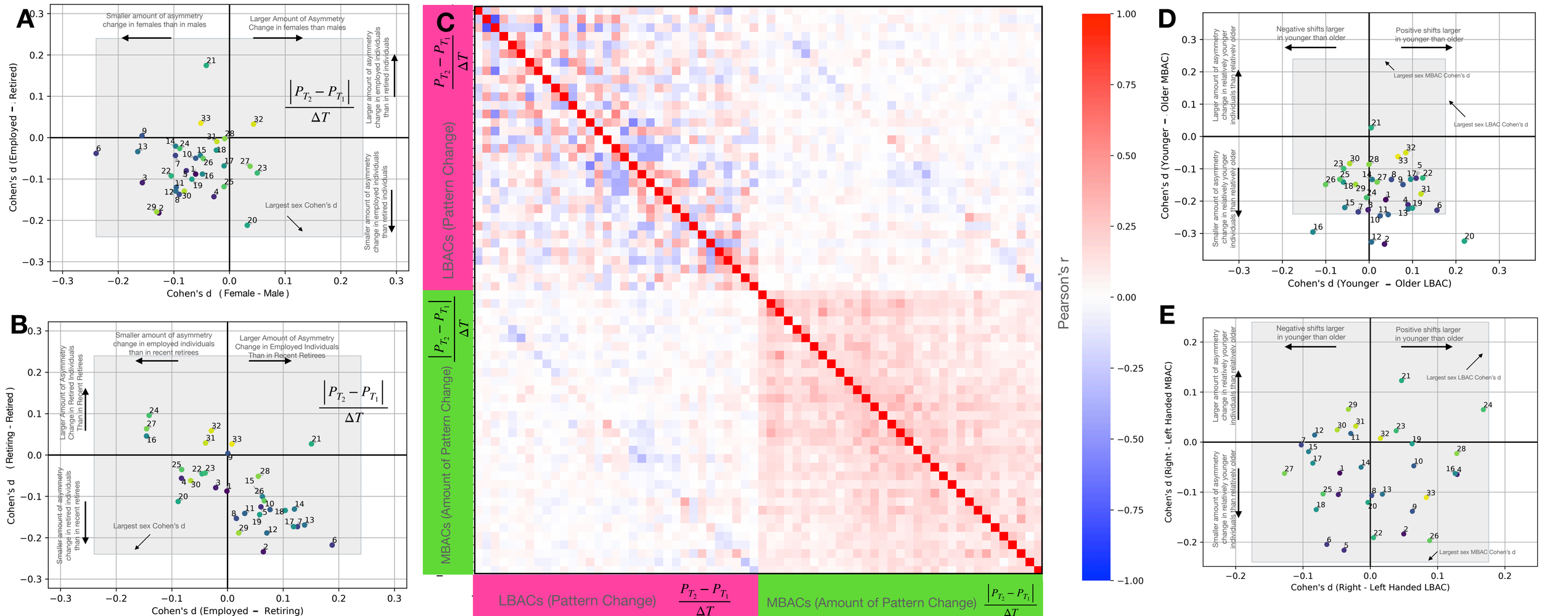
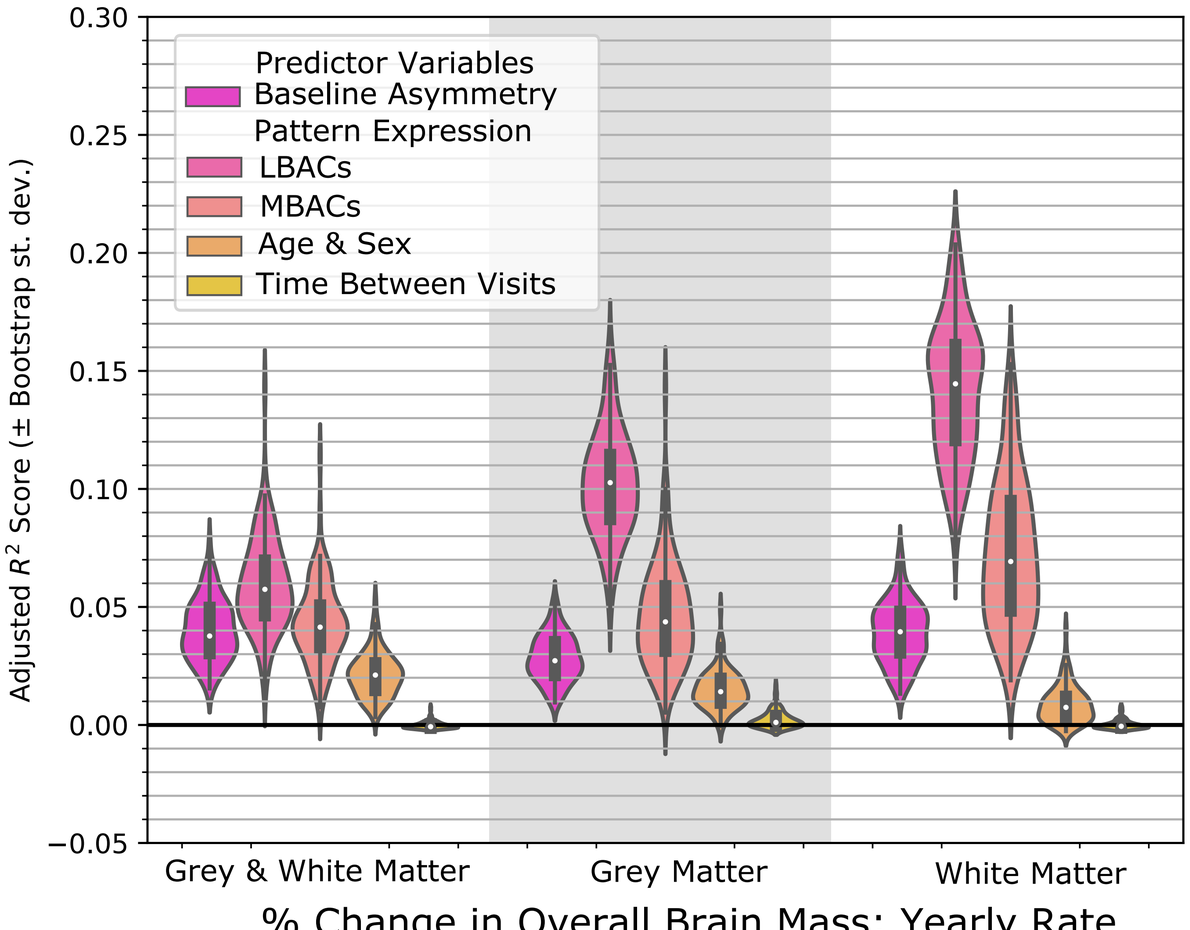
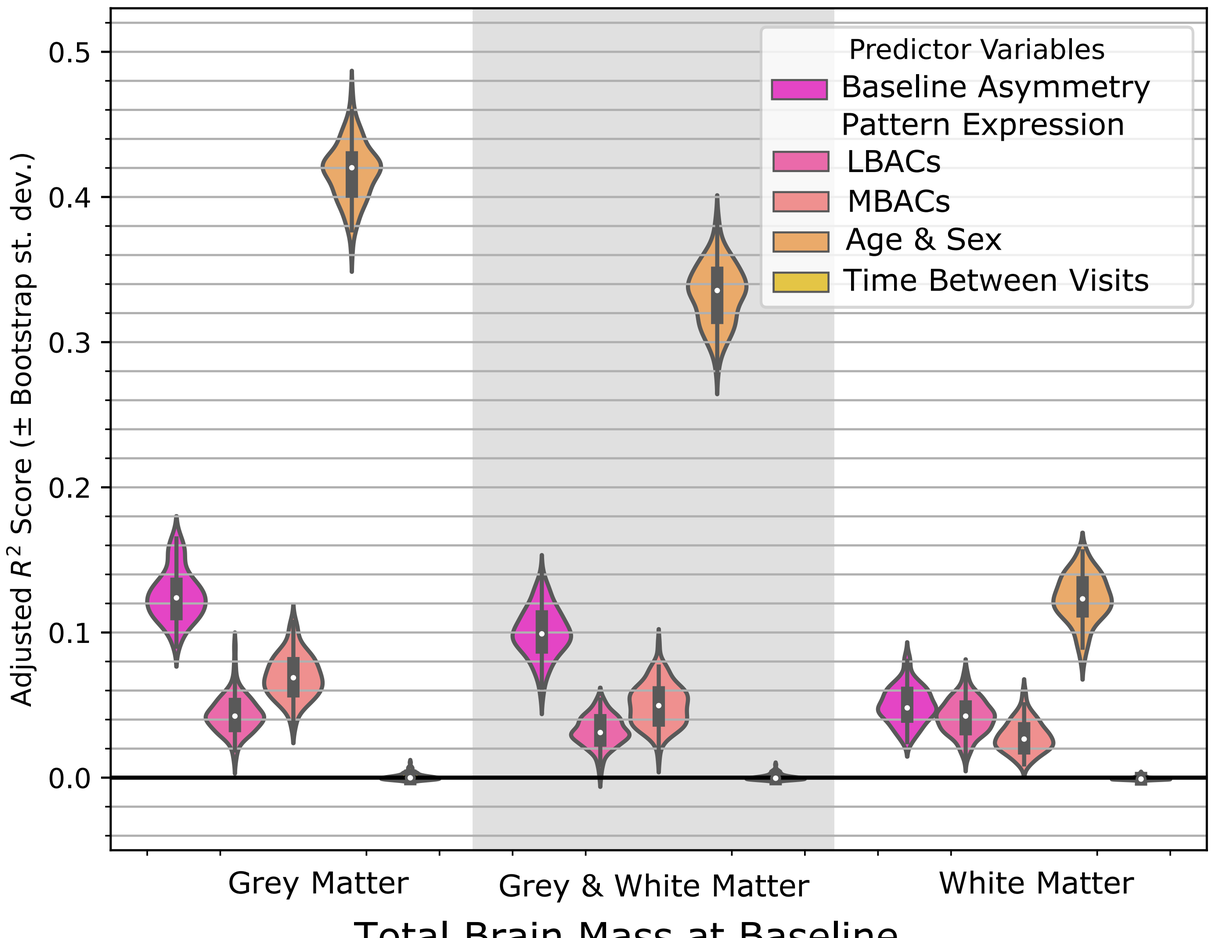
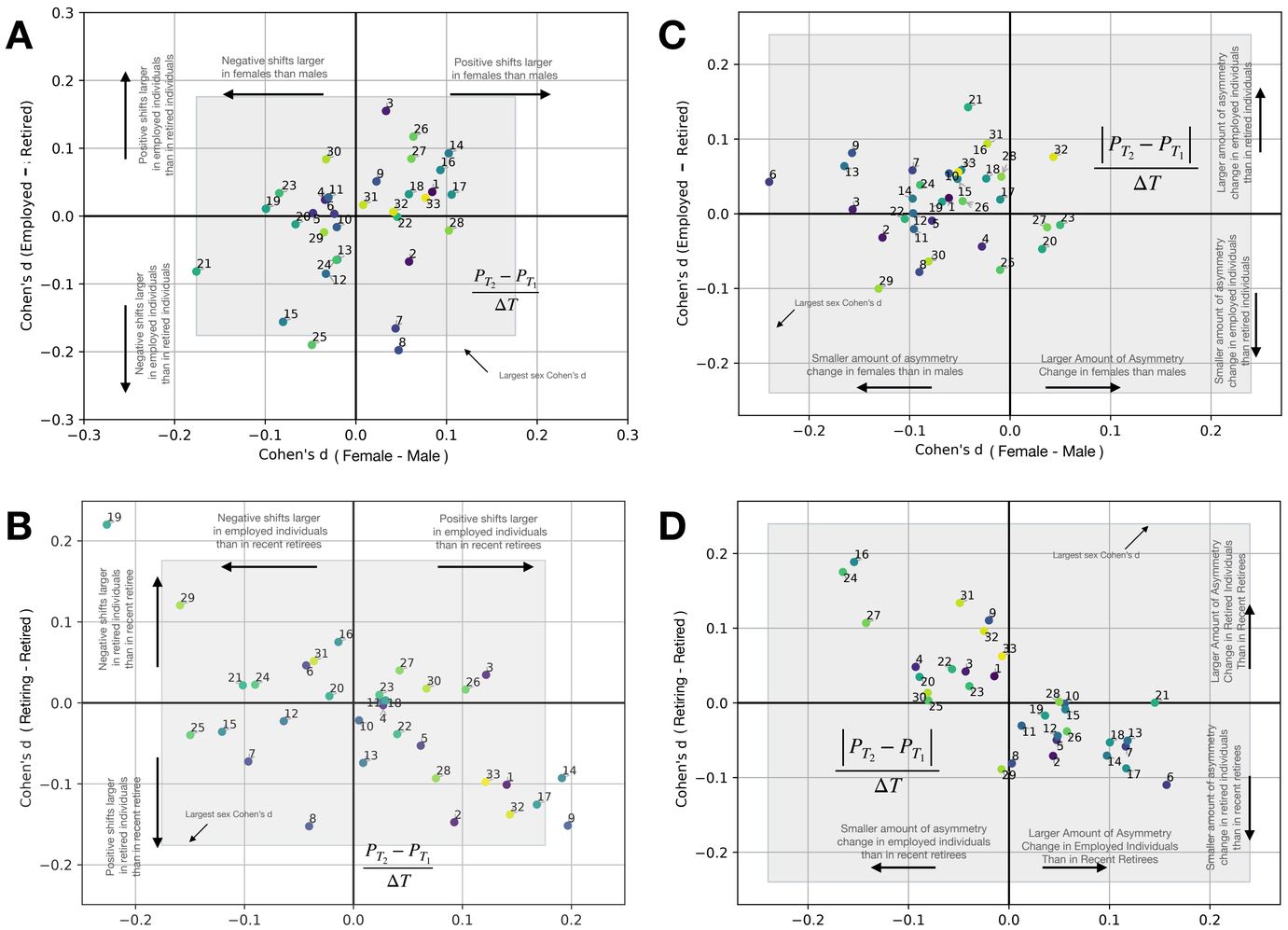
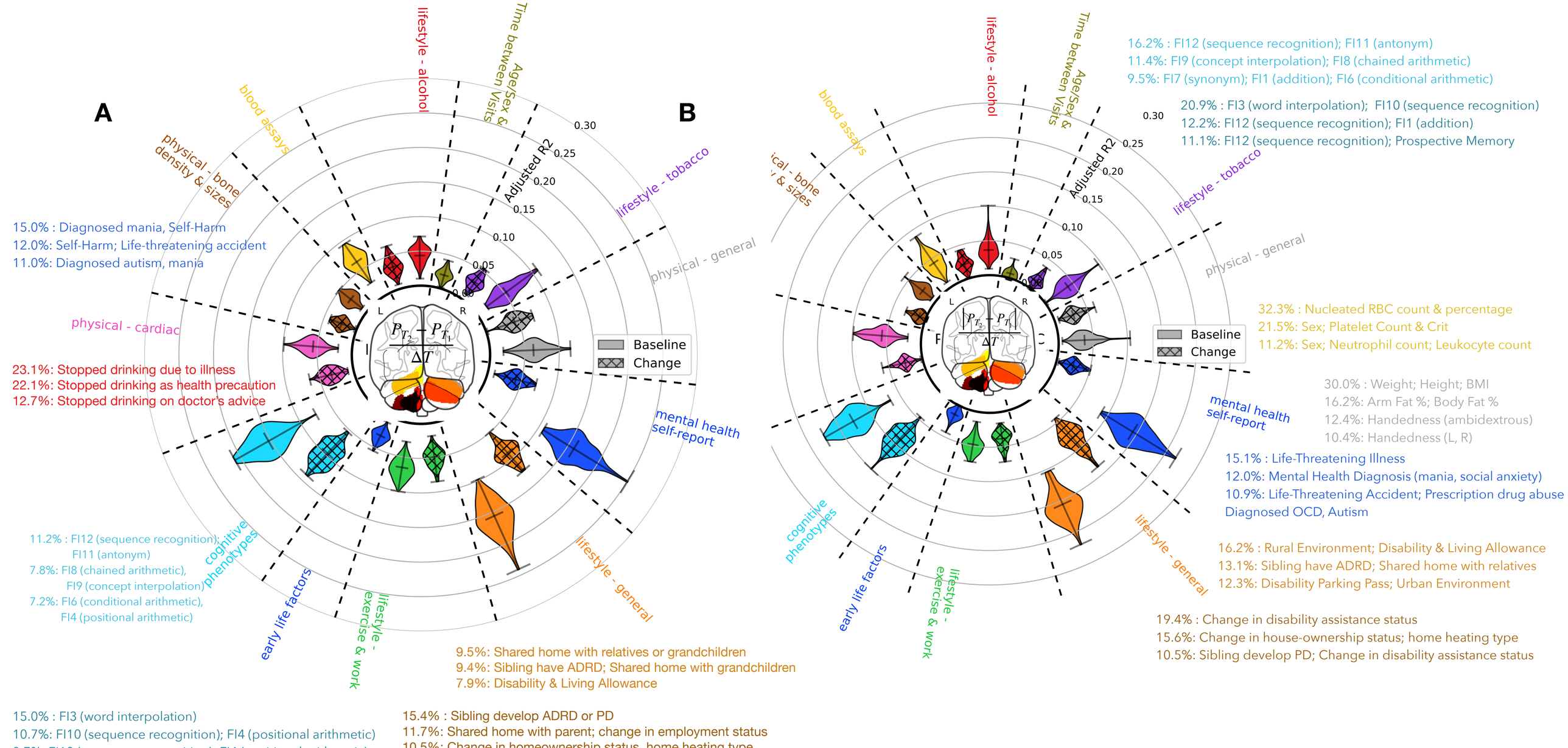

A
Smaller amount of asymmetry change in females than in males
Larger Amount of Asymmetry Change in females than males
Larger amount of asymmetry change in employed individuals than in retired individuals
Smaller amount of asymmetry change in employed individuals than retired individuals
Largest sex Cohen's d
Cohen's d (Employed - Retired)
Cohen's d (Female - Male)
B
Smaller amount of asymmetry change in employed individuals than in recent retirees
Larger Amount of Asymmetry Change in Employed Individuals Than in Recent Retirees
Larger Amount of Asymmetry Change in Retired Individuals Than in Recent Retirees
Smaller amount of asymmetry change in retired individuals than in recent retirees
Largest sex Cohen's d
Cohen's d (Retiring - Retired)
Cohen's d (Employed - Retiring)
C
LBACs (Pattern Change)
MBACs (Amount of Pattern Change)
Pearson's r
D
Negative shifts larger in younger than older
Positive shifts larger in younger than older
Larger amount of asymmetry change in relatively younger individuals than relatively older
Smaller amount of asymmetry change in relatively younger individuals than relatively older
Largest sex MBAC Cohen's d
Largest sex LBAC Cohen's d
Cohen's d (Younger - Older MBAC)
Cohen's d (Younger - Older LBAC)
E
Negative shifts larger in younger than older
Positive shifts larger in younger than older
Largest sex LBAC Cohen's d
Largest sex MBAC Cohen's d
Cohen's d (Right - Left Handed MBAC)
Cohen's d (Right - Left Handed LBAC)


Predictor Variables
Baseline Asymmetry
Pattern Expression
LBACs
MBACs
Age & Sex
Time Between Visits
Adjusted R^2 Score (± Bootstrap st. dev.)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
Grey & White Matter
Grey Matter
White Matter
% Change in Overall Brain Mass; Yearly Rate


Predictor Variables
Baseline Asymmetry
Pattern Expression
LBACs
MBACs
Age & Sex
Time Between Visits
Adjusted R^2 Score (± Bootstrap st. dev.)
0.5
0.4
0.3
0.2
0.1
0.0
Grey Matter
Grey & White Matter
White Matter
Total Brain Mass at Baseline


A
Negative shifts larger in females than males
Positive shifts larger in females than males
Positive shifts larger in employed individuals than in retired individuals
Negative shifts larger in employed individuals than in retired individuals
Largest sex Cohen's d
$\frac{P_{T_2} - P_{T_1}}{\Delta T}$
Cohen's d (Employed − Retired)
Cohen's d (Female - Male)
B
Negative shifts larger in employed individuals than in recent retirees
Positive shifts larger in employed individuals than in recent retirees
Negative shifts larger in retired individuals than in recent retiree
Positive shifts larger in retired individuals than in recent retiree
Largest sex Cohen's d
$\frac{P_{T_2} - P_{T_1}}{\Delta T}$
Cohen's d (Retiring - Retired)
Cohen's d (Employed − Retiring)
C
$\frac{|P_{T_2} - P_{T_1}|}{\Delta T}$
Larger amount of asymmetry change in employed individuals than in retired individuals
Smaller amount of asymmetry change in employed individuals than retired individuals
Largest sex Cohen's d
Smaller amount of asymmetry change in females than in males
Larger Amount of Asymmetry Change in females than males
Cohen's d (Employed − Retired)
Cohen's d (Female - Male)
D
Largest sex Cohen's d
$\frac{|P_{T_2} - P_{T_1}|}{\Delta T}$
Larger Amount of Asymmetry Change in Retired Individuals Than in Recent Retirees
Smaller amount of asymmetry change in retired individuals than in recent retirees
Smaller amount of asymmetry change in employed individuals than in recent retirees
Larger Amount of Asymmetry Change in Employed Individuals Than in Recent Retirees
Cohen's d (Retiring - Retired)
Cohen's d (Employed − Retiring)


A
B
Adjusted R2
0.00
0.05
0.10
0.15
0.20
0.25
0.30
Baseline
Change
L
R
$\frac{P_{T_2} - P_{T_1}}{\Delta T}$
lifestyle - alcohol
Time between Visits
Age/Sex & Visits
lifestyle - tobacco
physical - general
mental health self-report
lifestyle - general
lifestyle - exercise & work
early life factors
cognitive phenotypes
physical - cardiac
physical - bone density & sizes
blood assays
15.0% : Diagnosed mania, Self-Harm
12.0%: Self-Harm; Life-threatening accident
11.0%: Diagnosed autism, mania
23.1%: Stopped drinking due to illness
22.1%: Stopped drinking as health precaution
12.7%: Stopped drinking on doctor's advice
11.2% : FI12 (sequence recognition); FI11 (antonym)
7.8%: FI8 (chained arithmetic), FI9 (concept interpolation)
7.2%: FI6 (conditional arithmetic), FI4 (positional arithmetic)
9.5%: Shared home with relatives or grandchildren
9.4%: Sibling have ADRD; Shared home with grandchildren
7.9%: Disability & Living Allowance
15.0% : FI3 (word interpolation)
10.7%: FI10 (sequence recognition); FI4 (positional arithmetic)
8.7%: FI12 (sequence recognition); FI4 (positional arithmetic)
15.4% : Sibling develop ADRD or PD
11.7%: Shared home with parent; change in employment status
10.5%: Change in homeownership status, home heating type
16.2% : FI12 (sequence recognition); FI11 (antonym)
11.4%: FI9 (concept interpolation); FI8 (chained arithmetic)
9.5%: FI7 (synonym); FI1 (addition); FI6 (conditional arithmetic)
20.9% : FI3 (word interpolation); FI10 (sequence recognition)
12.2%: FI12 (sequence recognition); FI1 (addition)
11.1%: FI12 (sequence recognition); Prospective Memory
32.3% : Nucleated RBC count & percentage
21.5%: Sex; Platelet Count & Crit
11.2%: Sex; Neutrophil count; Leukocyte count
30.0% : Weight; Height; BMI
16.2%: Arm Fat %; Body Fat %
12.4%: Handedness (ambidextrous)
10.4%: Handedness (L, R)
15.1% : Life-Threatening Illness
12.0%: Mental Health Diagnosis (mania, social anxiety)
10.9%: Life-Threatening Accident; Prescription drug abuse
Diagnosed OCD, Autism
16.2% : Rural Environment; Disability & Living Allowance
13.1%: Sibling have ADRD; Shared home with relatives
12.3%: Disability Parking Pass; Urban Environment
19.4% : Change in disability assistance status
15.6%: Change in house-ownership status; home heating type
10.5%: Sibling develop PD; Change in disability assistance status