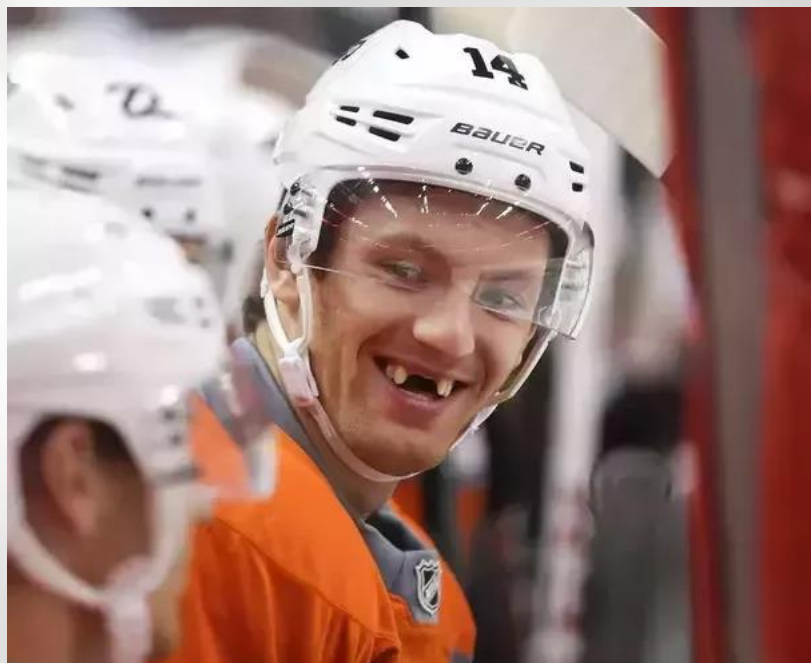


# DENTAL CARE BEYOND A HOPE AND A PRAYER

Rafael A. Bustamante, DDS



# THE PSYCHOLOGY OF TEETH



# STIGMA

- Economic
- Moral



# STIGMA

Lack of:

- Knowledge
- Benefits
- Good nutrition



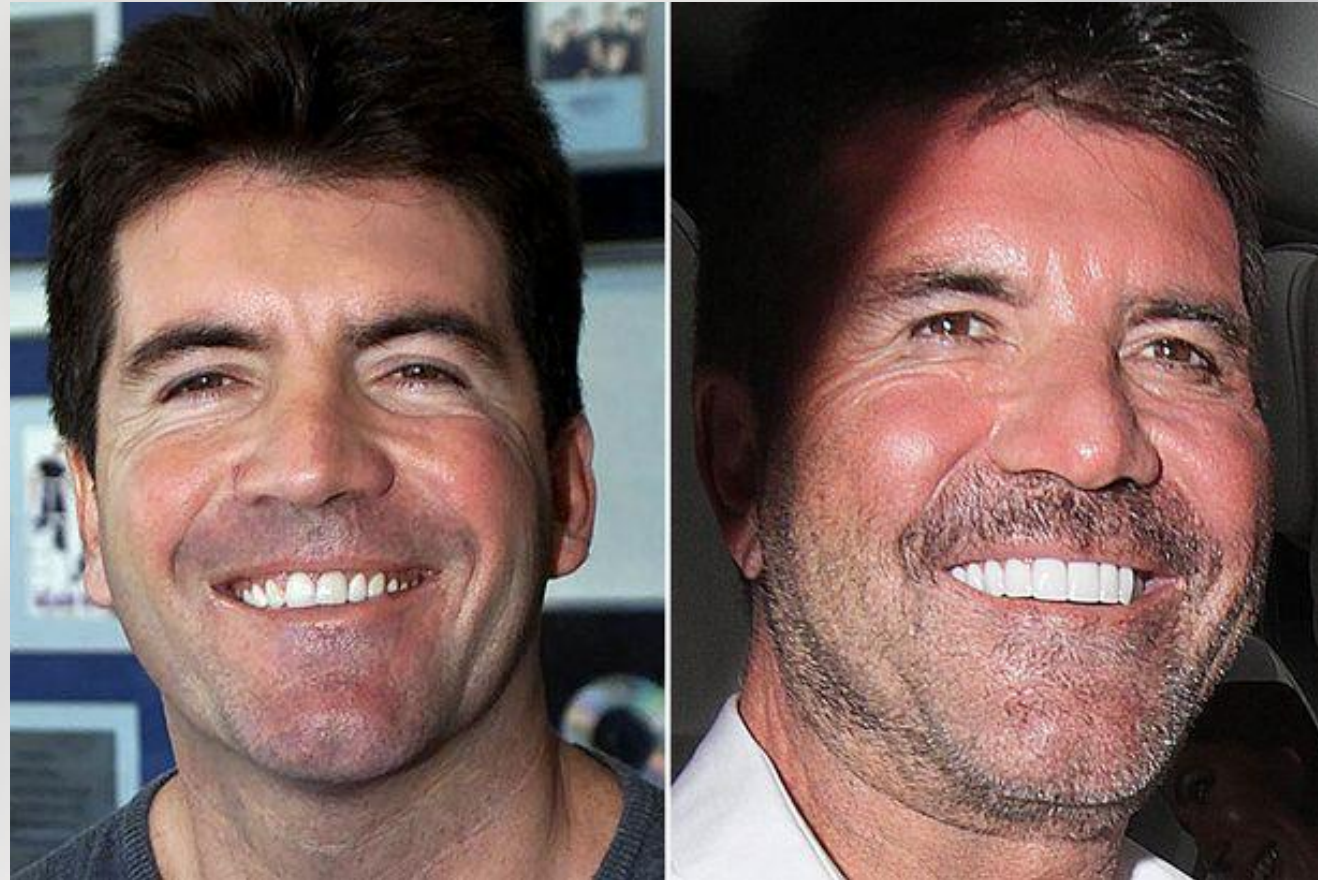
How much weight do teeth carry in our society?

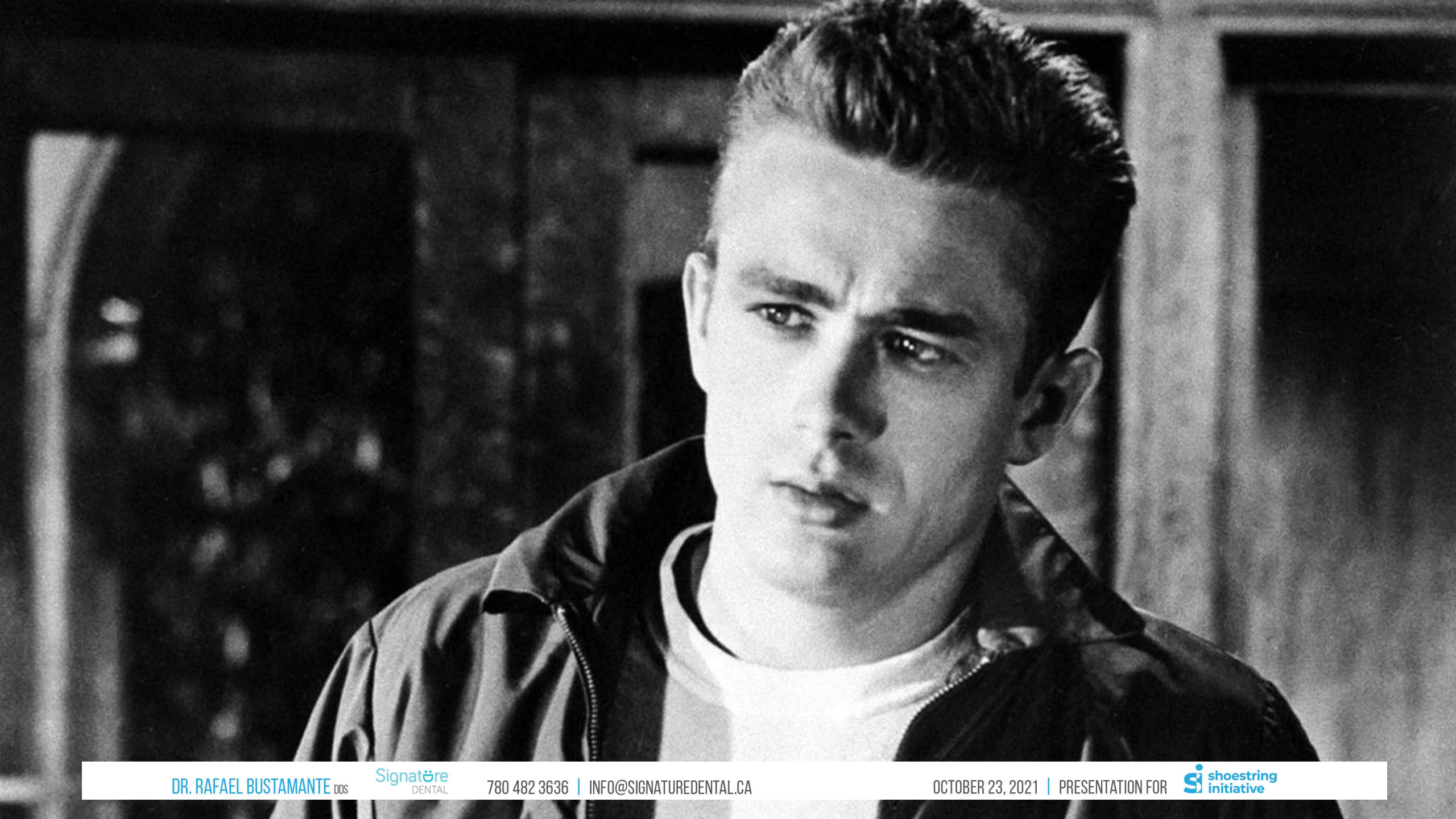


How much weight do teeth carry in our society?



# What is HEALTH?





DR. RAFAEL BUSTAMANTE DDS

Signature  
DENTAL

780 482 3636 | INFO@SIGNATUREDENTAL.CA

OCTOBER 23, 2021 | PRESENTATION FOR

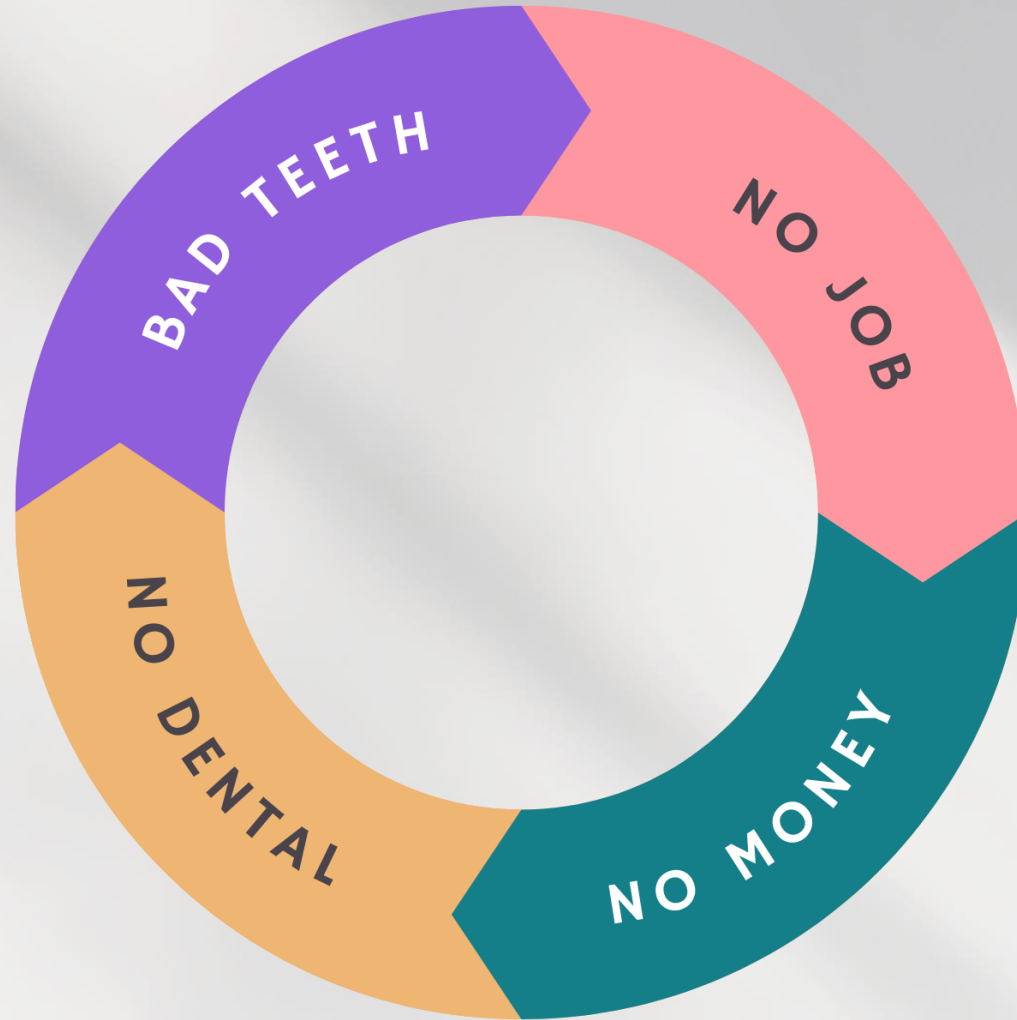
si shoestring  
initiative



# PENNSATUCKY TEETH (OITNB)




# POOR TEETH BEGET POVERTY



# A LOOK AT THE PAST

London Bills of Mortality, February 21-28, 1664

*The Diseases and Casualties this Week.*



Imposthume	1
Infants	7
Kingsevill	1
Mouldfallen	1
Kild accidentally with a Carbine, at St. Michael Woodstreet	1
Overlaid	1
Rickets	9
Rising of the Lighes	2
Rupture	2
Scalded in a Brewers Mash, at St. Giles Cripplegate	1
Scurvy	4
Spotted Feaver	2
Stilborn	13
Stopping of the Stomach	11
Suddenly	1
Surfeit	7
Teeth	27
Tiflick	12
Ulcer	1
Vomiting	1
Winde	1
Wormes	1

A Bortive	2
Aged	32
Bleeding	1
Childbed	5
Chrisoms	9
Collick	1
Consumption	65
Convulsion	41
Cough	5
Dropsie	43
Drowned at S Kathar. Tower	1
Feaver	47
Flox and Small-pox	15
Flux	3
Found dead in the Street at Stepney	1
Griping in the Guts	15

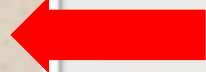
  

Christned	Males — 121	Buried	Males — 195	Plague . 0
	Females — 111		Females — 198	
	In all — 232		In all — 393	

Decreased in the Burials this Week — 69

Parishes clear of the Plague — 130      Parishes Infected — 0

*The Asize of Bread set forth by Order of the Lord Maior and Court of Aldermen,*  
 A penny Wheaten Loaf to contain Eleven Ounces, and three  
 half-penny White Loaves the like weight.



“Teeth”: the sixth leading cause of death after the plague

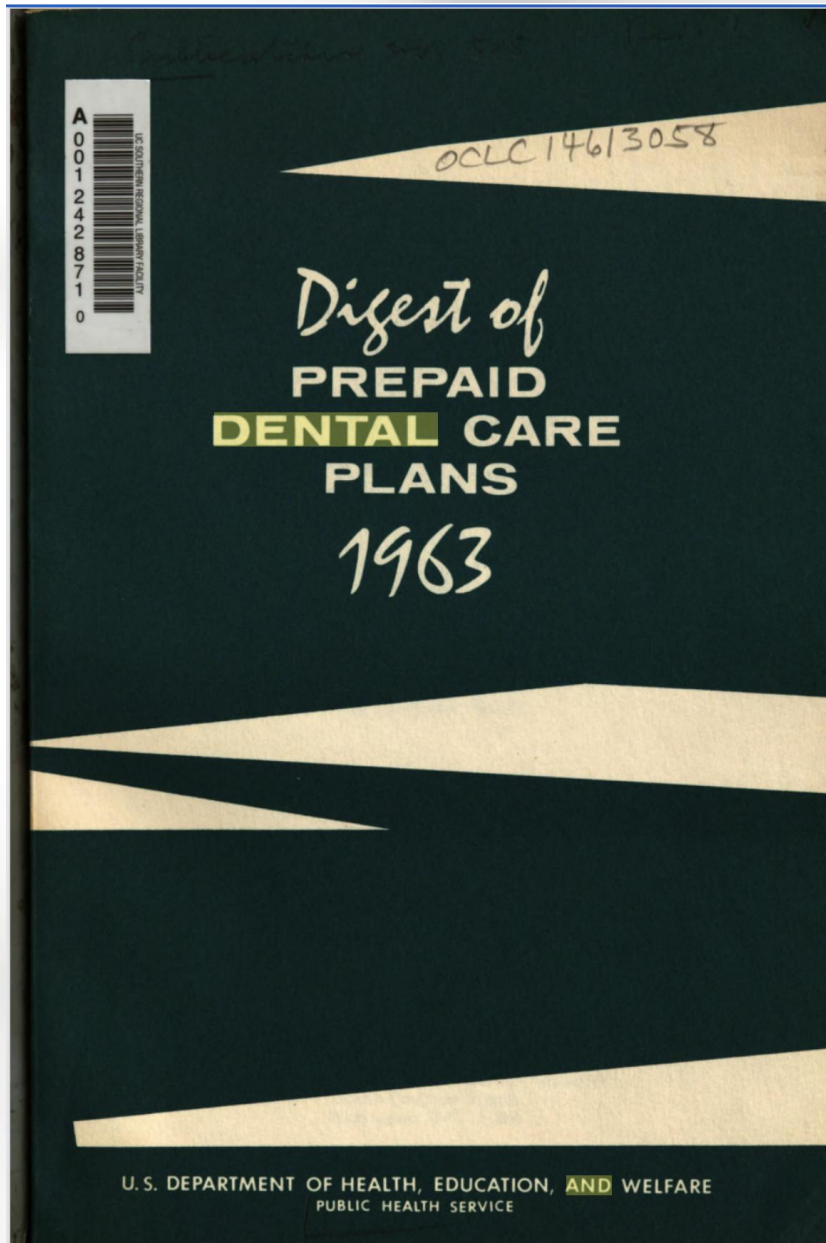
# INSURANCE PERSPECTIVE

## How Medical and Dental Practice Differ

	Medical	Dental
Diseases treated	Myriad	Mainly two
Diagnostic complexity	Great	Small
Diagnostic cost	High	Low
Prevention: cost/effectiveness	Variable	High
Institutional based treatment	High	Low
Nature of disease	Acute/chronic	Chronic
Life threatening	Not uncommon	Rare
Audit Trail	Varies	Very good
Covers low cost/high frequency	Not Standard	Standard
Covers high cost / low frequency	Yes	No

Provided by the National Association of Dental Plans

# DENTAL BENEFITS



CATEGORY	1963	2021
Income	\$7,500/year	\$67,000/year
Premium	\$194.40/year	\$1742.68/year
Coverage	\$750/year/patient	\$6,723.28/year
Cost of crown	\$150/tooth	\$1,344.66/tooth

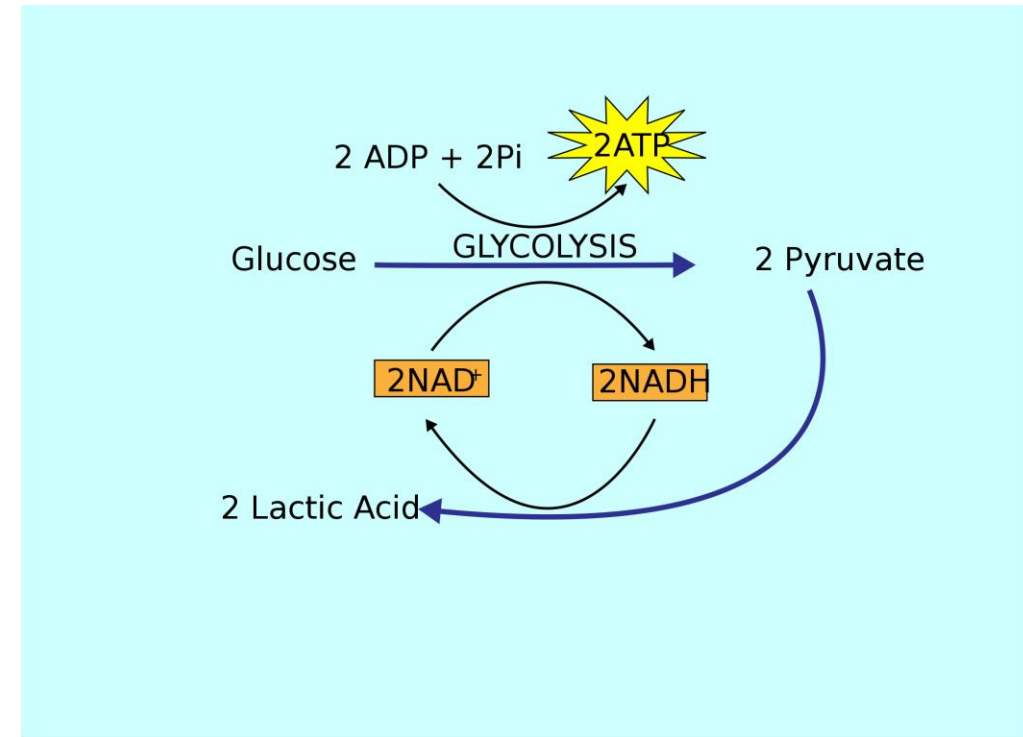
# BEST DENTAL BENEFITS PLAN

- You pay nothing extra per month for your dental plan.
- You can go to any dentist you want.
- You have no maximum dollar limit.
- Major services are paid for at 80%.

# WHY SO COSTLY?

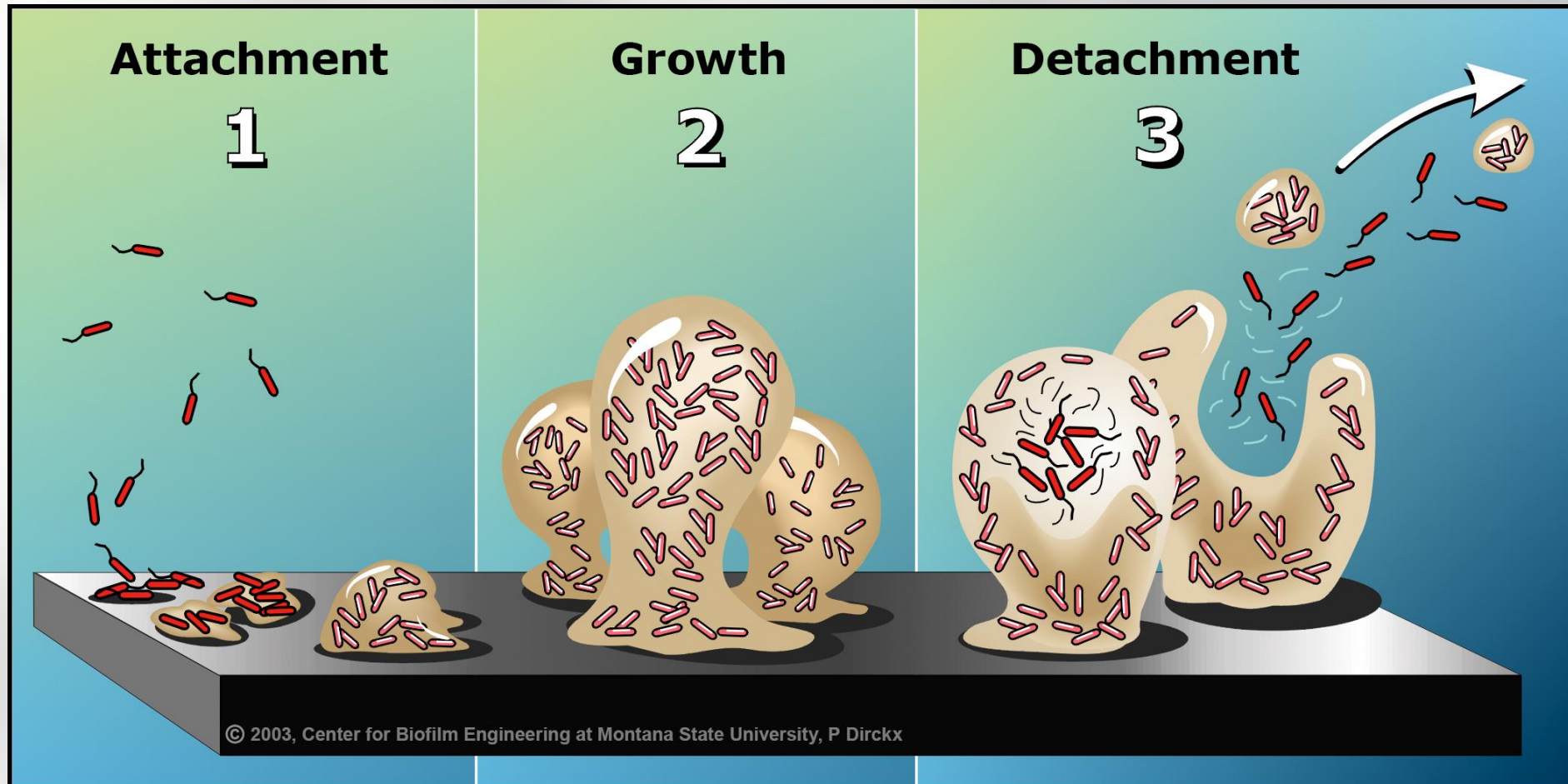
# FERMENTATION

- Bacteria and yeast convert starch and sugar into alcohol and acid particularly in the absence of oxygen to create energy to survive.





# BIOFILM



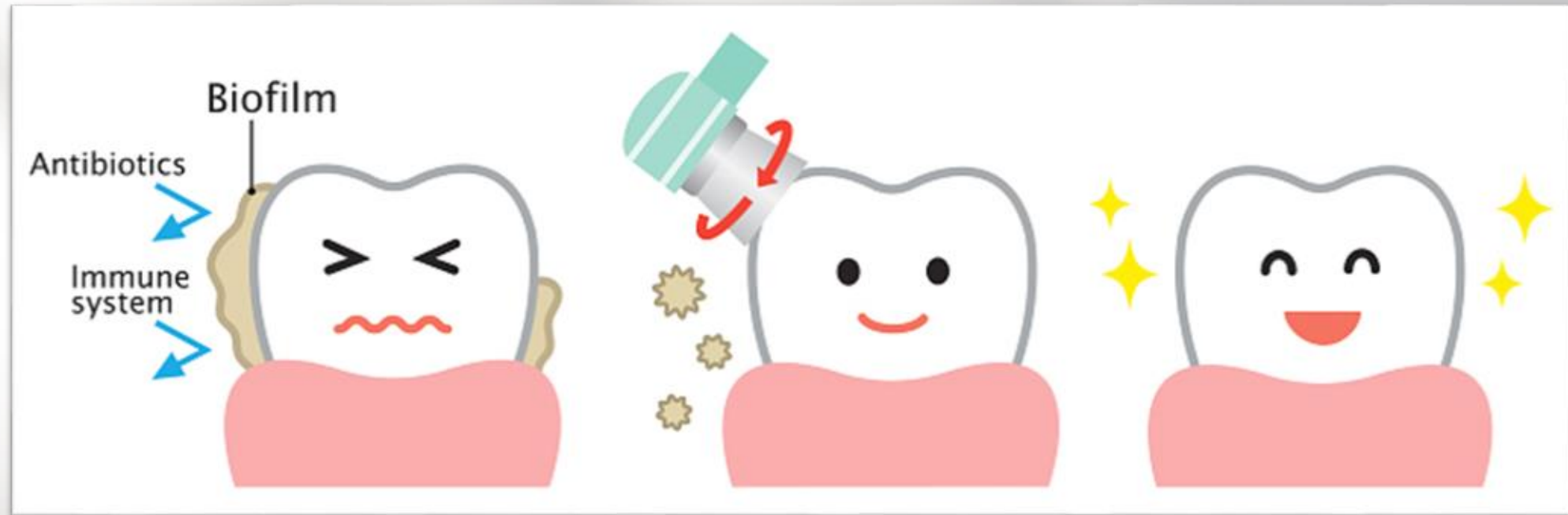
# BIOFILM IN THE MOUTH



# BIOFILM IN THE MOUTH



# BIOFILM DISRUPTION

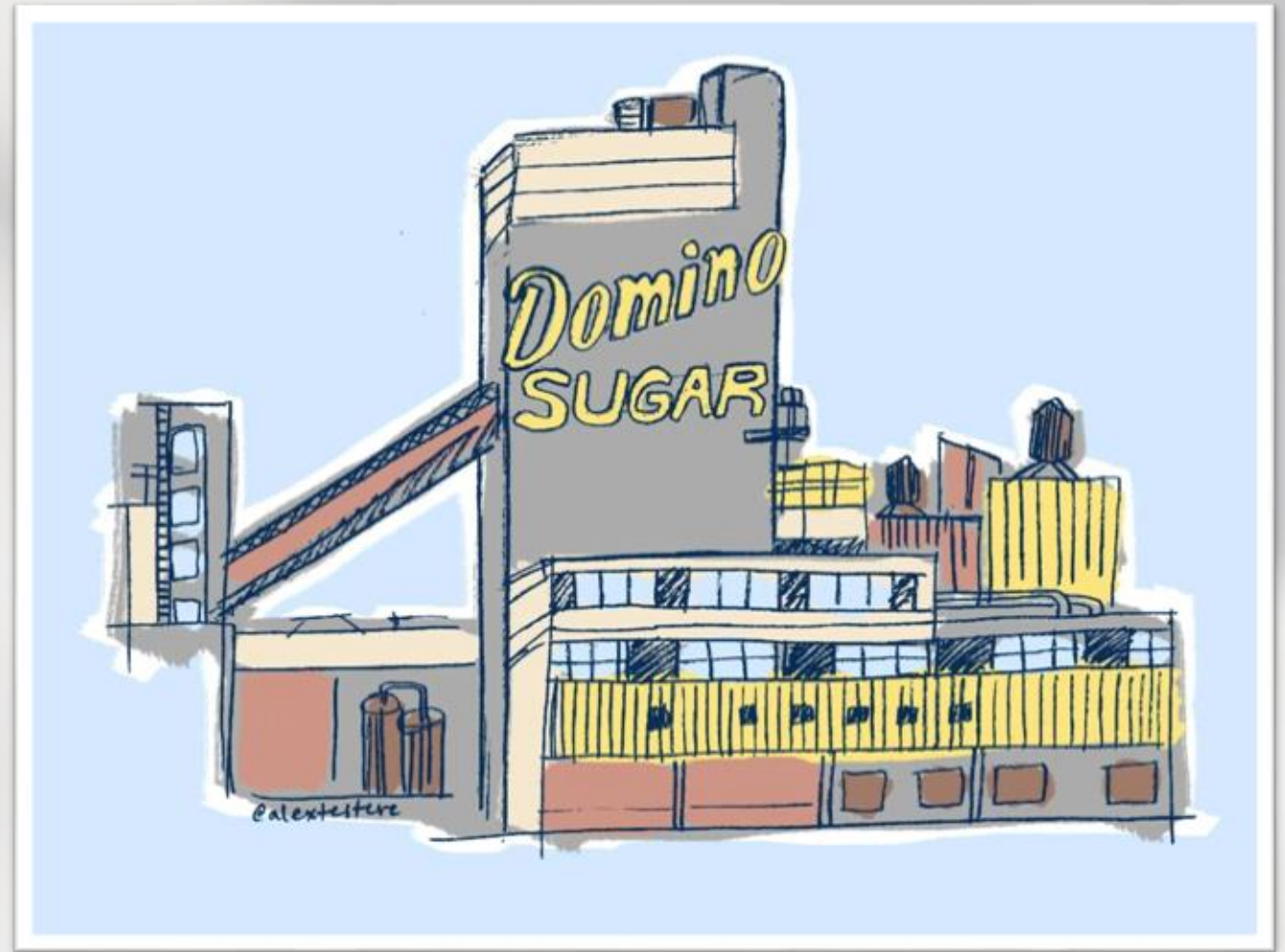


# DENTAL DECAY

- Progressive
- No remineralization
- Pain
- Tooth loss



Toothache was a curse of privilege before sugar manufacturing improvements increased supply and lowered prices.



# IMPACT OF LACK OF ACCESS

- 2.3 million dental-related ER visits between 2009-2010
- HPV, oral cancer, diabetes, heart disease, SDB, malnutrition
- Head is connected to the body

*“The reliance on emergency room dental treatment is symptomatic of a larger problem: a public that is alarmingly uneducated about the severe consequences of inadequate dental care and a system that refuses to acknowledge oral health as a crucial aspect of overall medical health.”*

Cecile A. Feldman, DMD, Dean of the Rutgers School of Dental Medicine. <https://www.ada.org/en/publications/ada-news/viewpoint/my-view/2014/august/emergency-room-is-no-place-for-a-toothache>





# PREVENTION

*“Better put a strong fence  
round the top of the cliff  
than an ambulance down in  
the valley”*  
- Joseph Malins (1895)



# Step 1

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# Step 2



# Step 2



# Step 3



**PHILIPS**  
**sonicare**

**4100 ProtectiveClean**  
Power toothbrush

- Pressure sensor
- 14-day battery life

Removes up to 7x more plaque than a manual toothbrush

1 HANDLE, 1 BRUSH HEAD, 1 CHARGER

**No. 1**  
Dental Professional recommended sonic toothbrush worldwide

PHILIPS

# Step 4



# Step 5



# Supplements





# Recipe for Adult Care\*

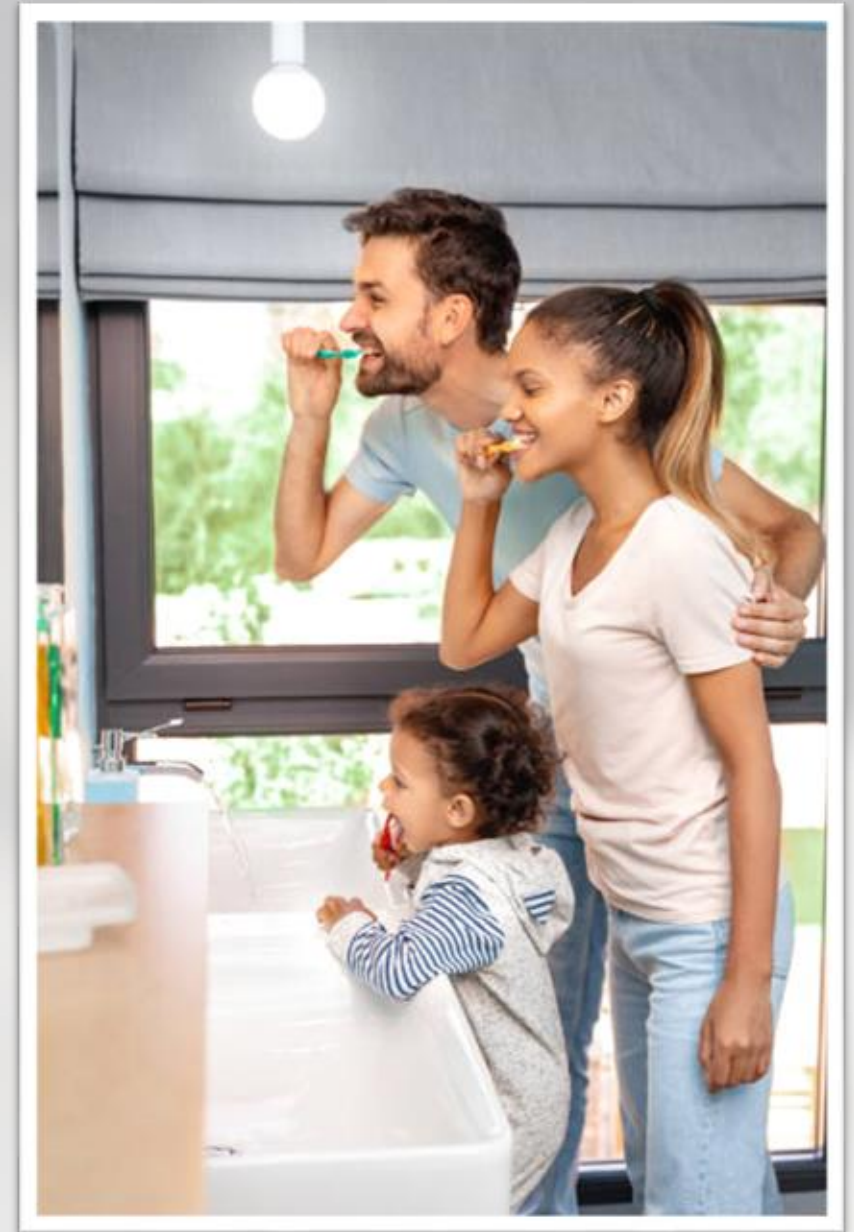
1. Pre-rinse with chlorine dioxide
2. Floss and pick to remove debris
3. Brush teeth and gum margin
4. Use antiseptic rinse for ONE minute
5. Use fluoride rinse for one minute
6. Repeat at bedtime and after breakfast (q | 2h)

\*Adapted from Dr. Ellie Phillips, DDS for Canadian consumers

# FATALISM vs. INTRINSIC MOTIVATION



Be true to your  
teeth or they will  
be false to you.



# THANK YOU