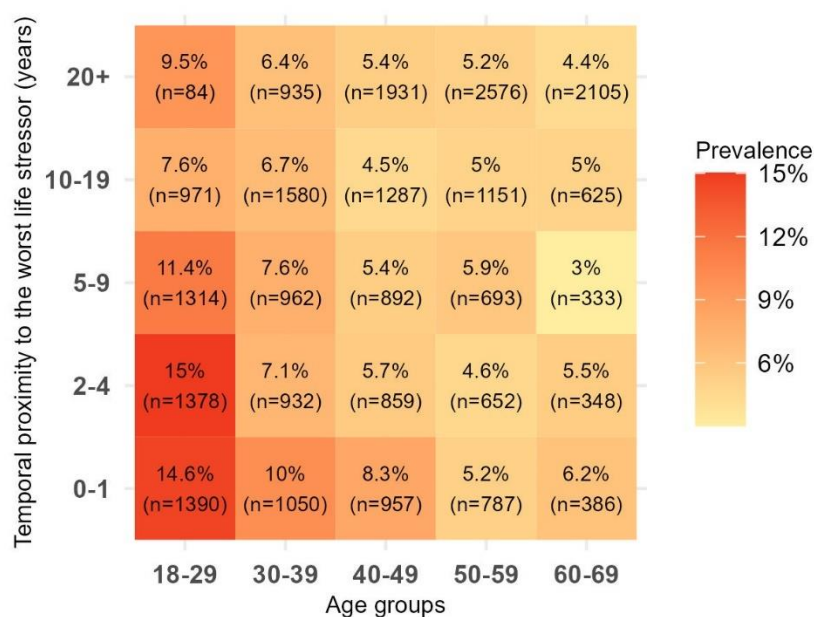


Figure S4. Heatmap illustrating the prevalence of TASP across age groups and temporal proximity to worst life stressor (in years).

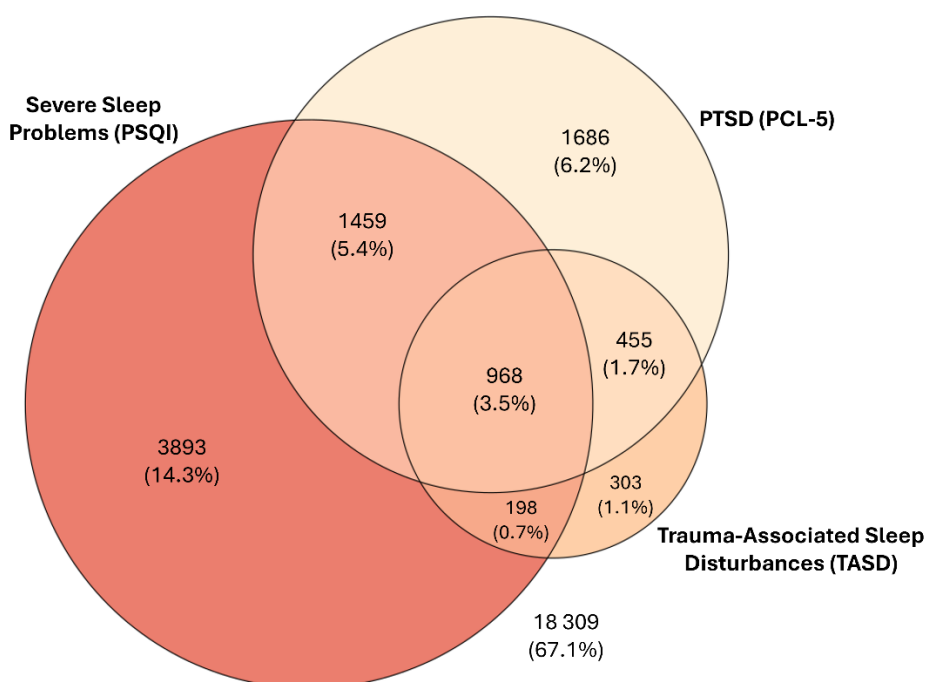


Figure S5. Venn diagram illustrating the overlapping prevalence of TASP, severe sleep problems assessed by the Pittsburgh Sleep Quality Index (PSQI), and probable PTSD as measured by the PTSD Checklist for DSM-5 (PCL-5), with area sizes proportional to the number of cases in each category.

Table S1 – Worst life stressor items

| No. | Item name | Further description |
|-----|--|--|
| 1. | Natural disaster, fire, explosion, or serious accident | Natural disaster (e.g., flood, hurricane, tornado, earthquake), fire, explosion, transportation accident (e.g., car accident, boat accident, train wreck, plane crash), or serious accident at work, home, or during recreational activity |
| 2. | Physical violence | Physical assault (e.g., being attacked, hit, slapped, kicked, beaten up) or assault with a weapon (e.g., being shot, stabbed, threatened with a knife, gun, bomb) |
| 3. | Sexual violence | Sexual assault (e.g., rape, attempted rape, made to perform any type of sexual act through force or threat of harm) |
| 4. | Other unwanted sexual experience | Other unwanted or uncomfortable sexual experience |
| 5. | Combat, or war-zone | Combat, or exposure to a war-zone (in the military or as a civilian) |
| 6. | Captivity | Loss of freedom (e.g., kidnapping, abduction, taken hostage, prisoner of war) |
| 7. | Life-threatening illness or injury | |
| 8. | Sudden violent death | Sudden violent death (e.g., murder, suicide) |
| 9. | Sudden death due to accident | |
| 10. | Serious injury/harm/death to other | Serious injury, harm or death that you caused someone else |
| 11. | Bullying | Bullying (repeated reprehensible behaviour of a person or a group, intended to frighten, hurt, or intimidate others) |
| 12. | Discrimination/humiliation | Discrimination (e.g., prejudice because of race or sexual orientation), public humiliation on social media or in the press, or other humiliating experience |
| 13. | Divorce/breakup | |
| 14. | Adultery/rejection | Adultery/rejection by spouse |
| 15. | Child taken away from you | |
| 16. | Child with serious disability | Having a child with a serious physical or mental disability (e.g., impaired development, birth defect, impaired vision, hearing, or walking) |
| 17. | Stillbirth | |
| 18. | Other difficult birth experience | |
| 19. | Other experience | Open ended question on other stressful/traumatizing experience. |

Table S2. Age adjusted and multivariate adjusted logistic regression models in complete case analysis, missing values, and pooled data analysis after multiple imputation.

| | TASD n(%) | Complete cases (n=20 464) | | Missing values* as category (n=27 333) | | Pooled data after multiple imputation (n=27 333) | |
|-------------------------------------|--------------|------------------------------|-------------------------|---|-------------------------|---|-------------------------|
| | | Age adj. PR | Multivariate adj. PR | Age adj. PR | Multivariate adj. PR | Age adj. PR | Multivariate adj. PR |
| Age Categories ^{a,b} | | | | | | | |
| 60–69 | 182 (4.4%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| 50–59 | 323 (5.2%) | 1.08 (0.88–1.33) | 1.12 (0.90–1.40) | 1.17 (0.98–1.40) | 1.19 (0.99–1.43) | 1.17 (0.98–1.40) | 1.21 (1.00–1.46) |
| 40–49 | 349 (5.7%) | 1.08 (0.88–1.34) | 1.22 (0.97–1.52) | 1.28 (1.08–1.53) | 1.39 (1.15–1.67) | 1.28 (1.08–1.53) | 1.40 (1.16–1.69) |
| 30–39 | 421 (7.5%) | 1.66 (1.36–2.03) | 1.88 (1.51–2.33) | 1.69 (1.42–2.00) | 1.87 (1.56–2.25) | 1.69 (1.42–2.00) | 1.89 (1.57–2.28) |
| 18–29 | 651 (12.3%) | 2.72 (2.25–3.28) | 2.49 (1.99–3.12) | 2.78 (2.37–3.26) | 2.54 (2.12–3.05) | 2.78 (2.37–3.26) | 2.59 (2.14–3.14) |
| Relationship Status ^b | | | | | | | |
| Married or in a relationship | 1230 (6.0%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Single or widowed | 674 (10.3%) | 1.65 (1.47–1.85) | 1.28 (1.15–1.43) | 1.61 (1.47–1.77) | 1.25 (1.14–1.36) | 1.61 (1.46–1.77) | 1.25 (1.14–1.37) |
| Unknown | 22 | - | - | 2.32 (1.56–3.43) | 1.19 (0.82–1.73) | - | - |
| Education ^b | | | | | | | |
| Tertiary level B | 222 (3.6%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Tertiary level A | 417 (4.8%) | 1.39 (1.14–1.68) | 1.12 (0.92–1.36) | 1.33 (1.13–1.56) | 1.11 (0.94–1.31) | 1.31 (1.11–1.54) | 1.12 (0.93–1.34) |
| Secondary | 751 (8.9%) | 2.45 (2.04–2.94) | 1.41 (1.15–1.71) | 2.36 (2.03–2.75) | 1.44 (1.23–1.69) | 2.32 (1.98–2.72) | 1.45 (1.19–1.76) |
| Primary | 518 (13.1%) | 3.93 (3.26–4.74) | 1.67 (1.35–2.05) | 3.61 (3.09–4.21) | 1.64 (1.38–1.95) | 3.55 (3.01–4.18) | 1.66 (1.34–2.05) |
| Unknown | 18 | - | - | 5.51 (3.56–8.53) | 2.28 (1.50–3.45) | - | - |
| Personal Income ^b | | | | | | | |
| ≥5601 EUR | 111 (3.0%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| 4001–5600 EUR | 243 (3.9%) | 1.36 (1.04–1.78) | 1.18 (0.90–1.54) | 1.27 (1.02–1.58) | 1.10 (0.88–1.37) | 1.16 (0.89–1.50) | 1.04 (0.81–1.32) |
| 2401–4000 EUR | 513 (6.3%) | 2.30 (1.80–2.95) | 1.41 (1.09–1.83) | 1.96 (1.59–2.40) | 1.20 (0.97–1.49) | 1.73 (1.32–2.27) | 1.11 (0.83–1.49) |
| 1201–2400 EUR | 771 (12.3%) | 4.14 (3.24–5.30) | 1.59 (1.21–2.08) | 3.63 (2.97–4.44) | 1.45 (1.17–1.81) | 3.18 (2.35–4.30) | 1.35 (0.96–1.90) |
| <1200 EUR | 203 (10.9%) | 3.19 (2.38–4.26) | 1.64 (1.22–2.22) | 2.67 (2.10–3.38) | 1.41 (1.10–1.80) | 2.32 (1.60–3.36) | 1.31 (0.89–1.94) |
| Unknown | 85 | - | - | 2.53 (1.92–3.32) | 1.56 (1.18–2.06) | - | - |
| Employment Status ^b | | | | | | | |
| Employed/studying | 1245 (5.6%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Unemployed | 56 (11.8%) | 2.21 (1.65–2.97) | 1.46 (1.09–1.94) | 1.93 (1.50–2.48) | 1.30 (1.02–1.66) | 1.92 (1.49–2.46) | 1.31 (1.03–1.69) |
| Staying at home/ maternity leave | 50 (5.1%) | 0.75 (0.53–1.06) | 0.82 (0.58–1.14) | 0.74 (0.56–0.98) | 0.79 (0.60–1.04) | 0.74 (0.56–0.98) | 0.80 (0.61–1.05) |
| On disability | 408 (18.9%) | 4.74 (4.17–5.38) | 2.00 (1.72–2.33) | 4.41 (3.98–4.89) | 1.94 (1.71–2.19) | 4.36 (3.91–4.85) | 1.93 (1.69–2.21) |
| Sick leave | 107 (15.4%) | 3.02 (2.41–3.79) | 1.69 (1.35–2.11) | 2.98 (2.50–3.57) | 1.74 (1.46–2.08) | 2.96 (2.48–3.54) | 1.75 (1.46–2.09) |
| Retired | 31 (3.8%) | 1.55 (1.02–2.36) | 1.16 (0.76–1.75) | 1.36 (0.93–1.99) | 1.11 (0.76–1.61) | 1.51 (0.97–2.35) | 1.19 (0.80–1.78) |

| | | | | | | | |
|--|-------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| Unknown | 29 | - | - | 2.90 (2.11–4.00) | 1.78 (1.31–2.41) | - | - |
| Smoking^b | | | | | | | |
| Never | 607 (5.0%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Previous smoker | 644 (6.7%) | 1.80 (1.58–2.05) | 1.20 (1.05–1.37) | 1.63 (1.46–1.82) | 1.10 (0.98–1.23) | 1.60 (1.37–1.86) | 1.10 (0.95–1.28) |
| Non-daily | 153 (10.0%) | 2.22 (1.82–2.70) | 1.54 (1.27–1.87) | 1.94 (1.64–2.30) | 1.38 (1.17–1.63) | 1.95 (1.49–2.55) | 1.41 (1.10–1.80) |
| Daily | 391 (15.7%) | 3.99 (3.46–4.60) | 1.68 (1.44–1.95) | 3.45 (3.06–3.88) | 1.52 (1.34–1.72) | 3.17 (2.49–4.09) | 1.54 (1.21–1.95) |
| Unknown | 131 | - | - | 1.56 (1.30–1.86) | 1.18 (1.00–1.40) | - | - |
| Binge Drinking in the Past Year^b | | | | | | | |
| Never | 714 (5.8%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Less than once a month | 688 (6.9%) | 1.05 (0.93–1.18) | 1.16 (1.03–1.31) | 0.99 (0.89–1.10) | 1.11 (1.00–1.23) | 0.96 (0.83–1.11) | 1.07 (0.93–1.23) |
| Monthly | 261 (9.9%) | 1.37 (1.16–1.62) | 1.37 (1.17–1.61) | 1.30 (1.14–1.50) | 1.34 (1.17–1.53) | 1.25 (1.06–1.48) | 1.28 (1.09–1.50) |
| Once or more a week | 127 (13.1%) | 2.04 (1.65–2.53) | 1.63 (1.33–2.01) | 1.91 (1.60–2.28) | 1.53 (1.29–1.81) | 1.72 (1.34–2.20) | 1.43 (1.12–1.81) |
| Unknown | 136 | - | - | 2.22 (1.02–1.45) | 1.18 (1.00–1.39) | - | - |
| No. of LEC-5 Worst Life Stressors^c | | | | | | | |
| 0 | 53 (1.4%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| 1 | 151 (2.5%) | 1.91 (1.30–2.80) | 1.82 (1.24–2.66) | 1.82 (1.33–2.48) | 1.74 (1.28–2.38) | 1.82 (1.33–2.48) | 1.75 (1.28–2.38) |
| 2–3 | 675 (6.2%) | 4.90 (3.48–6.90) | 4.35 (3.09–6.11) | 4.54 (3.44–5.99) | 4.06 (3.08–5.35) | 4.54 (3.44–5.99) | 4.08 (3.10–5.38) |
| 4–5 | 673 (13.6%) | 11.23 (7.99–15.79) | 8.55 (6.07–12.05) | 10.09 (7.65–13.30) | 7.81 (5.92–10.31) | 10.09 (7.65–13.30) | 7.89 (5.98–10.42) |
| ≥6 | 374 (26.2%) | 22.40 (15.83–31.69) | 13.81 (9.71–19.65) | 20.21 (15.26–26.76) | 12.97 (9.75–17.26) | 20.21 (15.26–26.77) | 13.15 (9.88–17.50) |
| Worst LEC-5 Life Stressors^b | | | | | | | |
| Natural disaster, fire, explosion, or serious accident | 60 (4.2%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Physical violence | 166 (11.9%) | 3.48 (2.40–5.06) | 2.38 (1.65–3.44) | 2.67 (2.01–3.55) | 1.85 (1.40–2.43) | 2.67 (2.01–3.55) | 1.86 (1.41–2.45) |
| Sexual violence | 692 (18.1%) | 4.89 (3.48–6.89) | 3.24 (2.31–4.55) | 3.75 (2.90–4.84) | 2.44 (1.90–3.13) | 3.75 (2.90–4.84) | 2.46 (1.91–3.16) |
| Other unwanted sexual experience | 95 (5.4%) | 1.35 (0.90–2.05) | 1.52 (1.01–2.29) | 1.17 (0.86–1.61) | 1.31 (0.96–1.77) | 1.17 (0.86–1.61) | 1.31 (0.96–1.78) |
| Combat or war-zone | 3 (12.5%) | 3.53 (1.01–12.40) | 3.96 (1.34–11.66) | 2.88 (1.01–8.18) | 3.34 (1.26–8.82) | 2.88 (1.01–8.18) | 3.28 (1.22–8.77) |
| Captivity | 14 (17.3%) | 3.98 (1.98–8.01) | 2.14 (1.11–4.15) | 3.70 (2.20–6.21) | 2.03 (1.24–3.31) | 3.70 (2.20–6.21) | 2.03 (1.24–3.32) |
| Life-threatening illness or injury | 221 (6.2%) | 1.74 (1.21–2.51) | 1.63 (1.13–2.35) | 1.54 (1.17–2.03) | 1.48 (1.13–1.94) | 1.54 (1.17–2.03) | 1.49 (1.13–1.96) |
| Sudden violent death | 99 (8.8%) | 2.52 (1.68–3.76) | 2.09 (1.40–3.11) | 2.05 (1.50–2.79) | 1.68 (1.24–2.27) | 2.05 (1.50–2.79) | 1.69 (1.25–2.29) |
| Sudden death due to accident | 86 (6.7%) | 1.98 (1.31–3.01) | 1.92 (1.27–2.88) | 1.69 (1.23–2.33) | 1.56 (1.15–2.12) | 1.69 (1.23–2.33) | 1.58 (1.16–2.15) |
| Serious injury/harm/death to other | 3 (8.8%) | 4.43 (1.42–13.88) | 3.24 (0.99–10.61) | 2.00 (0.64–6.25) | 1.50 (0.47–4.81) | 2.00 (0.64–6.25) | 1.53 (0.48–4.90) |
| Other experience | 171 (5.2%) | 1.63 (1.12–2.36) | 1.55 (1.07–2.26) | 1.23 (0.93–1.64) | 1.21 (0.91–1.60) | 1.23 (0.93–1.64) | 1.21 (0.91–1.82) |
| Other Worst Life Stressors^b | | | | | | | |

| | | | | | | | |
|--|--------------|----------------------------|----------------------------|----------------------------|---------------------------|----------------------------|---------------------------|
| Bullying | 68 (3.1%) | 0.80 (0.52–1.25) | 0.94 (0.61–1.46) | 0.67 (0.48–0.95) | 0.80 (0.57–1.11) | 0.67 (0.48–0.95) | 0.80 (0.58–1.12) |
| Discrimination/humiliation | 43 (4.3%) | 1.07 (0.64–1.80) | 1.08 (0.65–1.81) | 1.00 (0.68–1.46) | 1.01 (0.70–1.48) | 1.00 (0.68–1.46) | 1.01 (0.69–1.48) |
| Divorce/breakup | 56 (2.9%) | 0.76 (0.48–1.21) | 0.97 (0.61–1.54) | 0.67 (0.47–0.96) | 0.85 (0.60–1.21) | 0.67 (0.47–0.96) | 0.86 (0.60–1.22) |
| Adultery/rejection | 38 (2.3%) | 0.65 (0.39–1.08) | 0.76 (0.46–1.26) | 0.54 (0.36–0.81) | 0.63 (0.43–0.94) | 0.54 (0.36–0.81) | 0.64 (0.43–0.95) |
| Child taken away from you | 9 (10.8%) | 3.36 (1.37–8.22) | 1.25 (0.54–2.93) | 2.67 (1.38–5.17) | 1.06 (0.56–2.01) | 2.67 (1.38–5.17) | 1.07 (0.56–2.02) |
| Child with serious disability | 24 (4.0%) | 1.20 (0.66–2.18) | 1.15 (0.63–2.08) | 1.06 (0.67–1.69) | 1.06 (0.67–1.67) | 1.06 (0.67–1.69) | 1.06 (0.67–1.67) |
| Stillbirth | 21 (8.0%) | 2.38 (1.32–4.30) | 2.81 (1.59–4.97) | 1.99 (1.23–3.20) | 2.39 (1.52–3.76) | 1.99 (1.23–3.20) | 2.42 (1.54–3.82) |
| Other difficult birth experience | 8 (1.2%) | 0.32 (0.14–0.79) | 0.49 (0.21–1.17) | 0.27 (0.13–0.55) | 0.40 (0.19–0.82) | 0.27 (0.13–0.55) | 0.40 (0.19–0.82) |
| Occurrence of Worst Life Stressor^c | | | | | | | |
| Once | 536 (5.0%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| More than once | 1359 (8.5%) | 1.93 (1.71–2.17) | 1.60 (1.42–1.80) | 1.78 (1.62–1.96) | 1.49 (1.35–1.64) | 1.77 (1.60–1.96) | 1.49 (1.34–1.65) |
| Unknown | 31 | - | - | 0.93 (0.65–1.33) | 0.91 (0.54–1.52) | - | - |
| Temporal Proximity to Worst Life Stressor^{a,d} | | | | | | | |
| ≥20 years | 399 (5.2%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| 10–19 years | 326 (5.8%) | 1.10 (0.93–1.30) | 1.19 (1.01–1.41) | 1.11 (0.96–1.28) | 1.19 (1.04–1.37) | 1.12 (0.96–1.30) | 1.19 (1.02–1.39) |
| 5–9 years | 322 (7.7%) | 1.47 (1.24–1.74) | 1.49 (1.27–1.76) | 1.47 (1.27–1.69) | 1.50 (1.31–1.72) | 1.47 (1.26–1.72) | 1.50 (1.28–1.76) |
| 2–4 years | 371 (8.9%) | 1.69 (1.43–1.99) | 1.66 (1.42–1.95) | 1.70 (1.49–1.95) | 1.67 (1.47–1.90) | 1.70 (1.46–1.98) | 1.67 (1.43–1.95) |
| 0–1 year | 452 (9.9%) | 1.90 (1.62–2.22) | 1.86 (1.59–2.16) | 1.89 (1.66–2.15) | 1.84 (1.63–2.09) | 1.85 (1.54–2.23) | 1.81 (1.51–2.17) |
| Unknown | 56 | - | - | 0.93 (0.71–1.22) | 1.06 (0.81–1.38) | - | - |
| Age at Worst Life Stressor (First Occurrence)^{a,d} | | | | | | | |
| Adulthood (age ≥40) | 81 (4.5%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Young adulthood (age 20–39) | 343 (6.8%) | 1.51 (1.15–1.98) | 1.53 (1.17–2.01) | 1.51 (1.19–1.91) | 1.50 (1.18–1.90) | 1.06 (0.58–1.94) | 1.05 (0.62–1.76) |
| Adolescence (age 13–19) | 373 (10.9%) | 2.38 (1.81–3.13) | 1.98 (1.51–2.61) | 2.42 (1.92–3.06) | 1.94 (1.54–2.45) | 1.62 (0.85–3.09) | 1.31 (0.76–2.27) |
| Childhood (age 4–12) | 470 (9.9%) | 2.25 (1.72–2.94) | 2.27 (1.73–2.98) | 2.19 (1.74–2.76) | 2.14 (1.69–2.69) | 1.34 (0.60–2.97) | 1.32 (0.65–2.67) |
| Infancy/Toddlerhood (age 0–3) | 73 (14.4%) | 2.75 (1.89–4.00) | 2.23 (1.53–3.23) | 3.20 (2.37–4.33) | 2.48 (1.84–3.35) | 1.61 (0.60–4.29) | 1.43 (0.63–3.24) |
| Unknown | 586 | - | - | 1.11 (0.88–1.39) | 1.48 (1.18–1.86) | - | - |
| Probable PTSD^c | | | | | | | |
| No | 502 (2.2%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Yes | 1424 (31.1%) | 13.86 (13.17–16.76) | 12.21 (10.71–13.93) | 13.30 (12.06–14.67) | 11.00 (9.88–12.23) | 13.30 (12.06–14.67) | 11.07 (9.94–12.32) |
| Severe Sleep Problems^c | | | | | | | |
| No | 758 (3.7%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Yes | 1166 (17.9%) | 5.53 (4.97–6.15) | 4.09 (3.64–4.59) | 4.93 (4.53–5.38) | 3.69 (3.36–4.05) | 4.93 (4.52–5.37) | 3.71 (3.37–4.08) |
| Unknown | 2 | - | - | 1.13 (0.29–4.43) | 0.83 (0.21–3.20) | - | - |
| Depressive Symptoms^c | | | | | | | |
| Mild/moderate | 451 (2.5%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |

| | | | | | | | |
|--------------------------------------|-------------|----------------------------|--------------------------|----------------------------|-------------------------|--------------------------|-------------------------|
| Moderately severe | 927 (13.9%) | 6.07 (5.31–6.94) | 4.90 (4.26–5.64) | 5.27 (4.71–5.89) | 4.26 (3.79–4.78) | 4.94 (4.23–5.77) | 4.00 (3.40–4.71) |
| Severe | 455 (32.3%) | 14.01 (12.08–16.26) | 9.47 (8.02–11.18) | 11.89 (10.52–13.43) | 7.87 (6.86–9.02) | 9.66 (7.67–12.17) | 6.70 (5.30–8.46) |
| Unknown | 93 | - | - | 2.95 (2.38–3.66) | 2.55 (2.06–3.15) | - | - |
| Suicidal Ideation^c | | | | | | | |
| No | 1034 (4.7%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Yes | 769 (19.5%) | 3.84 (3.44–4.29) | 2.69 (2.39–3.02) | 3.62 (3.30–3.97) | 2.56 (2.33–2.82) | 2.30 (2.79–3.89) | 2.42 (2.05–2.86) |
| Unknown | 123 | - | - | 1.58 (1.32–1.90) | 1.37 (1.15–1.64) | - | - |
| Suicidal Attempts^c | | | | | | | |
| No | 1361 (5.9%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Yes | 216 (36.8%) | 4.82 (4.15–5.59) | 2.67 (2.28–3.14) | 4.77 (4.19–5.43) | 2.69 (2.35–3.09) | 2.49 (1.66–3.74) | 1.84 (1.32–2.58) |
| Unknown | 349 | - | - | 1.42 (1.26–1.60) | 1.31 (1.17–1.47) | - | - |
| Self-Harm^c | | | | | | | |
| No | 1308 (5.5%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Yes | 500 (23.8%) | 4.59 (4.02–5.23) | 2.91 (2.54–3.34) | 3.54 (3.18–3.94) | 2.46 (2.21–2.75) | 3.04 (2.42–3.83) | 2.25 (1.82–2.77) |
| Unknown | 118 | - | - | 1.45 (1.21–1.74) | 1.28 (1.08–1.52) | - | - |
| Anxiety Symptoms^c | | | | | | | |
| Minimal/mild | 678 (3.4%) | Ref. | Ref. | Ref. | Ref. | Ref. | Ref. |
| Moderate | 522 (14.6%) | 4.61 (4.03–5.27) | 3.71 (3.24–4.26) | 4.09 (3.66–4.57) | 3.32 (2.97–3.72) | 3.88 (3.36–4.50) | 3.19 (2.73–3.72) |
| Severe | 634 (26.0%) | 8.05 (7.09–9.14) | 5.85 (5.11–6.70) | 7.10 (6.39–7.89) | 5.15 (4.60–5.76) | 6.15 (5.10–7.42) | 4.61 (3.77–5.64) |
| Unknown | 92 | - | - | 2.17 (1.76–2.68) | 1.89 (1.54–2.32) | - | - |

* Missing values are both “can/will not answer” or not available.

^a Prevalence ratio (PR) are presented as crude instead as age adjusted. ^b Adjusted for age, marital status, education, personal income, employment status, no. of LEC-5 life stressors, and temporal proximity to worst life stressor. ^c Adjusted for age, marital status, education, personal income, employment status, and temporal proximity to worst life stressor.

^d Adjusted for marital status, education, personal income, employment status, no. of LEC-5 life stressors, and temporal proximity to worst life stressor.

Table S3. The stratified analysis by age groups on the association between TASD and sociodemographic characteristics, health-related behaviors, trauma-related outcomes, and psychopathologies, using complete cases with multivariate adjustment.

| | Age 18–39 (n=7599) | Age 40–59 (n=9695) | Age 60–69 (n=3170) | Effect Modifica tion Test (p) |
|---|----------------------------|--------------------------|---------------------------|--|
| | RR (95% CI) | RR (95% CI) | RR (95% CI) | |
| Relationship Status | | | | 0.27 |
| Married or in a relationship | Ref. | Ref. | Ref. | |
| Single or widowed | 1.37 (1.20–1.58) | 1.28 (1.06–1.54) | 1.01 (0.72–1.43) | |
| Education | | | | 0.00 |
| Tertiary level B | Ref. | Ref. | Ref. | |
| Tertiary level A | 0.86 (0.65–1.15) | 0.86 (0.65–1.15) | 1.27 (0.72–2.24) | |
| Secondary | 1.49 (1.15–1.93) | 1.48 (1.09–1.99) | 1.11 (0.64–1.91) | |
| Primary | 1.99 (1.53–2.59) | 1.58 (1.14–2.21) | 0.99 (0.55–1.79) | |
| Personal Income | | | | 0.11 |
| ≥5601 EUR | Ref. | Ref. | Ref. | |
| 4001–5600 EUR | 1.00 (0.65–1.52) | 1.58 (1.07–2.34) | 0.53 (0.25–1.11) | |
| 2401–4000 EUR | 1.49 (1.15–1.93) | 1.77 (1.22–2.58) | 0.77 (0.41–1.43) | |
| 1201–2400 EUR | 1.56 (1.06–2.28) | 2.04 (1.39–3.00) | 0.86 (0.47–1.60) | |
| <1200 EUR | 1.61 (1.08–2.40) | 2.01 (1.07–3.77) | 1.89 (0.84–4.26) | |
| Employment Status* | | | | 0.00 |
| Employed/studying | Ref. | Ref. | Ref. | |
| Unemployed | 1.49 (1.08–2.05) | 1.41 (0.75–2.63) | ~ | |
| Staying at home/maternity leave/sick leave/retired | 1.02 (0.81–1.30) | 1.86 (1.34–2.59) | 1.18 (0.76–1.83) | |
| On disability | 1.62 (1.32–1.98) | 1.94 (1.57–2.40) | 2.51 (1.73–3.66) | |
| Smoking | | | | 0.29 |
| Never | Ref. | Ref. | Ref. | |
| Previous smoker | 1.26 (1.09–1.53) | 1.04 (0.84–1.30) | 1.15 (0.77–1.73) | |
| Non-daily | 1.47 (1.16–1.85) | 1.72 (1.21–2.46) | 1.53 (0.69–3.40) | |
| Daily | 1.54 (1.28–1.86) | 1.66 (1.30–2.14) | 2.04 (1.26–3.30) | |
| Binge Drinking in the Past Year | | | | 0.18 |
| Never | Ref. | Ref. | Ref. | |
| Less than once a month | 1.19 (1.01–1.41) | 1.15 (0.94–1.40) | 1.26 (0.88–1.81) | |
| Monthly | 1.48 (1.21–1.80) | 1.47 (1.07–2.01) | 0.46 (0.15–1.42) | |
| Once or more a week | 1.51 (1.14–2.00) | 2.18 (1.60–2.97) | 1.18 (0.50–2.79) | |
| No. of LEC-5 Life Stressors | | | | 0.17 |
| 0 | Ref. | Ref. | Ref. | |
| 1 | 2.58 (1.41–4.71) | 1.25 (0.71–2.22) | 1.62 (0.59–4.46) | |
| 2–3 | 7.08 (4.08–12.30) | 2.65 (1.61–4.36) | 2.90 (1.16–7.21) | |
| 4–5 | 13.70 (7.89–23.81) | 5.23 (3.18–8.60) | 5.86 (2.35–14.62) | |
| ≥6 | 19.93 (11.36–34.98) | 8.92 (5.35–14.86) | 12.14 (4.77–30.92) | |
| Worst LEC-5 Life Stressors* | | | | 0.00 |
| Natural disaster, fire, explosion, or serious accident | Ref. | Ref. | Ref. | |
| Physical violence | 2.19 (1.28–3.74) | 2.67 (1.49–4.79) | 2.33 (0.87–6.22) | |
| Sexual violence | 3.22 (1.97–5.27) | 3.38 (1.96–5.82) | 2.62 (1.04–6.60) | |
| Other unwanted sexual experience | 1.14 (0.62–2.08) | 2.06 (1.08–3.93) | 2.11 (0.73–6.06) | |
| Life-threatening illness or injury | 1.59 (0.92–2.76) | 1.70 (0.96–3.01) | 1.51 (0.59–3.84) | |
| Sudden violent death | 1.87 (1.04–3.34) | 2.56 (1.37–4.79) | 1.66 (0.55–4.98) | |
| Sudden death due to accident | 2.22 (1.23–4.01) | 1.66 (0.85–3.25) | 1.83 (0.67–4.99) | |
| Other experience | 1.40 (0.82–2.39) | 1.58 (0.89–2.81) | 1.25 (0.46–3.39) | |
| Other Worst Life Stressors | | | | |
| Bullying | 0.83 (0.45–1.53) | 1.16 (0.57–2.36) | 0.92 (0.26–3.32) | |

| | | | | |
|---|---------------------------|----------------------------|---------------------------|------|
| Discrimination/humiliation | 0.83 (0.38–1.83) | 1.10 (0.49–2.48) | 2.19 (0.67–7.15) | |
| Divorce/breakup | 0.59 (0.27–1.28) | 1.41 (0.73–2.75) | 0.98 (0.30–3.18) | |
| Adultery/rejection | 0.76 (0.37–1.56) | 0.84 (0.39–1.83) | 0.50 (0.10–2.46) | |
| Child with serious disability | 0.86 (0.30–2.46) | 1.19 (0.51–2.79) | 1.81 (0.44–7.47) | |
| Stillbirth | 2.20 (0.96–5.02) | 3.84 (1.64–9.03) | 1.74 (0.21–14.28) | |
| Occurrence of Worst Life Stressor | | | | 0.04 |
| Once | Ref. | Ref. | Ref. | |
| More than once | 1.21 (1.04–1.40) | 1.59 (1.28–1.97) | 0.99 (0.69–1.41) | |
| Temporal Proximity to Worst Life Stressor | | | | 0.30 |
| ≥20 years | Ref. | Ref. | Ref. | |
| 10–19 years | 1.05 (0.78–1.42) | 1.03 (0.80–1.31) | 1.05 (0.65–1.69) | |
| 5–9 years | 1.36 (1.02–1.81) | 1.10 (0.83–1.45) | 0.99 (0.50–1.94) | |
| 2–4 years | 1.60 (1.21–2.12) | 1.06 (0.79–1.41) | 1.32 (0.79–2.22) | |
| 0–1 year | 1.74 (1.31–2.30) | 1.22 (0.94–1.58) | 1.98 (1.26–3.13) | |
| Age at Worst Life Stressor (First Occurrence)* | | | | 0.11 |
| Adulthood and young adulthood (age ≥20) | Ref. | Ref. | Ref. | |
| Adolescence (age 13–19) | 1.04 (0.83–1.29) | 1.03 (0.78–1.35) | 1.18 (0.68–2.05) | |
| Childhood (age 4–12) | 1.01 (0.82–1.25) | 1.20 (0.96–1.52) | 1.48 (0.96–2.30) | |
| Infancy/Toddlerhood (age 0–3) | 0.94 (0.61–1.42) | 1.49 (0.96–2.33) | 1.87 (0.77–4.55) | |
| Probable PTSD | | | | 0.52 |
| No | Ref. | Ref. | Ref. | |
| Yes | 11.37 (9.55–13.55) | 12.88 (10.51–15.78) | 13.55 (9.55–19.25) | |
| Severe Sleep Problems | | | | 0.88 |
| No | Ref. | Ref. | Ref. | |
| Yes | 4.08 (3.52–4.73) | 4.14 (3.41–5.03) | 3.76 (2.69–5.25) | |
| Depressive Symptoms | | | | 0.15 |
| Mild/moderate | Ref. | Ref. | Ref. | |
| Moderately severe | 4.50 (3.71–5.44) | 5.16 (4.12–6.46) | 5.51 (3.89–7.79) | |
| Severe | 8.05 (6.52–9.93) | 11.69 (9.07–15.07) | 9.73 (5.72–16.55) | |
| Suicidal Ideation | | | | 0.19 |
| No | Ref. | Ref. | Ref. | |
| Yes | 2.52 (2.19–2.91) | 2.88 (2.37–3.49) | 3.53 (2.43–5.13) | |
| Suicidal Attempts | | | | 0.06 |
| No | Ref. | Ref. | Ref. | |
| Yes | 2.62 (2.21–3.11) | 2.79 (1.94–4.01) | 6.04 (3.12–11.70) | |
| Self-Harm | | | | 0.43 |
| No | Ref. | Ref. | Ref. | |
| Yes | 2.82 (2.44–3.27) | 3.27 (2.51–4.28) | 4.67 (1.59–13.75) | |
| Anxiety Symptoms | | | | 0.62 |
| Minimal/mild | Ref. | Ref. | Ref. | |
| Moderate | 3.55 (2.96–4.27) | 3.70 (2.96–4.63) | 4.31 (2.95–6.31) | |
| Severe | 5.42 (4.56–6.44) | 6.18 (5.00–7.64) | 7.39 (4.93–11.07) | |

* some subcategories from main analysis have been combined due to small numbers, ~ the event did not occur in either 'TASD' or 'no TASD' group. Effect measure modification is expressed with p-values from likelihood ratios tests.