1.25 million
American adults and children have Type 1 Diabetes

Type 1 Diabetes
Is a disease in which one’s immune cells destroy pancreatic beta cells and result in little to no insulin production.

Diabetic Complications
- Nerve Damage
- Kidney Damage
- Vision Impairment

Diabetic complications are associated with poor blood flow

C-peptide/Albumin Complex binds to red blood cells to open blood vessels & increase blood flow through eNOS.

Treatments
Insulin Therapy:
- Syringe Injections
- Pen Injections
- Insulin Pump

Insulin aids in the uptake of blood sugar, but does not improve blood flow in restricted blood vessels

Connectng Peptide (C-peptide)
- 31 Amino Acid peptide
- Co-secreted with Insulin in equal amounts

Functions:
- Insulin synthesis
- Increase oxygen uptake
- Increase blood flow (endothelial Nitric Oxide Synthase or eNOS)

References: