What is a wound?

An injury to living tissue caused by a cut, blow, or other impact, typically one in which the skin is cut or broken.

How does a wound heal?

Red blood cells help create collagen, which are tough, white fibers that form the foundation for new tissue. The wound starts to fill in with new tissue, called granulation tissue. New skin begins to form over this tissue. As the wound heals, the edges pull inward and the wound gets smaller.

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| Type of Wound | Available Therapy/ Tools/ Method/ Aid/ Medicine for wound care | Purpose | Marketed Product/ price | Mode of Action | Market Size/ Requirement (Volume/ Value) | Geography -wise Break-up | Remarks |
| Incised wound | Applying pressure directly with hand on the injury, Cover with Sterile cloth, Tetanus Shot | Applying Pressure reduces the blood flow to the wound; thus, the bleeding can be averted. |  |  | USD 8.78 billion in 2020 USD 9.29 billion 2021, Revenue Forecast USD 14.44 billion, expected to expand at a compound annual growth rate (CAGR) of 6.5% from 2021 to 2028 | North America:U.S.,Canada  Europe: Germany, France, U.K., Italy,Spain,RoE  Asia-Pacific:Japan,China,India,RoAPAC  Rest of the World (RoW) |  |
| Laceration | Dermabond | This special glue holds a wound together. | Dyna Scar 690rs, Woundseal 3426 rs (Pack of 2) | Closing the wound |  |  |  |
| Abrasion | require no active treatment except keeping the area clean, initially with soap and water. | - |  |  |  |  |  |
| Puncture, Penetrating Wounds | 1st Generation Cephalosporins. Antibiotic Creams & Ointments (Neosporin, Polysporin), Tetanus Shot (if required) | Antimicrobial |  | Preventing any further infections |  |  |  |
| Avulsion | Surgery under General Anaesthesia |  |  |  |  |  |  |
| Amputation | Torniquet,Antibiotic Cream (Neosporin, Polysporin, Bacitracin) |  |  | To stop the flow of contaminated blood, and preventing it |  |  |  |
| Human and [animal bites](https://www.emedicinehealth.com/animal_bites/article_em.htm) | Antibiotic Cream (Neosporin, Polysporin, Bacitracin), Clean Bandage | Preventing any further infections |  | Anti-microbial |  |  |  |
| Pressure sores | Bandages like films, gauzes, gels, foams and treated coverings. | To keep the wound moist, clean, to prevent further infection |  |  |  |  |  |
| Crush Injury (Open) | Apply pressure to stop bleeding, cover with a wet cloth or bandage. |  |  |  |  |  |  |
| Hematomas | Vit E, NSAIDs, Garlic supplements, Ice packs |  | Evion Forte (155rs) OZiva Plant Based Natural Vitamin E 799rs 30 capsules  Dolo 650 (26rs)  Paracetamol tablets 9rs) |  |  |  |  |
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<https://www.mayoclinic.org/first-aid/first-aid-puncture-wounds/basics/art-20056665>

<https://en.wikipedia.org/wiki/Wound>

<https://uvahealth.com/services/plastic-surgery/laceration-repair>

<https://www.webmd.com/first-aid/accidental-amputation>

https://medlineplus.gov/ency/article/000024.htm

<https://www.mayoclinic.org/first-aid/first-aid-animal-bites/basics/art-20056591>

<https://www.grandviewresearch.com/industry-analysis/medical-tapes-bandages-market>

Medical Tapes

* Fabric Tapes
  + Acetate
  + Viscose
  + Cotton
  + Silk
  + Polyester
  + Other Fabric Tapes
* Paper Tapes
* Plastic Tapes
  + Polypropylene
  + Other Plastic Tapes

 The global medical tapes and bandages market is projected to reach USD 7.39 Billion by 2022 from USD 6.13 Billion in 2017, at a CAGR of 3.8%.

https://www.marketsandmarkets.com/Market-Reports/medical-tape-and-bandage-market-108350122.html