

- BACKGROUND
- Intervocalic post-stress coronal stops -> lenti to flaps in American English.
- Non-coronal stops?
 - > Across languages, non-coronals stops are not exempt from lenition.
 - 'Non-canonical' intervocalic labial and velar stops in English: Crystal & House, 1988, Warner & Tucker, 2011, Bouavichith & Davidson, 2013

QUANTIFYING LENITION

Categorical variables:

- Overt label: stop or approximant?
- Presence of formant structure
- Presence of voicing
- Absence of bursts.

Gradient variables:

- Duration of closure
- ✤ Intensity
- Intensity difference with following vowel.

FACTORS

- Stress: More lenition in *post-stress* than in *pre-stress* environment (*hobo* vs. *obese*).
- More lenition in *inter-unstressed* than *in post-stress* environment (*halibut* vs. *abacus*).
- \blacktriangleright Place of articulation: More lenition in velars than in labials.
- > Rate and Style: More lenition in *faster*, more *casual* speech.

PRESENT STUDY

Non-coronal stop in the lenition environment: Intervocalic post-stress (e.g. *rapid/rabid*) vs.

and

Prototypical voiced stops: Initial prevoiced (e.g. *bad, bun*)

Prototypical voiceless stops: Post-s voiceless unaspirated (e.g. *spun, spat*)

METHODS

STIMULI

> Initial voiced: bad, bun/gap, gum 6 words per PA Post-s voiceless: spat, spun/scab, scum 2 words per PA Medial post-stress: rapid-rabid bagging-backing 3 min pairs per PA

PARTICIPANTS

- 20 NS Am. English
- ➢ W. Lafayette, IN
- ▶ 12 analyzed

PROCEDURE

- > Words on the screen
- > Over 70 'fillers'
- > 3 randomized blocks
- Presentation: 2 sec
- ➢ ISA: 0.5 sec

MEASUREMENTS > Intensity Min Consonant

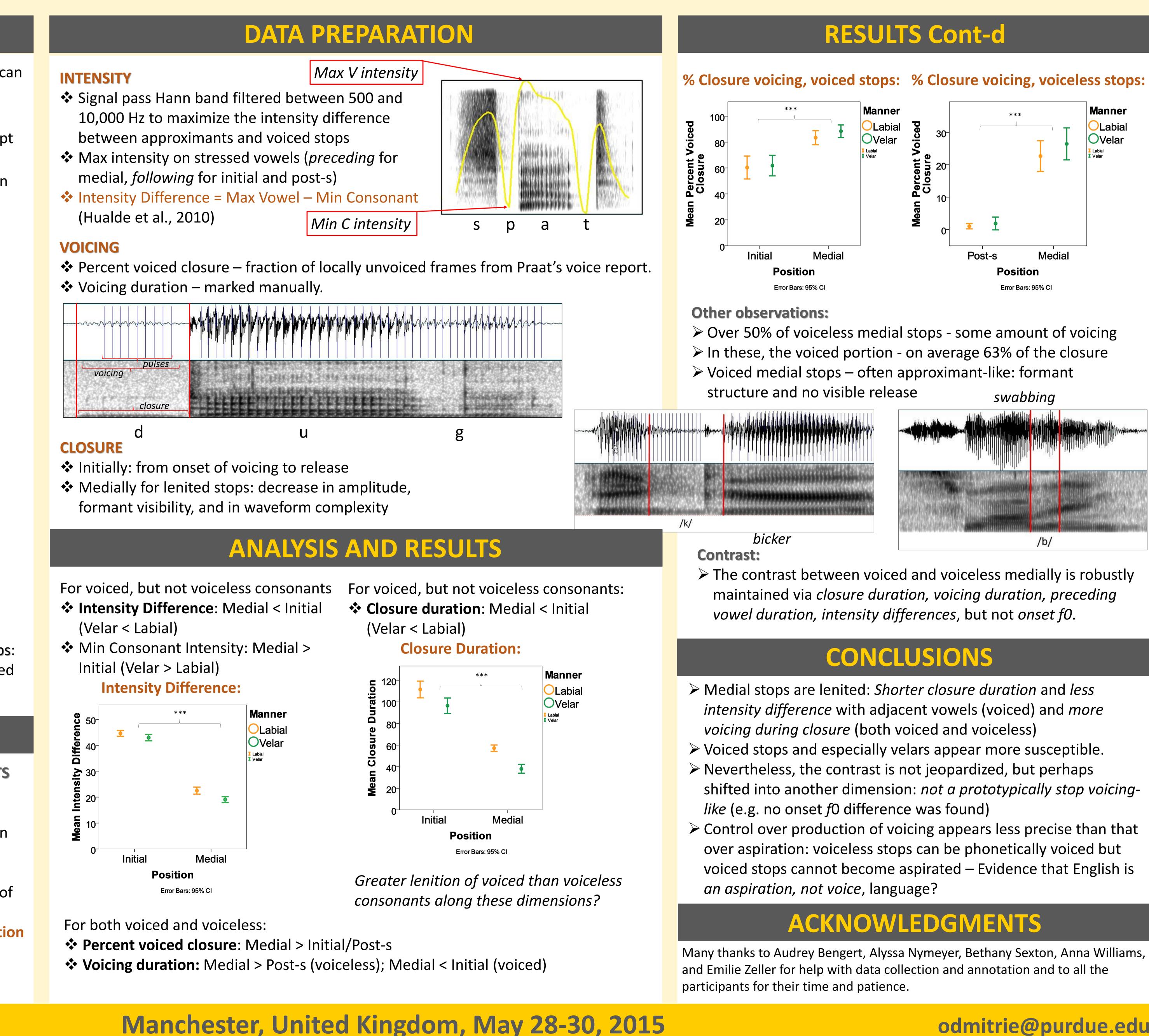
Max Vowel – Min Consonant > Voicing

Duration and % of closure

- Closure duration
- Onset f0

Non-Coronal Lenition in American English

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