

## IIT Madras ONLINE DEGREE

# Aspiration at the Syllable Initial Position in English Words

Rajesh Kumar

#### Elements of words

- Aspiration A feature of sound
- Syllable A unit of words
- Stress A feature of vowels in a syllable

## [p], [t], [k] .... Voiceless stop sounds

```
    -asp
    -voice
    -[p]
    [ph]
    [th]
    [kh]
```

## Some English Words

- Pen
- Pin
- Pan
- Park
- Tan
- Truck

CCVC

- Trick
- Team
- Car
- Can
- King
- Crush

- Cry /khraai/ r is voiceless
- •Try th
- Plot ph
- Clock kh
- Crime kh
- •Tie th
- •Town th
- Tank th

#### Rules:

- Voiceless stops [/p/, /t/, and /k/] are aspirated at the beginning of a word.
- [/p/, /t/, and /k/] are aspirated at the beginning of a stressed syllable.
- Voiceless stops remain unaspirated at the beginning of an unstressed syllable. They're also unaspirated in any other position, like at the end of a syllable or the end of a word.
- Even if a syllable is stressed, a voiceless stop is unaspirated if it follows [s].
- Voiced stops are never aspirated. They're always unaspirated.

Take a piece of cake.

Thake a phiece of chake

### Aspiration in stressed syllable

```
/pho ThAE to/
                                           (3)
Potato
                     /ho ThEL/
                                           (2)
Hotel
                     /ne PhAL/
                                           (2)

    Nepal

                     /in ThENS/
Intense
                                           (2)
                     /in ThEN shan/
                                           (3)
Intension
                     /DIIP er/
                                     (2)
deeper
                     /IN stii tute/
                                     (3)

    Institute
```

## Aspiration in stressed syllables

```
attention /aet ThEN shan/
retain /rii ThAEN/
retention /rii ThAEN shan/
Impossible /im PhOS si bal/
impatient /im PhAE shant/
```

## Aspiration in stressed syllables

```
department /di PhAART ment/ (3)
competition /kom pii Thii shan/ (4)
decrease (v) /di KhRIIZ/ (2)
decrease (n) /DI kriiz/ (2)
Institution /in sti Thyu shan/ (4)
```

Stress on 1<sup>st</sup> syllable – 2<sup>nd</sup> syllable unstressed and unaspirated

```
/PhAR pal/
Purple
                /PhRAK tis/
Practice
                /SAR kal/
Circle
                /ThAR tal/
Turtle
                /SAM pal/
Sample
                /ThEM pal/
Temple
                /HAP pi/
Happy
```

## 2<sup>nd</sup> syllable stressed – first sound aspirated

```
Platonic /plae ThoN ik/ (3)
Iconic /aai KhON ik/ (3)
Atomic /ae ThOM ik/ (3)
Compassion /kom PhAE shan/ (3)
Complete /Kom PhLIIT/ (2)
```