CHRONIC DISEASES

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Problem:

Juvenile diabetes Type 1, but also Type 2 diabetes. It is difficult to both detect and inject insulin in children.

Possible solutions:

Detecting blood sugar levels in a convenient ways and injecting insulin in children, so that it is less of a hindrance to their lives.
Organ Failure

Problem:

When fixing one organ, you are simultaneously affecting other organs.

Solution:

Artificial immune system. Independent medication that does not depend on the immune system.

Releasing interferons to protect cells of other organs.
Hepatitis C

Problem:

A viral disease that destroys the liver.

Solution:

Destroy the protein that makes up the virus and then the viral infection would not kill off the liver cells.

Coming up with a vaccine.
Cancer

**Problem:**
To avoid chemotherapy. People die from the treatment rather than the actual disease.

**Solution:**
Looking for a medication that does not bring about the side effects of current chemotherapy. Looking at the signaling pathways and look for any abnormal use of a singular pathway. Mapping the pathway, and then turning it off.
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