Multilingual Children's Speech Development

HUNGARIAN (Standard Dialect)

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Hungarian (Standard Dialect) Author

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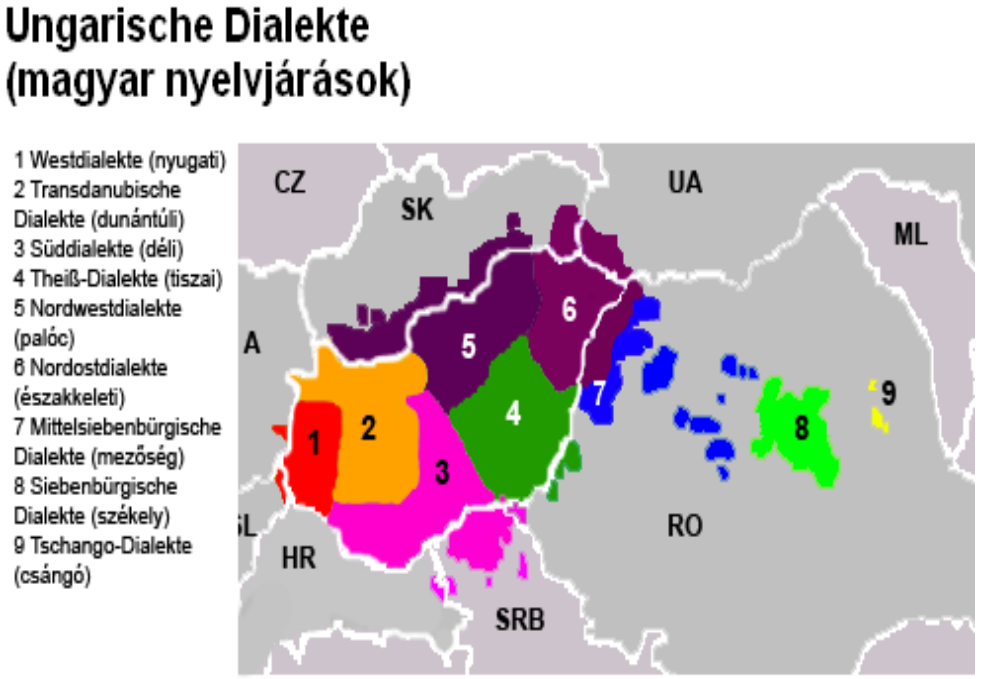
Source: Zajdó, K. (forthcoming). Hungarian (Standard Dialect) speech development. In S. McLeod (Ed.). *The Oxford handbook of speech development in languages of the world*. Oxford University Press.

HUNGARIAN (Standard Dialect)

- **Commonly spoken in**
  - Hungary (as a state language)
  - Slovakia, Ukraine, Romania, Serbia, Croatia, Slovenia, Austria (as a diasphoric language)
- **Dialects and variants**
  - 10 major dialects
- **Writing**
  - Left to right. Latin alphabet (Roman script).
  - Language uses diacritics to indicate vowel length
  - Example: **ö** vs. **ő** (short and long ø sounds)



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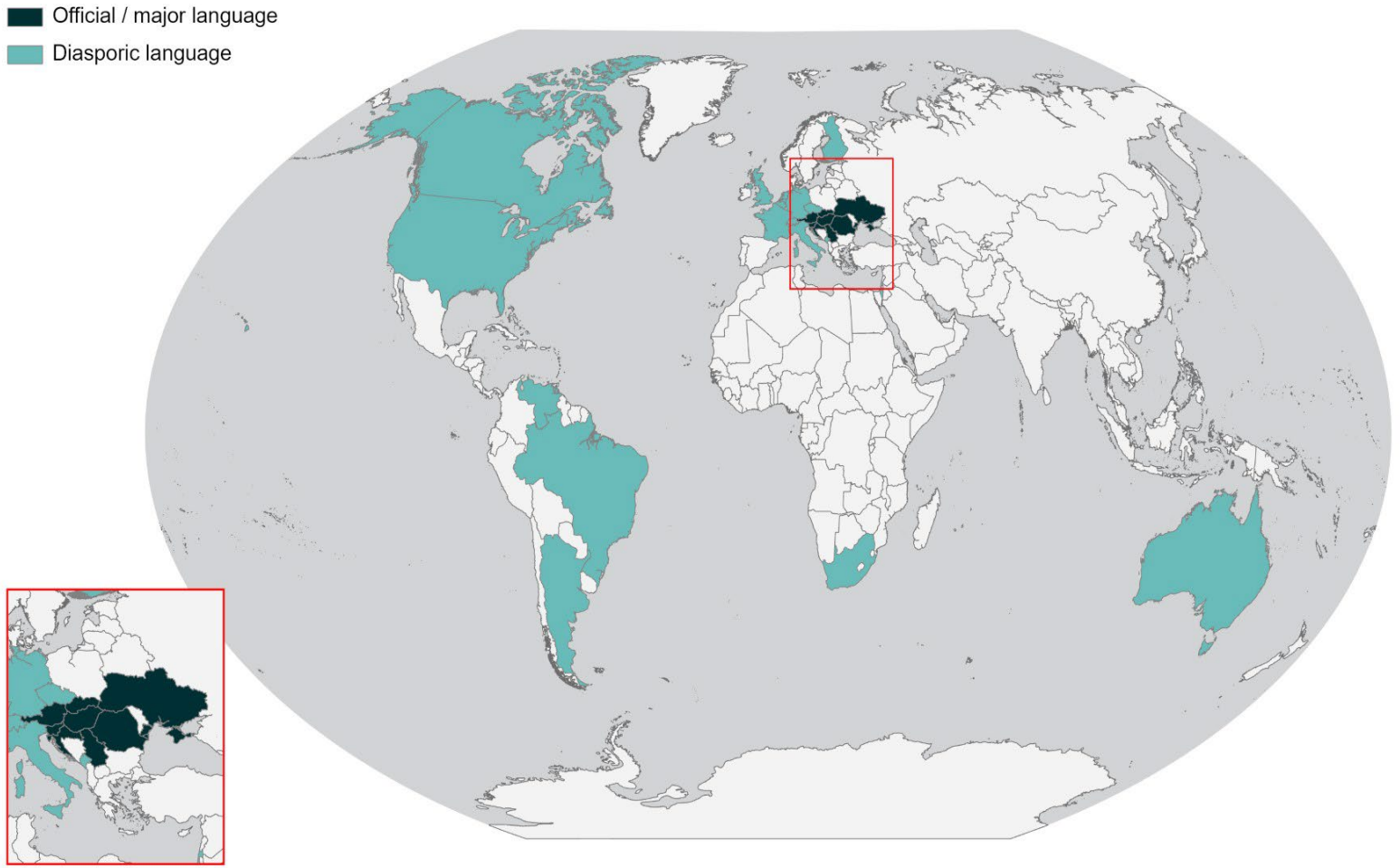
Hungarian (Standard Dialect) Map



The authors acknowledge assistance provided by the Spatial Data Analysis Network (SPAN) at Charles Sturt University, and in particular Craig Poynter, for his work creating this map. Figures/maps/imagery created using ESRI ArcGIS Pro 3.1 software and data contained within ESRI's Living Atlas.

Hungarian (Standard Dialect) Speech Components

- **Consonants (25/50, each of them can be geminated):**
  /p, b, t, d, k, g, m, n, ɲ, r, f, v, s, z, ʃ, ʒ, h, ts, dz, tʃ, dʒ, c, ɟ, j, l/
- **Consonant clusters (over 435):** 50 types of word-initial CC clusters. Word-initial CCC clusters include /str-/, /skl-/, /ʃpr-/, /ʃtr-/, and /ʃkr-/. Standard Hungarian has 150 types of word-final CC clusters and 18 types of word-final CCC clusters. The number of intervocalic CC clusters well exceeds 200. Twelve types of CCCC clusters appear in monomorphemic items; there is only one word with a word-medial CCCCC cluster (e.g., *angstrom* /ɔŋkʃtrøm/ 'Angström').
- **Vowels (14):** /ɔ, a:, ɛ, e:, i, i:, o, o:, ø, ø:, u, u:, y, y:/ All are monophthongs
- **VV clusters:** Those that appear within the same word stem include 40 different types. An additional 100 types of VV clusters that are separated by morpheme boundaries have been identified. (For a review on phonotactics, see Siptár and Törkenczy, 2000).
  Note that, in Standard Hungarian, each vowel constitutes a separate syllable. Thus, VV structures are not diphthongs.
- **Tones (0):** None
- **Phonotactic restrictions:** $C_{(0-3)}VC_{(0-3)}$
- **Prosody:** Left headed. Key features are the placement of a) the accent on the initial syllable of the prosodic word, and b) the strongest pitch accent on the first accented word of the prosodic structure. Six major intonation types.

Hungarian (Standard Dialect) Age of Acquisition

- **Consonants**
  - Early /p, t, k, d, m, f, h /
    Middle /b, g, n, v, j/
    Late /ɲ, c, ɟ, s, z, ʃ, ʒ, ts, tʃ, r/
    No data on /dz, dʒ/
- **Consonant clusters**
  - No data
- **Vowels**
  - Early /ɔ, ɛ, i, i:/, Middle /a:, e:, o, o:, u, u:/, Late /ø, ø:, y, y:/
- **Tones**
  - There are no tones in Hungarian

Hungarian (Standard Dialect) Speech Development

- **Percentage correct**
  - 82.1% consonants correct by 3;0* → 90.4% of vowels correct**
  - 90.8% consonants correct by 4;0*
  - 93.2% consonants correct by 5;0* → 95.1% of vowels correct**
  - 96.2% consonants correct by 6;0*
  - 99.7% consonants correct by 7;0*
  - 99.9% consonants correct by 8;0*
- **Intelligibility**
  - ICS*** - The scale is translated into Hungarian but has not been tried on a sizeable population
- **Common phonological patterns**
  - Devoicing, depalatalization, fronting, stopping, cluster reduction

* Nagy, 1980; ** Zajdó, 2002; ***ICS, Intelligibility in Context Scale (McLeod et al., 2012)

Hungarian (Standard Dialect) Children with Speech Sound Disorders

- **Also called**
  - Beszédhang-kiejtési zavar/artikulációs zavar → speech sound disorder
  - Fonológiai zavar → phonological disorder
  - Artikulációs zavar → articulation disorder
  - Gyermekkori beszédapraxia → childhood apraxia of speech
  - Diszarthria → dysarthria
- **Research has focused on**
  - Prevalence, some assessments
  - Cleft lip and palate (CLP)
- **Studies (examples)**
  - Phonological awareness in children with generalized learning disability and those with typical development (Zajdó & Csertán, 2020)

Hungarian (Standard Dialect) Speech Assessments

- The first subtest of the SZÓLE? Screening Test (Kas et al., 2012)*
- SZÓLE? was developed to assess speech and language skills in 5- to 6-year-olds
- It is a standardized test on the basis of data from 740 children

* Kas, B., et al. (2012). Szóle? Szűrőeljárás az óvodai logopédiai ellátáshoz. Logotech Kiadó.

Hungarian (Standard Dialect) Speech Interventions

- None

Reference

Book chapter

- Zajdó, K. (forthcoming). Hungarian (Standard Dialect) speech development. In S. McLeod (Ed.). *The Oxford handbook of speech development in languages of the world*. Oxford University Press.

Presentation

- Zajdó, K. (2023). *Hungarian (Standard Dialect): Multilingual children's speech development*. Charles Sturt University, Australia. https://www.csu.edu.au/research/multilingual-speech/languages
  - Sharynne McLeod, Charles Sturt University, Australia
  - Helen L. Blake, University of Technology Sydney, Australia