MAKE SHARE DATA GREAT AGAIN
xxxSHARE

SHARE-CZ
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xxxSHARE: Innovations

- geoSHARE (geographic data)

- neuroSHARE (neurodegenerative diseases)

- bioSHARE (biomarkers)
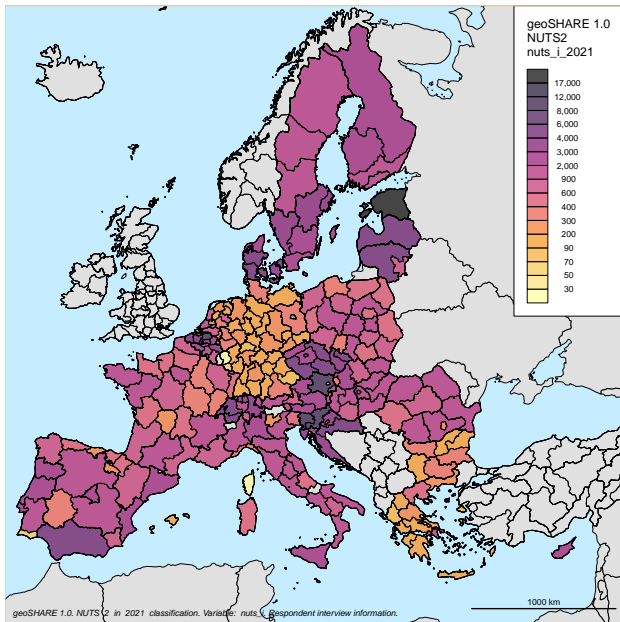
- geneSHARE (genetics)

- expoSHARE (exposomes)

- **xxx**

geoSHARE 1.0

▶ Data recovery

▶ Sampling

▶ Interview

	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8	Wave 9
AT	0	0	1	1	1	1	1	1	1
BE FR	0	1	1	0	0	1	1	1	1
BE NL	1	1	1	1	1	1	1	1	1
BG							0	0	1
CH	0	1	1	1	1	1	1	1	1
CY							0	1	1
CZ		1	1	1	1	1	1	1	1
DE	0	0	0	0	0	0	0	1	1
DK	1	1	1	1	1	1	1	1	1
EE				0	1	1	1	1	1
EL	0	0	0			0	0	0	1
ES	0	0	1	1	1	1	1	1	1
FI							1	1	1
FR	0	0	0	0	0	1	1	1	1
HR						1	1	1	1
HU				1			1	1	1
IL	1	1			1	1	1	1	1
IT	0	0	0	0	1	1	1	1	1
LT							1	1	1
LU					0	0	0	0	0
LV							1	1	1
MT							0	1	1
NL	0	0	0	0	0			1	1
PL		1	1	1	0	1	0	0	1
PT				1		1	1	1	1
RO							1	1	1
SE	0	0	1	1	1	1	1	1	1
SI				0	0	1	1	1	1
SK							1	1	1

geoSHARE 1.0

- ▶ NUTS 1-3
  SHARE-Covid19
  Horizon project

- ▶ Data access

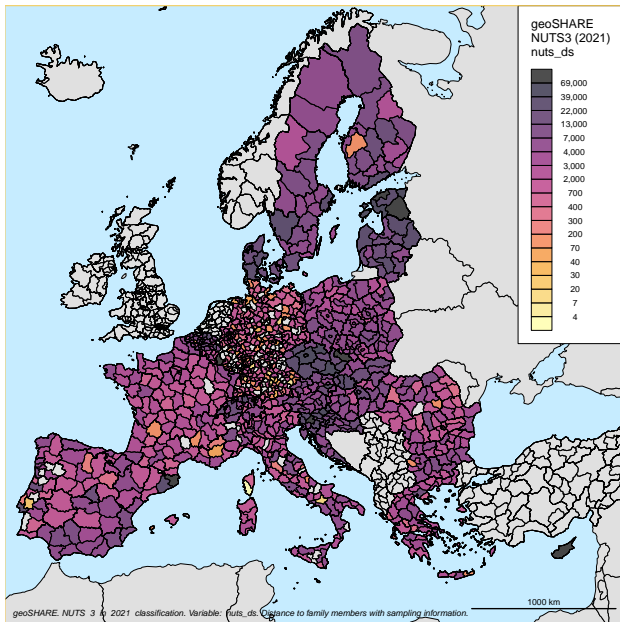- ▶ Other data?

- ▶ Municipality

- ▶ Postal codes

- ▶ Future

geoSHARE 1.0 NUTS 2 in 2021 classification. Variable: nuts_i, Respondent interview information.

geoSHARE: Household Episodes Panel

▶ Full geographic database

▶ Sampling

▶ Baseline and interview

▶ Life history

▶ Additional information: move, distance to children and parents

▶ R/HH geographic location every year

geoSHARE HEP

- `nuts_w`
  `nuts_ws`

- `nuts_lh`

- `nuts`
  `nuts_s`

- `nuts_d`
  `nuts_ds`

- Recover
  additional
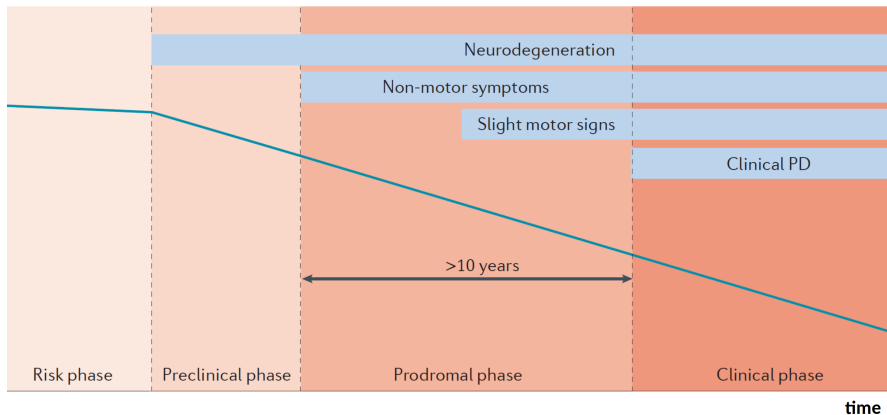 20-30%

Access . . .

neuroSHARE

- Develop early markers for neurodegenerative diseases

- Parkinson's disease (PD)

- Dementia with Lewy bodies (DLB)

- Alzheimer's Disease (AD)

- Multiple system atrophy (MSA)

- REM sleep behavioral disorder

- Prevalent, costly, no cure

neuroSHARE

Prodromal phase:
Appearance of initial symptoms before the full development of the disease

neuroSHARE: Three Simple Tests

▶ Speech test

▶ Sleep questionnaire

▶ Smell test

▶ Wave 10 in CZ

▶ All respondents after the main interview

neuroSHARE: Speech Test App

- Prolonged phonation
- Syllable repetition
- Reading
- Fairy tale
- Monologue

Nastavení mikrofonu

Během testu řeči budu nahrávat váš hlas v pěti krátkých řečových úlohách.

Vysvětlím vám a ukážu, jak jednotlivé úlohy provést.

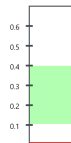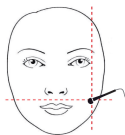Nejprve vám za uši nasadím mikrofon.

Prosím, vezměte KABEL od mikrofonu a připojte jej přes konektor ke zvukové kartě.
Připojte zvukovou kartu k notebooku přes port USB.
Ujistěte se, že je mikrofon umístěn podle obrázku níže.

Prosím, řekněte mi několik slov, abychom zkontrolovali, zda jsou kabely dobře připojeny.

Zkontrolujte, zda se červený pruh vpravo pohybuje v zelené oblasti. Pokud ne, zkontrolujte kabely.
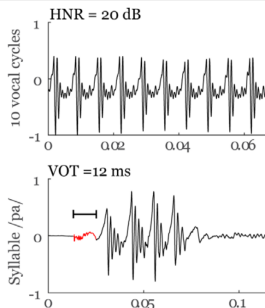
Po úspěšném nastavení stiskněte POKRAČOVAT
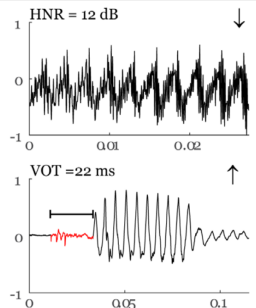
Zpět

Pokračovat

neuroSHARE: Speech Test

- Prolonged phonation

- Syllable repetition

- Reading

- Fairy tale

- Monologue

Healthy speech example

Hypokinetic dysarthria example

trend

HNR = 20 dB

HNR = 12 dB   ↓

10 vocal cycles

VOT =12 ms

VOT =22 ms   ↑

Syllable /pa/

neuroSHARE: Smell Test

- Level

- Scents

- Standardized olfactory test (HCAP)

neuroSHARE: Clinical Examination and Future

► Combination of three tests: Odds ratio 100

► Validate by medical examination

► 5% of respondents with abnormal results

► Finances CZ-CH in Wave 11

► neuroSHARE: Part of HCAP2

► Develop self-administered mode

► bioSHARE (venous blood)

Innovations

- Vicious circle: no innovation, no money, no interesting data

- SHARE is behind

- Funding conditional on innovations

Innovations

▶ CTO: Main wave + Country Specific Module

▶ Flexible: between waves, additional modules

▶ Multimode: Flexible/Policy/Experimental/Multidisciplinary

▶ Technology: devices, objective measures

▶ Linkages

▶ External cooperation

▶ SHARE central support and guidance

▶ SBI: Research center and innovation

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