
BALLISTICS IN TRAUMA

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TOPICS

- Types of bullets
 - Bullet construction
 - Impact on flesh and bone
 - Impact on the body
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FULL METAL JACKET (FMJ)

- Copper/metal alloy outer shell (jacket)
- Lead/Alloy inner core
- Designed to make a hole (through/though) – type of bullet used in warfare (Geneva convention)
- Probably the most common type of bullet found- cheap and easy to find at any store that sells ammo



FULL METAL JACKET (FMJ)

- Note slight deformity- but otherwise intact



HOLLOW POINT/EXPANDING

- Copper/metal jacket
- Lead/Alloy core (possibly all copper)
- Designed to expand- 1.5-2x original diameter- type of bullet used by law enforcement/hunters





HOLLOW POINT/EXPANDING

[HTTPS://CVTC.STRUCTUREMEDIA.COM/EMBED/0C7C4706-8777-4AD2-8067-79CC04ABB87D](https://CVTC.STRUCTUREMEDIA.COM/EMBED/0C7C4706-8777-4AD2-8067-79CC04ABB87D)

IMPACT ON BODY

- 9mm produces approx. 400 ft lbs of energy at the muzzle (1,000 feet per second or 680 MPH)
Major league baseball pitch – 95 ft lbs.
 - Energy stops when hitting a ballistic vest (body absorbs it all, blunt force trauma) vs a pass through
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