



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

LASAB021 / LASAC021

| name | label | values |
|-------------|--|---|
| b/cmmemory1 | Problems with memory | na, asked(-1), no(1), yes(2) |
| b/cmmemory2 | Consulted doctor for memory problems | na, wrong skip(-3), na, see B/CMEMORY1(-2), na, asked(-1), no(1), yes(2) |
| b/cmmse01 | MMSE item01: Year | na, asked(-1), wrong(1), correct(2) |
| b/cmmse02 | MMSE item02: Season | na, asked(-1), wrong(1), correct(2) |
| b/cmmse03 | MMSE item03: Date | na, asked(-1), wrong(1), correct(2) |
| b/cmmse04 | MMSE item04: Day of the week | na, asked(-1), wrong(1), correct(2) |
| b/cmmse05 | MMSE item05: Month | na, asked(-1), wrong(1), correct(2) |
| b/cmmse06 | MMSE item06: Province | na, asked(-1), wrong(1), correct(2) |
| b/cmmse07 | MMSE item07: Municipality | na, asked(-1), wrong(1), correct(2) |
| b/cmmse08 | MMSE item08: Two main streets | na, asked(-1), wrong(1), correct(2) |
| b/cmmse09 | MMSE item09: Floor | na, asked(-1), wrong(1), correct(2) |
| b/cmmse10 | MMSE item10: Address | na, asked(-1), wrong(1), correct(2) |
| b/cmmse11 | MMSE item11: Three objects | na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| b/cmmse12 | MMSE item12: subtraction of 7 | na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| b/cmmse13 | MMSE item13: Spelling backwards | na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| b/cmmse14 | MMSE item14: Remembering three objects | na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| b/cmmse15 | MMSE item15: Watch | na, asked(-1), wrong(1), correct(2) |
| b/cmmse16 | MMSE item16: Pencil | na, asked(-1), wrong(1), correct(2) |
| b/cmmse17 | MMSE item17: Remember sentence | na, asked(-1), wrong(1), correct(2) |
| b/cmmse18 | MMSE item18: close eyes | na, asked(-1), wrong(1), correct(2) |
| b/cmmse19 | MMSE item19: paper (1): Right hand | na, asked(-1), wrong(1), correct(2) |
| b/cmmse20 | MMSE item20: paper (2): Folds | na, asked(-1), wrong(1), correct(2) |
| b/cmmse21 | MMSE item21: paper (3): In lap | na, asked(-1), wrong(1), correct(2) |
| b/cmmse22 | MMSE item22: Write sentence | na, asked(-1), wrong(1), correct(2) |
| b/cmmse23 | MMSE item23: Drawing | na, asked(-1), wrong(1), correct(2) |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASAI021

| name | Label | values |
|------------------------|--------------------------------------|--|
| d/e/b/f/g/h/b/imemory1 | Problems with memory | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), no(1), yes(2) |
| d/e/b/f/g/h/b/imemory2 | Consulted doctor for memory problems | na, wrong skip(-3), na, see D/E/B/F/G/H/B/IMMEMORY1(-2), na, asked(-1), no(2), yes(2) |
| d/e/b/f/g/h/b/immse01 | MMSE item01: Year | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse02 | MMSE item02: Season | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse03 | MMSE item03: Date | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse04 | MMSE item04: Day of the week | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse05 | MMSE item05: Month | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse06 | MMSE item06: Province | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse07 | MMSE item07: Municipality | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse08 | MMSE item08: Two main streets | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse09 | MMSE item09: Floor | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse10 | MMSE item10: Address | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse11 | MMSE item11: Three objects | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| d/e/b/f/g/h/b/immse12 | MMSE item12: subtraction of 7 | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| d/e/b/f/g/h/b/immse13 | MMSE item13: Spelling backwards | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), 0 right(0), 1 |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

| | | |
|-----------------------|--|--|
| | | right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| d/e/b/f/g/h/b/immse14 | MMSE item14: Remembering three objects | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| d/e/b/f/g/h/b/immse15 | MMSE item15: Watch | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse16 | MMSE item16: Pencil | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse17 | MMSE item17: Remember sentence | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse18 | MMSE item18: close eyes | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse19 | MMSE item19: paper (1): Right hand | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse20 | MMSE item20: paper (2): Folds | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse21 | MMSE item21: paper (3): In lap | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse22 | MMSE item22: Write sentence | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |
| d/e/b/f/g/h/b/immse23 | MMSE item23: Drawing | na, see D/E/B/F/G/H/B/IMMSESC in LAS(A)*221(-2), na, asked(-1), wrong(1), correct(2) |

LASMB021

| name | Label | values |
|----------|--------------------------------------|--|
| bmmsevrs | MMSE version | MMSE version(-2), regular version MMSE(1), regular version MMSE(2) |
| bmemory1 | Problems with memory | na, see BMMSESC in LASMB221(-2), na, asked(-1), no(1), yes(2) |
| bmemory2 | Consulted doctor for memory problems | na, wrong skip(-3), na, see BMEMORY1(-2), na, asked(-1), no(2), yes(2) |
| bmmse01 | MMSE: Year | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse02 | MMSE: Season | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

| | | |
|----------|--|---|
| bmmse03 | MMSE: Day of the month | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse04 | MMSE: Day of the week | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse05 | MMSE: Month | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse06 | MMSE: Country | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse07 | MMSE: City/Village | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse08 | MMSE: District/neighbourhood | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse09 | MMSE: Floor | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse10 | MMSE: Address | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse11 | MMSE: Three objects | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| bmmse12 | MMSE: Subtraction of 3 | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse13 | MMSE: Days in reverse order/spelling backwards | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| bmmse14 | MMSE: Remembering three objects | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| bmmse15 | MMSE: Watch | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse16 | MMSE: Pencil | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse17 | MMSE: Remember sentence | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse18 | MMSE: Close eyes | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse19 | MMSE: Paper (1): Right hand | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse20 | MMSE: Paper (2): Folds | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse21 | MMSE: Paper (3): In lap | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse22 | MMSE: Write sentence | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bmmse23 | MMSE: Drawing | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse01 | Illiterate MMSE: Part of the day | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse02 | Illiterate MMSE: Season | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse03 | Illiterate MMSE: Part of the | na, see BMMSEVRS(-2), na, asked(-1), |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

| | | |
|----------|--|---|
| | month | wrong(1), correct(2) |
| bimmse04 | Illiterate MMSE: Day of the week | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse05 | Illiterate MMSE: Month | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse06 | Illiterate MMSE: Country | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse07 | Illiterate MMSE: City/Village | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse08 | Illiterate MMSE: District/neighbourhood | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse09 | Illiterate MMSE: Floor | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse10 | Illiterate MMSE: Address | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse11 | Illiterate MMSE: Three objects | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| bimmse13 | Illiterate MMSE: Days of the week in reverse order | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3), 4 right(4), 5 right(5) |
| bimmse14 | Illiterate MMSE: Remembering three objects | Na, see BMMSEVRS(-2), na, asked(-1), 0 right(0), 1 right(1), 2 right(2), 3 right(3) |
| bimmse15 | Illiterate MMSE: Watch | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse16 | Illiterate MMSE: Pencil | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse17 | Illiterate MMSE: Remember sentence | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse18 | Illiterate MMSE: Close eyes | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse19 | Illiterate MMSE: Paper (1): Right hand | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse20 | Illiterate MMSE: Paper (2): Folds | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse21 | Illiterate MMSE: Paper (3): In lap | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse22 | Illiterate MMSE: Formulate question | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |
| bimmse23 | Illiterate MMSE: Drawing | na, see BMMSEVRS(-2), na, asked(-1), wrong(1), correct(2) |

LASAB221

| name | label | values |
|----------|--------------------------------------|---|
| bmmse021 | MMSE-score based on maximum spel/num | no scale (too many missing)(-2), low(2), high(30) |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

LASAC221

| name | label | values |
|---------|--------------------------------------|---|
| cmmsesc | MMSE-score based on maximum spel/num | no scale (too many missing)(-2), low(1), high(30) |

LASAD221 / LASAE221 / LAS2B221 / LASAF221 / LASAG221 / LASAH221 / LAS3B221 / LASAI221

| name | label | values |
|------------------------|--------------------------------------|---|
| d/e/b/f/g/h/b/immmsesc | MMSE-score based on maximum spel/num | interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |

LASMB221

| name | label | values |
|-----------|---|--|
| bmmmsesc1 | MMSE-score based on maximum spel/num | na, see BMMSEVRS(-5), na, no valid data(-4), interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |
| bmmmsesc2 | Illiterate MMSE-score based on spelling | na, see BMMSEVRS(-5), na, no valid data(-4), interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |

LASAB421

| name | label | values |
|-----------|---------------------------------|---|
| bmmmsesc1 | MMSE-score based on subtraction | no scale (too many missing)(-2), low(2), high(30) |
| bmmmsesc2 | MMSE-score based on spelling | no scale (too many missing)(-2), low(2), high(30) |

LASAC421

| name | label | values |
|----------|---------------------------------|---|
| cmmsesc1 | MMSE-score based on subtraction | no scale (too many missing)(-2), low(1), high(30) |
| cmmsesc2 | MMSE-score based on spelling | no scale (too many missing)(-2), low(1), high(30) |



Variable information: LASAB021 / LASAC021 / LASAD021 / LASAE021 / LAS2B021 / LASAF021 / LASAG021 / LASAH021 / LAS3B021 / LASMB021 / LASAI021;
 LAS(A)*221 (scores based on **max.** spelling, mmse13 **or** subtraction, mmse12, except Migrants, see below);
 LAS(A)*421 (scores based on subtraction **and** spelling, except Migrants, see below)

LASAD421 / LASAE421 / LAS2B421 / LASAF421 / LASAG421 / LASAH421 / LAS3B421 / LASAI421

| name | label | values |
|------------------------|---------------------------------|---|
| d/e/b/f/g/h/b/immsesc1 | MMSE-score based on subtraction | interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |
| d/e/b/f/g/h/b/immsesc2 | MMSE-score based on spelling | interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |

LASMB421

| name | label | values |
|-------------|---------------------------------|--|
| bmmsec1 | MMSE-score based on subtraction | na, see BMMSEVRS(-5), na, no valid data(-4), interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |
| bmmsec2 | MMSE-score based on spelling | na, see BMMSEVRS(-5), na, no valid data(-4), interview terminated(-3), no scale (too many missing)(-2), low(1), high(30) |