Utilizing the TB and Diabetes Flipchart

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TB-Diabetes, Hawaii, 2009 - 2013

- 534 total TB patients 21 years or older
- 163 (31%) with diagnosed diabetes

- Underestimate of true prevalence
  Hawaii DOH 2013

TB Cases by Country of Birth, 2012

- Philippines 53.6%
- United States 11.2%
- Fed. States of Micronesia 8.0%
- Korea 7.2%
- Rep. of Marshall Islands 5.6%
- Vietnam 4.0%
- China 2.4%
- Laos 1.6%
- Others 6.4%
  Thailand, India, New Zealand, Turkey, Mongolia, Guam, Brazil, Indonesia
Utilizing the TB and DM Flipchart

The flipchart supports:

- Development of the patient/health care worker relationship
- Education on standard TB and diabetes management plans
- Adherence to TB and diabetes control activities
- Patient monitoring of TB and diabetes care
- Reinforcement of positive health behaviors
Utilizing the TB and DM Flipchart 1/23/2014

Week 1 (Day 1)
Help stop the spread of TB
How can you help stop the spread of TB?

Week 9
Diabetes can be controlled through a healthy lifestyle
How can diabetes be controlled?

Educating TB Staff about Diabetes

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Nurses’ Concerns

- Lack of staffing
- Language barrier
- Diabetes too complicated; CDE’s job
- Patients overwhelmed
- No health insurance, no PCP, no diabetes meds
- Western medicine not accepted
- Healthy foods costly
- Nurses not convinced that education affects A1c

Point-of-care A1C Tests

Hawaii TB Program routine standing orders:

- Baseline labs to include A1c at start of TB treatment
- Repeat 3 months
- Repeat 6 months

Blood Glucose Testing

- Obtain blood glucose results at monthly clinic visit
- Use results to guide discussion on healthy food choices and physical activity
Tuberculosis-Diabetes Documentation

1. Date and location of visit
2. Diabetes test results: SBGM, A1c
3. How long did you use the flipchart today? None, <5, 5-10, 10 or more minutes
4. Is patient seeing provider for diabetes care?
5. Is patient taking diabetes medications?
6. Comments
7. Under 1 minute to document TB-DM encounter
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First case in Hawaii

Average A1c During TB Treatment
(N=25)

People change if it is important and they have confidence!
Other assessment considerations:
- What motivates the patient?
- What are their values?
- What do they already know and are they ready to learn more?
- Are they ready to make a change?
- How important is it to make a change?
- What are they willing to do?
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Summary of Recommendations
1. TB program leaders to promote and encourage use of flipchart
2. Provide staff with training on diabetes self-care management and use of flipchart
3. Provide staff with hands-on training on use of A1c and glucometer
4. Create Policies and Procedures
5. Create documentation form
6. Trust in the process and the patient

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Pacific TB-DM flipchart available at:

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Mahalo!