Muscles of the Face

- Frontalis
- Temporalis
- Orbicularis oculi
- Levator labii superioris
- Zygomaticus minor
- Zygomaticus major
- Risorius
- Depressor anguli oris (also called Triangularis)
- Depressor labii inferioris
- Mentalis
- Platysma
- Zygomaticus (cut)
- Masseter
- Buccinator
- Orbicularis oris

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Muscles of Facial Expression

**Blood Supply:** External Carotid Artery  
**Motor Innervation:** Facial Nerve (VII)  
**Sensory Innervation:** Trigeminal Nerve (V)

1) **Frontalis** (worry muscle):  
   a. **Actions:** Raises eyebrows, furrows brow  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin:** from galea aponeurotica  
   d. **Insertion:** to skin above the eyebrows

2) **Occipitalis** – not shown on diagram (in back):  
   a. **Actions:** pulls scalp back  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin:** from posterior back of skull  
   d. **Insertion:** to anteriorly with the galea aponeurotica

3) **Orbicularis oculi** (sphincter muscle of the eyelid):  
   a. **Actions:** squinting, closes eye, crowsfeet, eye bags  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin/Insertion:** surrounds rim of orbit

4) **Zygomaticus** (major and minor) (smiling muscle):  
   a. **Actions:** raises corners of mouth upward  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin:** from corners of mouth  
   d. **Insertion:** to zygomatic bone

4a) **Risorius:**  
   a. **Actions:** pulls lips laterally (helps with smiling)  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin:** from fascia of masseter  
   d. **Insertion:** to skin at corner of mouth

5) **Orbicularis oris** (kissing muscle):  
   a. **Actions:** closes lips, purses and protrudes lips  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin/Insertion:** surrounds mouth

6) **Mentalis** (pouting muscle):  
   a. **Actions:** protrudes lower lip, wrinkles chin  
   b. **Innervation:** Facial Nerve (VII)  
   c. **Origin:** v-shaped pair from point of chin  
   d. **Insertion:** to Orbicularis oris
Muscles of Facial Expression (continued)

7) **Buccinator:**
   a. **Actions:** compresses cheeks for whistling, blowing and sucking (infants), holds food between teeth during chewing
   b. **Innervation:** Facial Nerve (VII)
   c. **Origin:** from Orbicularis oris across cheek
   d. **Insertion:** back to maxilla and mandible by molars

8) **Platysma** (grimace muscle):
   a. **Actions:** helps depress mandible
   b. **Innervation:** Facial Nerve (VII)
   c. **Origin:** from mandible
   d. **Insertion:** to skin over clavicle

9) **Levator labii superioris:**
   a. **Actions:** opens the lips and flares the nostrils
   b. **Innervation:** Facial Nerve (VII)
   c. **Origin:** from the zygomatic arch and infraorbital margin of the maxilla
   d. **Insertion:** to the skin and muscle of the upper lip

10) **Depressor anguli oris** or **Triangularis** (frowning muscle):
    a. **Actions:** pulls corners of the mouth down
    b. **Innervation:** Facial Nerve (VII)
    c. **Origin:** from corners of mouth
    d. **Insertion:** to mandible

11) **Depressor labii inferioris** (pouting muscle):
    a. **Actions:** pulls lower lip down down
    b. **Innervation:** Facial Nerve (VII)
    c. **Origin:** from mandible
    d. **Insertion:** to the skin and muscle of lower lip

**Clinical Significance:** Bell's Palsy (Facial Nerve by ear)

**Symptoms:**
- Tearing (cannot blink, so irritation)
- Food collects in cheeks behind (buccinators paralyzed)
- Cannot whistle (Orbicularis oris paralyzed)

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Muscles of Mastication (Chewing)

Blood Supply: Maxillary Artery (off External Carotid Artery)
Innervation: Trigeminal Nerve (V)

12) Masseter:
   a. **Actions**: closes (elevates) mandible
      (powerful for chewing)
   b. **Innervation**: Trigeminal Nerve (V)
   c. **Origin**: from angle of mandible (cheek)
   d. **Insertion**: to zygomatic arch (lateral jaw)

13) Temporals:
   a. **Actions**: closes (elevates) mandible
      and retracts jaw
   b. **Innervation**: Trigeminal Nerve (V)
   c. **Origin**: from carotid process
   d. **Insertion**: to temporal bone

14) Medial pterygoid (deep below zygomatic arch)
   – not shown on diagram:
      a. **Actions**: closes (elevates) mandible, side to side movement
      b. **Innervation**: Trigeminal Nerve (V)
      c. **Origin**: from sphenoid bone, maxilla and palatine bone
      d. **Insertion**: to medial (deep) mandible surface near angle

15) Lateral pterygoid (deep below zygomatic arch) – not shown on diagram:
   a. **Actions**: protrudes mandible, side to side grinding, stabilizes temporal-mandibular joint
   b. **Innervation**: Trigeminal Nerve (V)
   c. **Origin**: from sphenoid bone
   d. **Insertion**: to the condyle of the mandible and the TMJ capsule

7) **Buccinator**: though a muscle of facial expression, it also helps with chewing.