

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

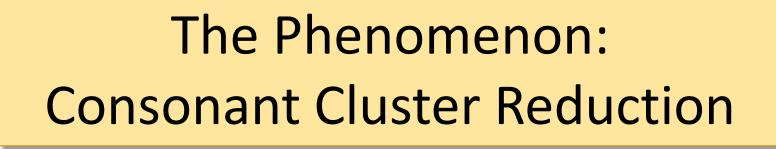
Evidence for Increasing Sensitivity to Phonetic Environments Over Time? The Development of Karen Refugee English



Big Question: When does phonetic environment sensitivity in Consonant Cluster Reduction (CCR) emerge in the second language acquisition process?

Study: Data from sociolinguistic interviews with Karen refugees is used to examine the changes in CCR rates over time.

Conclusion: For Karen second language learners of English, CCR does not correspond with length of residency, indicating that CCR rate patterns take longer to emerge than previously thought.



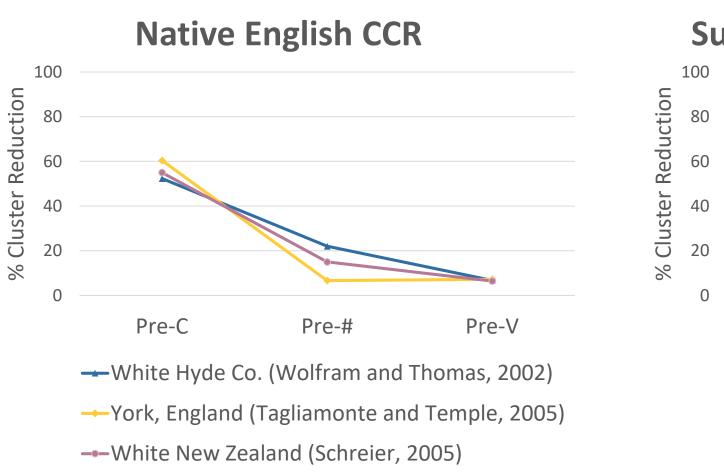
Consonant Cluster Reduction (CCR) occurs when a word-final consonant cluster (e.g. [st] in *west*) is reduced, typically to a single segment (e.g. *wes' side*).

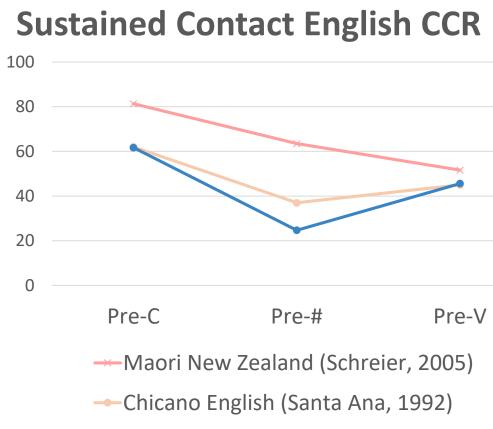
Reduction rates depend on following phonetic content

e.g. *the blin' man* is more likely to reduce than *the blind ape*

Cluster Reduction has been found in all varieties of English.

Varieties of English from sustained English contact show rates that are higher than native varieties of English. (Schreier, 2005)





Sustained Contact English varieties developed in communities whose historical language did not allow coda clusters.

How and when did these language varieties acquire CCR patterns that are sensitive to the following phonetic environment?

Does phonetic environment sensitivity in CCR rates occur in second language acquisition? If so, when?

Refugee communities allow for early observation of future Sustained Contact English varieties.

The Problem

Wolfram (1985) studied Vietnamese refugees in America. Found that Length of Residency corresponded with CCR rates and following phonetic environment sensitivity within the first seven years of resettlement.

However, no studies have tried to replicate Wolfram's work among other refugee populations.

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Research Question and Study

What effect does Length of Residency have on the consonant cluster reduction rates and patterns of second language learners?

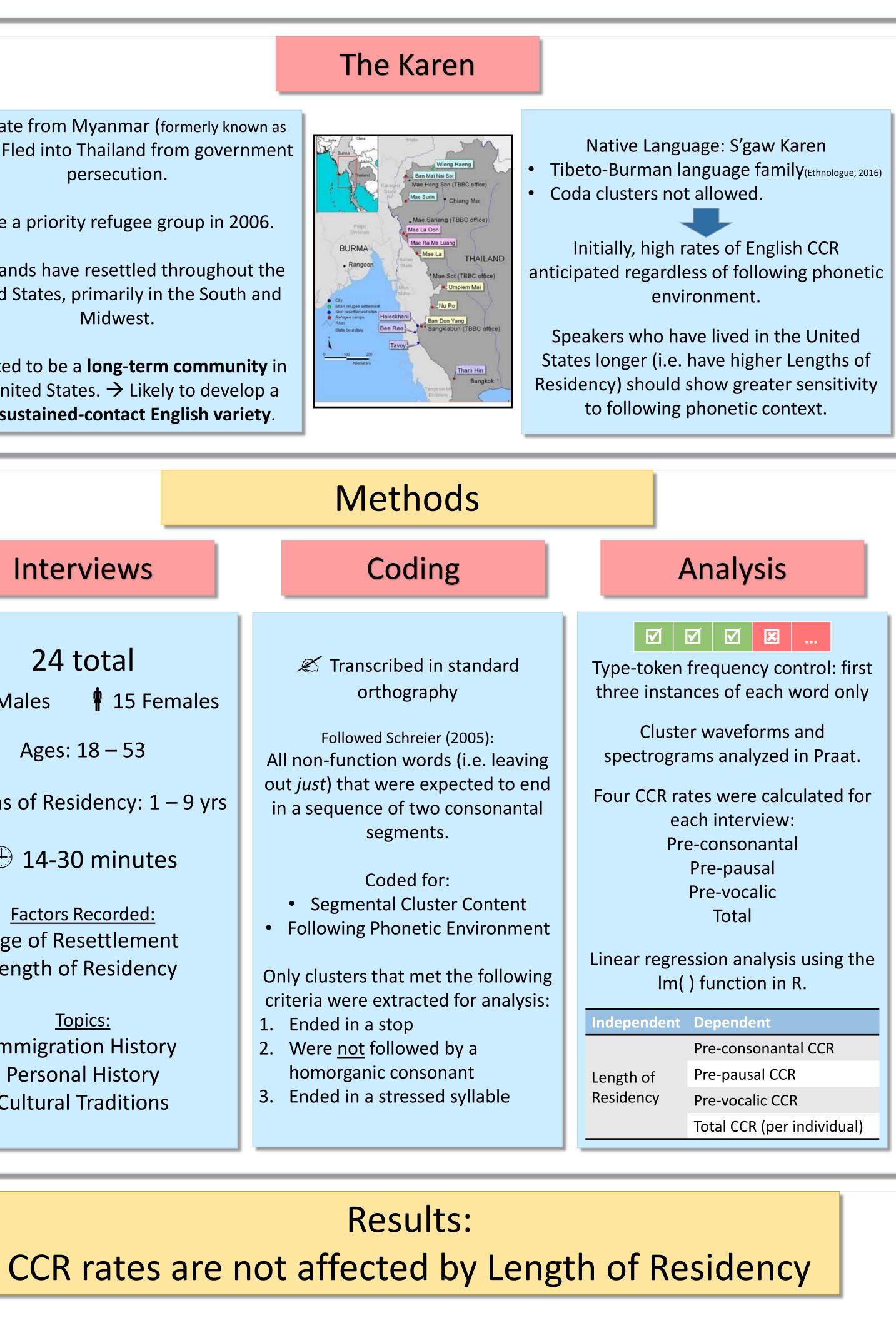
This study presents the preliminary results from 24 sociolinguistic interviews conducted with members of the Karen refugee community throughout the United States.

Originate from Myanmar (formerly known as Burma). Fled into Thailand from government persecution.

Made a priority refugee group in 2006.

Thousands have resettled throughout the United States, primarily in the South and Midwest.

Expected to be a long-term community in the United States. \rightarrow Likely to develop a new sustained-contact English variety.



- 1. Ended in a stop 2. Were <u>not</u> followed by a
- homorganic consonant
- 3. Ended in a stressed syllable

----Tejano English (Bayley, 1994)

Interviews

24 total 15 Females 9 Males

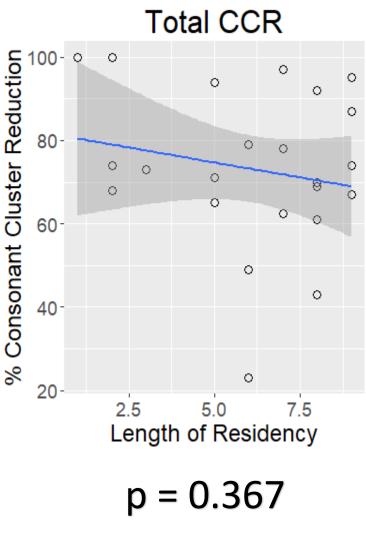
Ages: 18 – 53

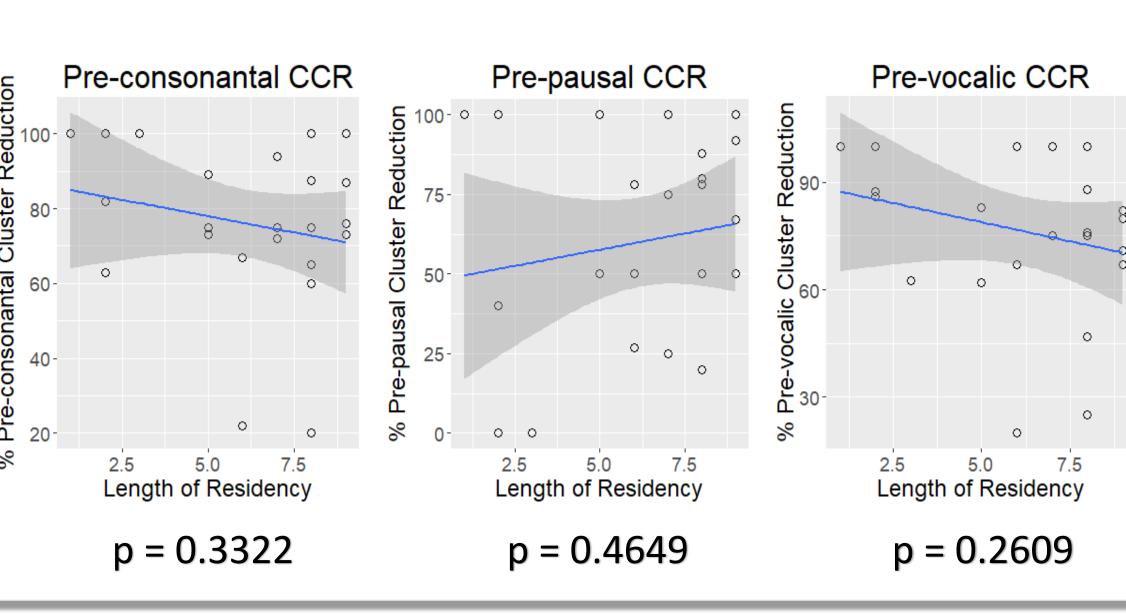
Lengths of Residency: 1 – 9 yrs

(+) **14-30** minutes

Factors Recorded: Age of Resettlement Length of Residency

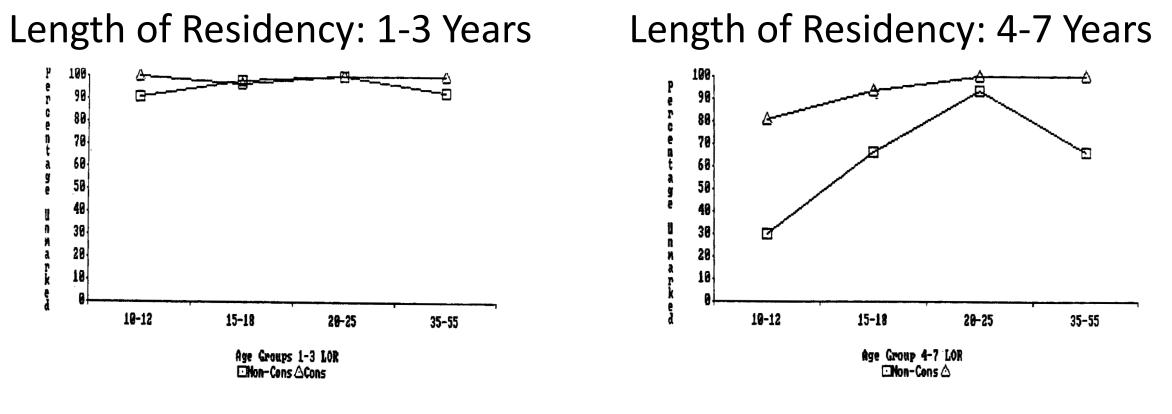
Topics: Immigration History Personal History **Cultural Traditions**



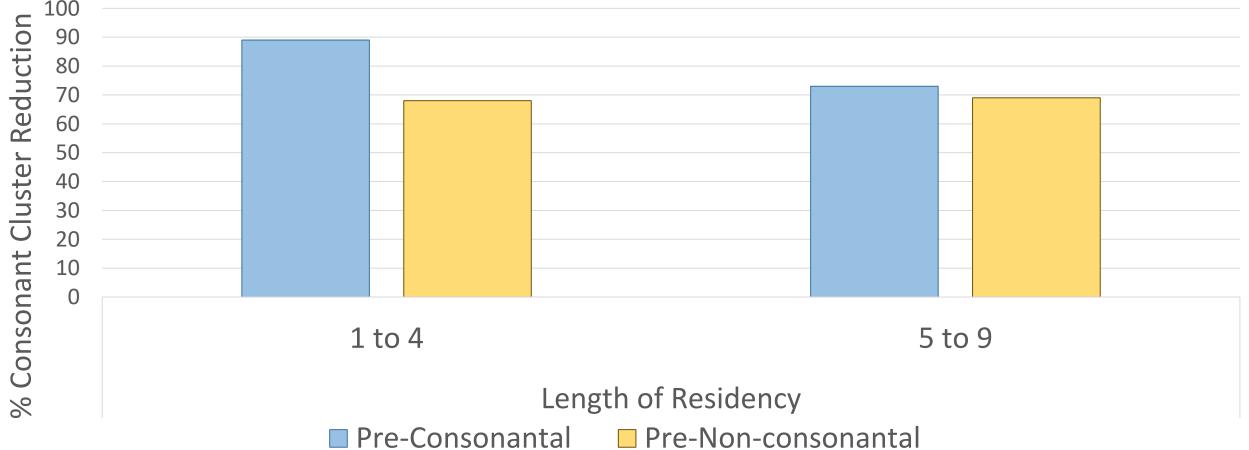


Results from this study challenge findings from earlier studies like Wolfram (1985)

Wolfram (1985) collapsed the following phonetic environments into the categories "Consonantal" and "Non-consonantal"



Cluster Reduction Based on Length of Residency



| CR vs. AoR | p - value |
|-----------------|-----------|
| Pre-consonantal | 0.8475 |
| Pre-pausal | 0.5358 |
| Pre-vocalic | 0.924 |
| Total | 0.6829 |

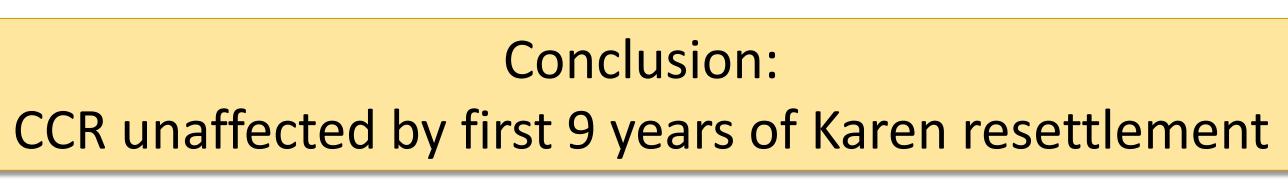
Additional Interviews awaiting coding and analysis

This study represents the data produced by 24 out of 50 interviews

This morpho-phonological process shown by second language learners may have an effect on CCR rates.

Data from four locations; unequal ratio of females to males

| 1. | Bayley, R. 1994. Consonant cluster reduction in |
|----|-------------------------------------------------------------------------------------------------------|
| 2. | Lewis, M. Paul, Gary F. Simons, and Charles D. Fe Online version: <u>http://www.ethnologue.com</u> |
| 3. | Refugee Processing Center. 2016. Refugee Admi |
| 4. | Santa Ana, O. 1992. Chicano English evidence fo |
| 5. | Schreier, D. 2005. Consonant Change in English |
| 6. | Tagliamonte, S. and Temple, R. 2005. New persp |
| 7. | Wolfram, W. and Thomas, E. 2002. The Develop |
| 8. | Wolfram, W. 1985. Variability in Tense Marking: |
| _ | |



Even with the environment categories collapsed, Wolfram's earlier findings are not replicated by the Karen refugee population.

Age of Resettlement (AoR) alone and in combination with Length of Residency (LoR) also show no significant effect on CCR rates.

Further Research

The effect of Tense Unmarking?

Regional/Gender Effects?

Select References

Tejano English. Language Variation and Change 6: 303-26. Fennig (eds.). 2016. Ethnologue: Languages of the World, Nineteenth edition. Dallas, Texas: SIL International.

ssions Report December 31, 2016. Available at: http://www.wrapsnet.org/admissions-and-arrivals/ or the exponential hypothesis: A variable rule pervades

worldwide: Synchrony meets diachrony. New York, NY: Palgrave Macmillan, 2005. pectives on an ol' variable (t,d) in British English. Language Variation and Change 17: 281-302. oment of African American English. Oxford, UK: Blackwell Publishers, 2002.

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