



World TB Day Presentation

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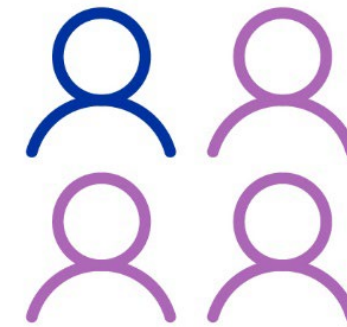
Tuberculosis and Diabetes

Why should we be concerned?

Diabetes is a Tuberculosis (TB) risk factor.

- Persons with TB infection and diabetes are more likely to develop TB disease than those who do not have diabetes.
- Diabetes causes a 3x increase in TB risk and a 2x increase in adverse TB treatment outcomes.
- According to the CDC, 1 in 4 people with TB disease also have diabetes.

2021 Tuberculosis (TB) Surveillance Report



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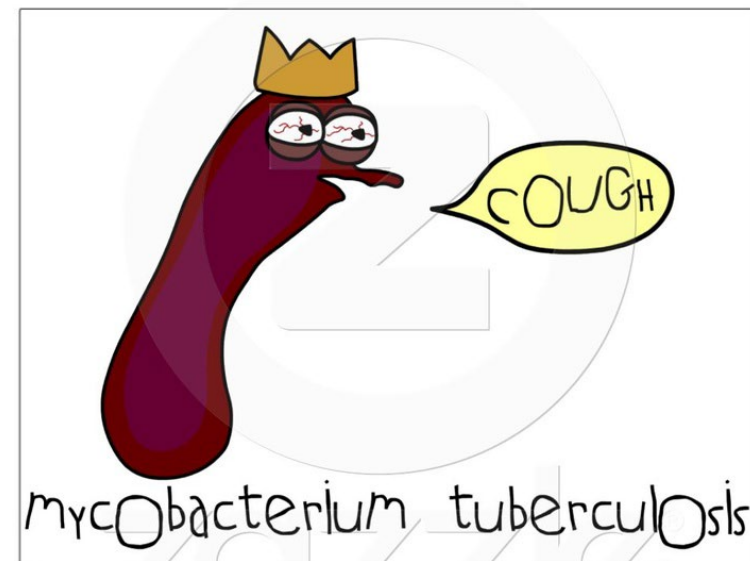
www.cdc.gov/tb



Tuberculosis and Diabetes

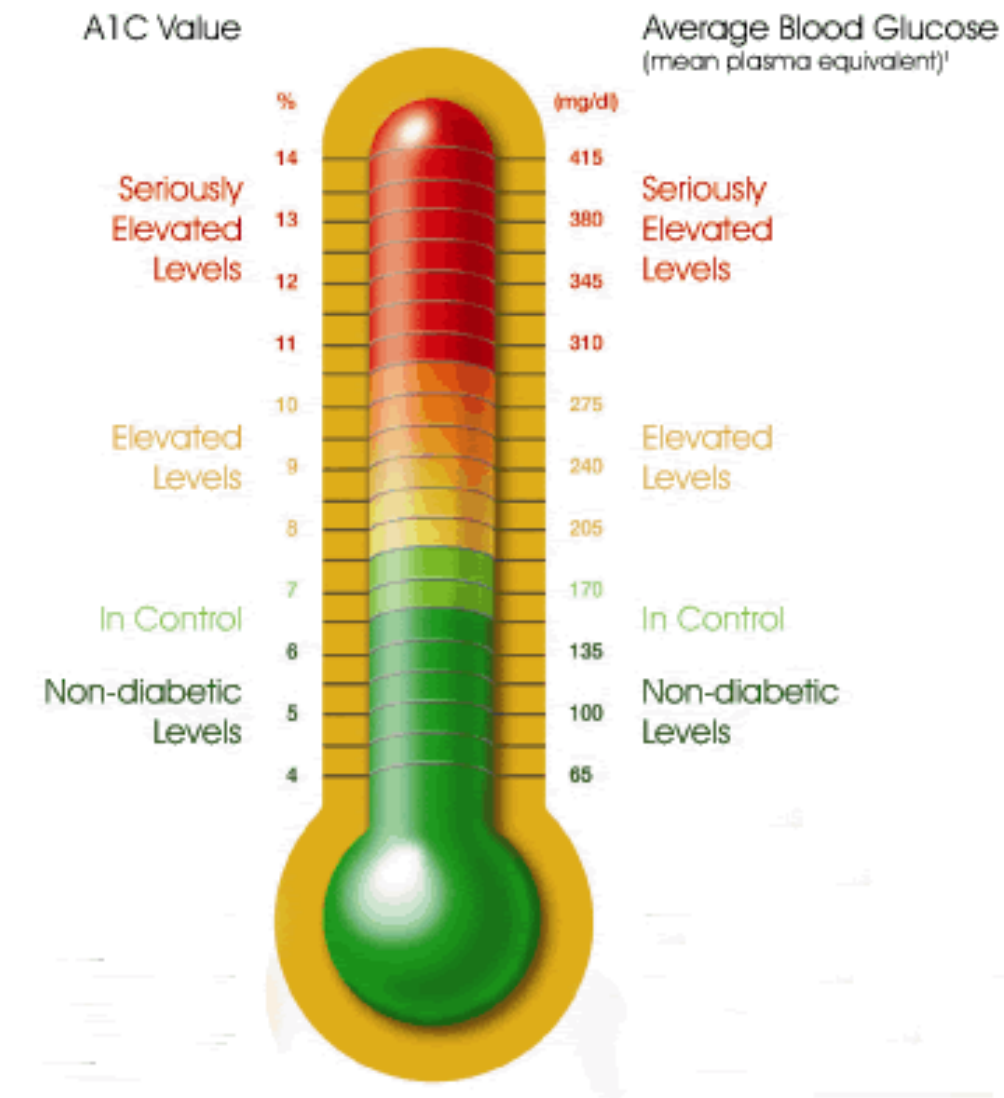
Relationship

- Both manageable diseases
- Medication compliance is the key to successful outcomes
- Effective case management leads to medication compliance



Tuberculosis and Diabetes

- From 2012 – 2022 DCPH successfully managed more than 600 high-risk diabetics.
- Reducing A1C in 80% of patients participating.
- Savings in some years an estimated \$800,000 in complication care.



Tuberculosis and Diabetes

Similarities

- TB Case Management
 - Medications
 - Group and individual education
 - Home/office visits
 - Laboratory services
 - Individual case managers
 - Screenings
 - DOT/VDOT
- Diabetes Case Management
 - Medications
 - Group and individual education
 - Home/office visits
 - Laboratory services
 - Testing supplies
 - Individual case managers
 - Screenings
 - DOT/VDOT

Tuberculosis and Diabetes

Reasons for Success

- Constant Contact
 - Via phone/text/home visits
 - Electronic asynchronized platform
 - Medication tracking
 - Required office visits
- Caring environment
 - Family involvement
 - Foster long-term relationships
 - Assistance in social service

Tuberculosis and Diabetes

Resources

National Center for HIV, Viral Hepatitis, STD, and TB Prevention (NCHHSTP): CDC.

Restrepo BI. Diabetes and Tuberculosis. Microbiol Spectr. 2016 Dec;4(6):10.1128/microbiolspec.TNMI7-0023-2016. doi: 10.1128/microbiolspec.TNMI7-0023-2016. PMID: 28084206; PMCID: PMC5240796.

Siemens Healthineers. 2018. Diabetes Management Tool: Point of Care

Thank you!

