



# **Oakland County Case Presentation**

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# Disclosures

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None.

I have no relevant financial relationships to disclose.

# Client “JD”

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- 50-year-old male
- Hospitalized after fainting at work
  - Weight loss
  - Productive cough
  - Smoker
  - Known exposure to grandmother who had TB
  - No known TB testing in past
  - Client was diagnosed with TB and in isolation
- Oakland County Health Division notified



# Case Interview

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- **Client did not have long-term residence**
  - Stays between his mother's apartment, aunt's apartment, and extended stay hotels
  - Apartments were 1-bedroom
- **Employed full time**
  - Works at a fertilizer plant
  - Works outside only and wears a mask



# Isolation upon Discharge



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- **OCHD medical director determined client needed to be in isolation**
  - Sputum smear positive
  - Cavity on CXR
  - Had not been on 14 days of RIPE
- **OCHD contacted MDHHS TB Unit for assistance putting client in motel**
  - Client unable to work so he was unable to afford hotel
  - Could not send client to elderly mother or aunt's 1-bedroom apartment

# Labs

- Client 100% compliant on eDOT
- Fully susceptible to RIPE
- Sputum remained culture and smear positive
  - 3 negative cultures beginning week 13 of treatment

## Sputum Results

Date	Smear		Culture	
	Pos	Neg	Pos	Neg
Week 1	✓		✓	
Week 2	✓		✓	
Week 3	✓		✓	
Week 4	✓		✓	
Week 5		✓	✓	
Week 6	✓		✓	
Week 7	✓		✓	
Week 8	✓		✓	
Week 9	✓		✓	
Week 10		✓		✓
Week 11	✓			✓
Week 12	✓		✓	
Week 13		✓		✓

# Ending Isolation

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- 4 weeks after initiation
- Sputum smears still positive
- Fully susceptible
- Client approved to go back to work
  - Works outside
  - Has to wear a mask
  - Low risk to others
- OCHD / MDHHS agreed to continue providing hotel
  - Elderly mother and aunt higher risk contacts
  - Client happy with this arrangement



# Contact Testing

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- **Mom**
  - Negative TSPOT on test 1
  - Positive TSPOT on test 2
  - Completed LTBI
- **Aunt**
  - Negative TSPOT x 2
- **No additional contacts identified**
  - No work contacts







# Thank you

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