



TB Nurse Assessment

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Comprehensive TB Nurse Case Management

June 5 – June 6, 2024

San Antonio, Texas

Lori Eitelbach, BSN, RN has the following disclosures to make:

- No conflict of interests
- No relevant financial relationships with any commercial companies pertaining to this educational activity



TB NURSE ASSESSMENT

COMPREHENSIVE TB
NURSE CASE
MANAGEMENT

JUNE 5, 2024

HEARTLAND
NATIONAL TB
CENTER

SAN ANTONIO,
TEXAS

LORI EITELBACH,
BSN, RN



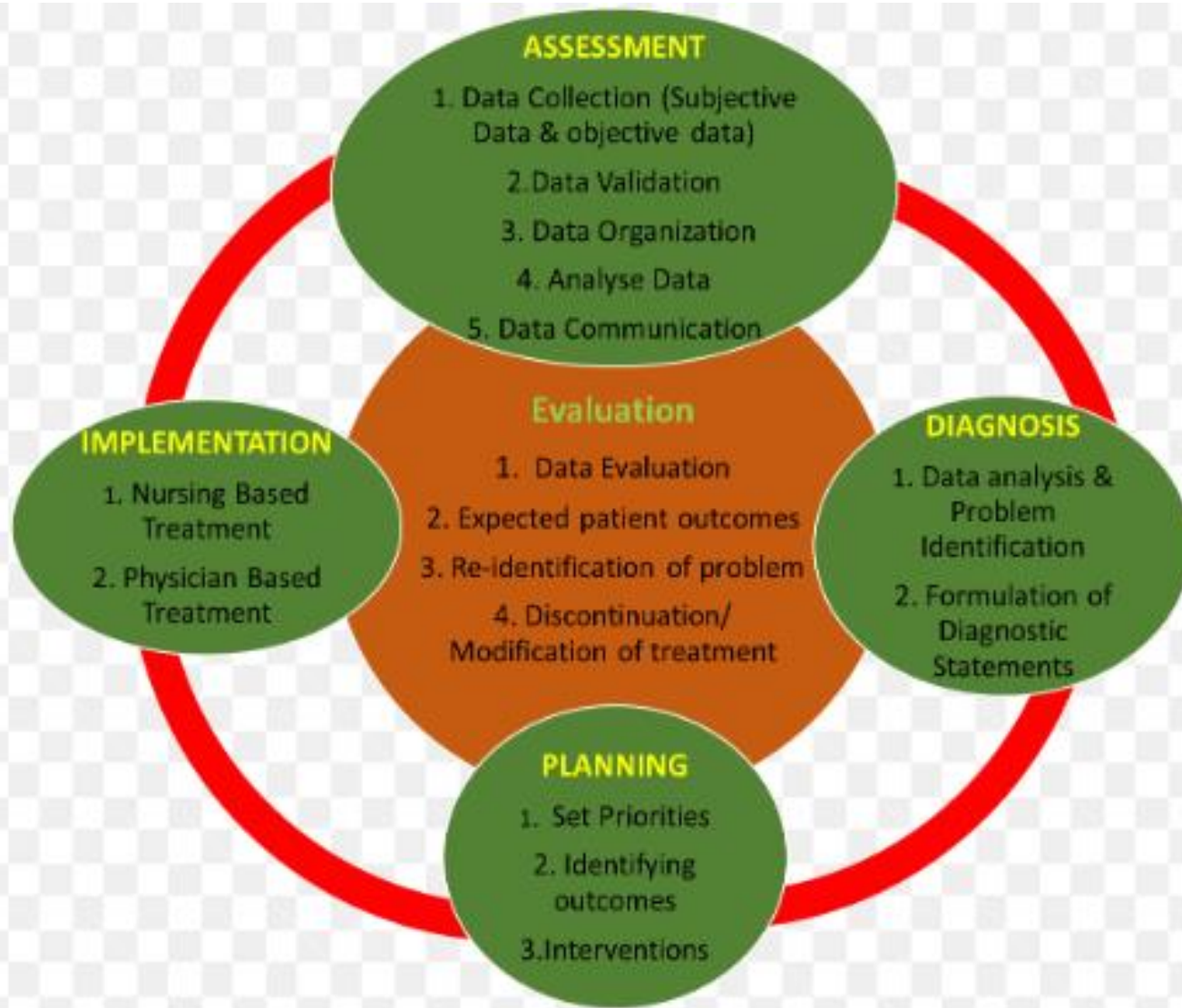
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OBJECTIVES

-
- Understand purpose of client assessment
 - Develop POC with goal to successfully complete treatment
 - Identify components of client assessment
 - Demographics
 - Medical History
 - Co-morbidities
 - Medications
 - Signs and Symptoms of TB
 - TB History
 - Social History



NURSING PROCESS

STEPS IN ASSESSMENT PROCESS

-
1. Notification of case and gathering of data/medical records
 2. Time frame of client visit and interview
 3. Initial home visit
 4. Evaluate residence
 5. Determine infectiousness
 6. Conduct client assessment
 7. Provide client and family education
 8. Establish plan for ensuring access to care and adherence
 9. Assessment summary

STEP I: NOTIFICATION OF CASE AND GATHERING DATA



- Gather background information and medical records in preparation for first interview
- Hospital, PCP, Health Department
- Important information to obtain includes:
 - Prior imaging, especially CXR's or Chest CT's
 - Microbiology and chemistry lab results
 - TST or IGRA results
 - H&P's, admission or discharge summaries, office visit notes, med lists, allergies, prior TB or TBI treatment notes

RADIOLOGY



Obtain prior imaging reports and actual images, if possible.

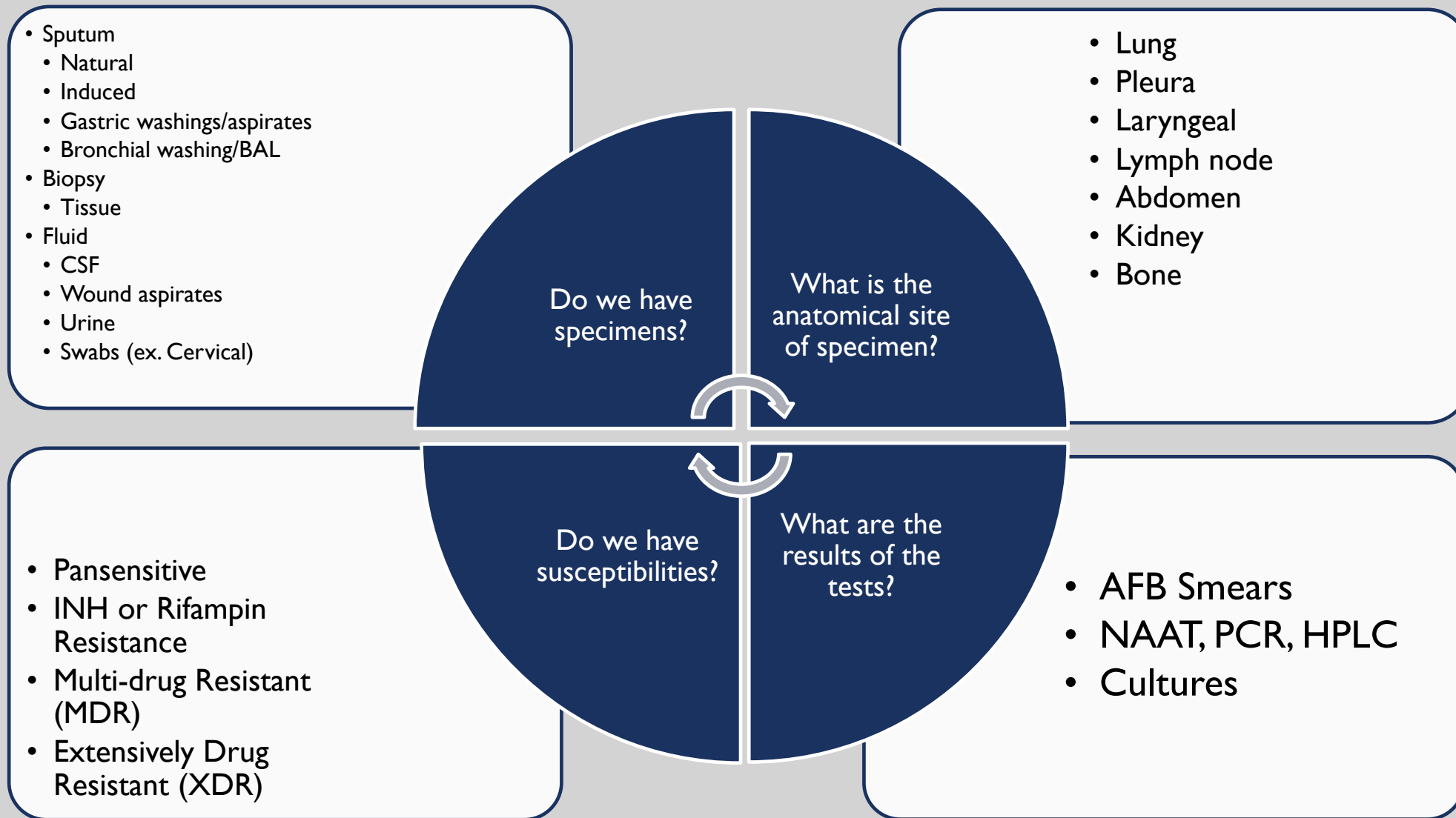
Are there comparisons available?

What radiographic evidence do we have for disease?

- Cavities
- Infiltrates
- Opacities
- Locations of abnormalities
- Bone destruction
- Adult vs child
- HIV/immunosuppressed

Determine stability, improvement or worsening of findings.

BACTERIOLOGY



STEP I NOTIFICATION OF CASE AND GATHERING DATA, CONTINUED

- Review report for:
 - Completeness
 - Case's risk of transmission
 - Determination of necessary control measures
- Contact provider or institution immediately for important missing information or if inappropriate treatment plans are noted
- Discuss case with referring provider, IP and/or client to get good picture of client's case and to help with infectiousness determination

STEP 2: TIME FRAME OF CLIENT VISIT AND INTERVIEW

Schedule appt w/ client for assessment and development of POC

- Conduct face to face interview (not over phone) < 1 business day of notification for cases indicating infectiousness
- Conduct interview of non-infectious clients < 3 business days of notification
- Go to place of residence for client < 3 business days of initiating contact investigation

DIGNITY AND RESPECT

-
- Build rapport – do not interrogate or judge - Keep An Open Mind!
 - Confidentiality - duty of anyone entrusted with health information to keep that information private
 - Privacy - right of an individual to keep his or her health information private
 - Ensure client's comfort
 - Respect their surroundings
 - Put on mask discreetly at front door
 - Don't have to wear mask if outside
 - Watch for use of stigmatizing language

STEP 3: INITIAL HOME VISIT

Prepare your client for the length of each visit.

Arrive on time or call if you're going to be late.

Respect their home; ask if you should take off your shoes; consider your cultural competencies.

Physical comfort may influence how complete and informative your client's answers will be. Do they prefer to sit on couch? Outside?

A thorough understanding of your client will yield a high-quality treatment plan and may produce better adherence and outcomes.

STEP 4: EVALUATE THE RESIDENCE

Air flow

Size

Initial visit acts as guide to how sick the client is and for possible cues to the level of transmission

- Frequency and quality of cough; client's appearance
- People who reside in home with client



STEP 5: DETERMINE INFECTIOUSNESS

What does it mean to be infectious?

What factors predict possible TB transmission?

- Site of disease
- Sputum bacteriology
- Radiographic findings
- Increased aerosolization of respiratory secretions
 - Coughing
 - Singing
 - Sneezing
- Age
- Treatment status

INFECTIOUSNESS OF PEOPLE KNOWN TO HAVE OR SUSPECTED OF HAVING TB DISEASE*

Factors associated w/ noninfectiousness

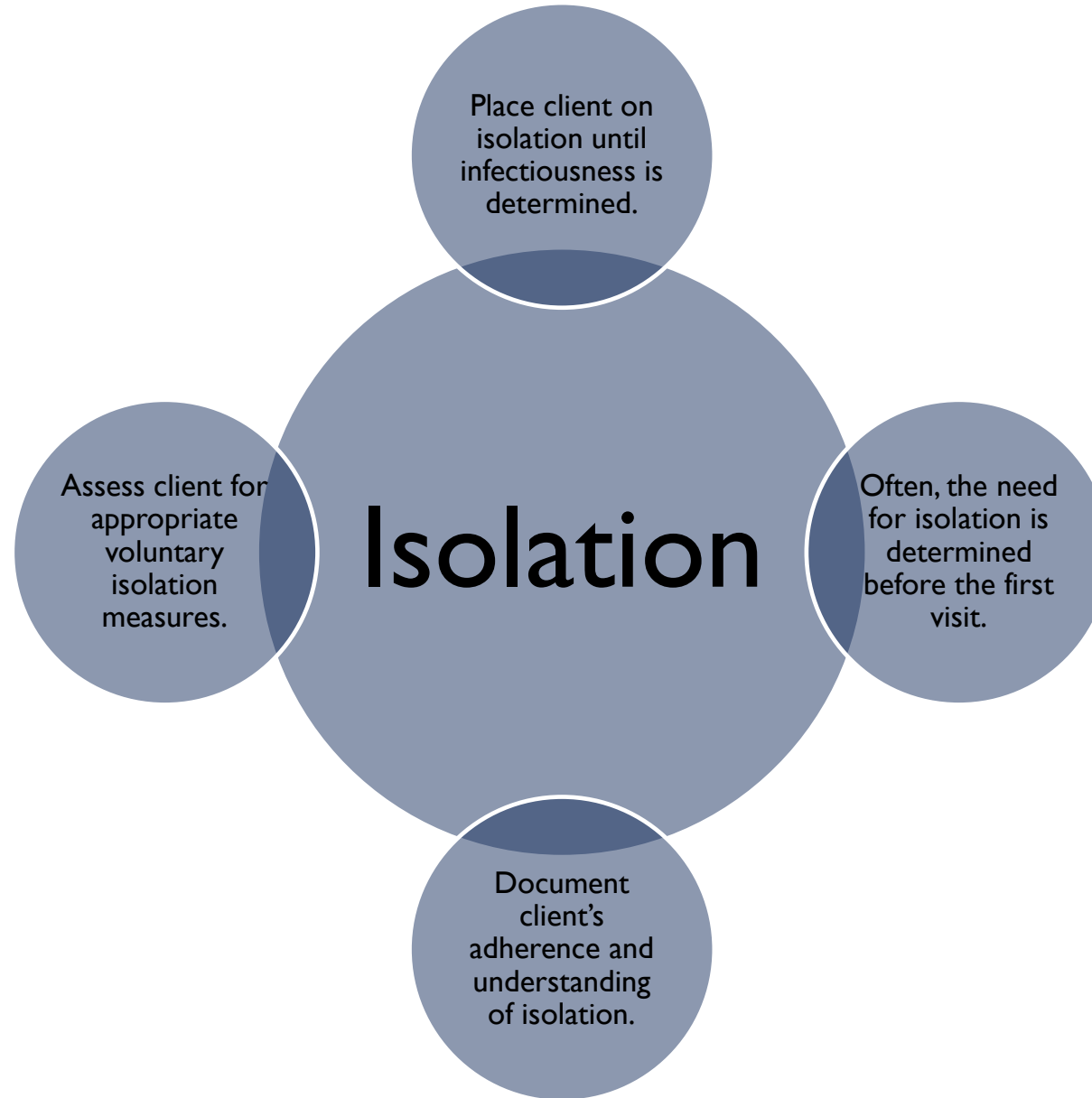
- No cough
- No cavity in the lung
- No acid-fast bacilli on sputum smear
- Extrapulmonary (non-pulmonary) TB disease
- Receiving adequate treatment for 2 weeks or longer
- Not undergoing cough-inducing procedures
- Negative sputum cultures

Factors associated w/ infectiousness

- Presence of a cough
- Cavity in the lung
- Acid-fast bacilli on sputum smear
- TB disease of the lungs, airway, or larynx
- Not receiving adequate treatment
- Undergoing cough-inducing procedures (e.g., bronchoscopy, sputum induction, and administration of aerosolized medications)
- Positive sputum cultures

*Infectiousness depends on a variety of factors. Clinicians should consider all of these factors when determining whether a TB client should be considered infectious.

DETERMINE THE NEED FOR ISOLATION



STEP 6: CONDUCT CLIENT ASSESSMENT

Texas Department of State Health Services
Tuberculosis Initial Health Risk Assessment/History

| | | | | | |
|----------------|--|-----------|--------|---------|---------|
| SSN | | Medicaid# | DOB | Sex | Phone 1 |
| Last | | First | Middle | Phone 2 | |
| Street Address | | City | County | State | Zip |

| ATS Classification | |
|---|--|
| <input type="checkbox"/> 0-No M. TB exposure, not infected | <input type="checkbox"/> 3-M. TB disease, clinically active |
| <input type="checkbox"/> 1-M. TB exposure, no evidence of infection | <input type="checkbox"/> 4-Previous M. TB disease, not clinically active |
| <input type="checkbox"/> 2-M. TB infection, no TB disease | <input type="checkbox"/> 5-M. TB suspect, diagnosis pending |

| Initial Assessment | |
|---|--|
| Primary reason evaluated for TB: <input type="checkbox"/> Contact investigation <input type="checkbox"/> Immigration medical exam <input type="checkbox"/> Health care visit | |
| <input type="checkbox"/> Employment/administrative testing <input type="checkbox"/> Targeted testing <input type="checkbox"/> TB symptoms <input type="checkbox"/> Abnormal chest radiograph (consistent with TB) <input type="checkbox"/> Incidental lab result <input type="checkbox"/> Unknown | |
| Date of assessment: _____ Assessment conducted by: _____ | |
| Location of the assessment: <input type="checkbox"/> Clinic <input type="checkbox"/> Patient home <input type="checkbox"/> Hospital <input type="checkbox"/> Jail/prison | |
| <input type="checkbox"/> Long term care facility <input type="checkbox"/> Other, specify other: _____ | |

| Pediatric TB Patients (<15 years old) | |
|---|--------------------------------------|
| Country of birth for primary guardian(s): _____ | Primary guardian relationship: _____ |
| Patient lived outside US for >2 months: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | Countries: _____ |

| Demographics | |
|---|--|
| Country of birth: _____ | Born in the US (or born abroad to a parent who was a US citizen): <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of arrival in the US: _____ | |
| Races: <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian or Pacific Islander <input type="checkbox"/> Other <input type="checkbox"/> Unknown <input type="checkbox"/> Refuse | Ethnicity: <input type="checkbox"/> Hispanic <input type="checkbox"/> Not Hispanic or Not Latino <input type="checkbox"/> Unknown <input type="checkbox"/> Refused |
| Extended race(s): _____ | Middle Eastern: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify country(ies): _____ |

| Foreign Birth or Travel | |
|---|---|
| Immigration status at first entry to the US: <input type="checkbox"/> Not applicable <input type="checkbox"/> Immigrant visa <input type="checkbox"/> Student visa <input type="checkbox"/> Employment visa <input type="checkbox"/> Tourist visa <input type="checkbox"/> Family/fiance visa <input type="checkbox"/> Refugee <input type="checkbox"/> Asylee or parolee <input type="checkbox"/> Other immigration status <input type="checkbox"/> Specify other: _____ | |
| Notice of arrival of alien with TB class: <input type="checkbox"/> A <input type="checkbox"/> B1 <input type="checkbox"/> B2 <input type="checkbox"/> B3 Alien number: _____ | |
| Binational status: <input type="checkbox"/> Contacts <input type="checkbox"/> Laboratory/radiologic testing <input type="checkbox"/> Counter Border Crosser or Transnational <input type="checkbox"/> Not Counted Border Crosser <input type="checkbox"/> Counted by Binational Program Only/Binational | |
| Residence or travel in country with high prevalence of TB in last 2 years: <input type="checkbox"/> Yes <input type="checkbox"/> No | Country: _____ |
| Date of travel: _____ | Approximate length of stay/residence: _____ |
| Have you traveled for 8 consecutive hours while symptomatic? <input type="checkbox"/> Yes <input type="checkbox"/> No | Method of transportation: <input type="checkbox"/> Flight <input type="checkbox"/> Bus <input type="checkbox"/> Ship/boat |
| Specify: _____ | |
| Comments: _____ | |

TB-202

TB Initial Health Risk Assessment/History Form

<https://www.dshs.texas.gov/tuberculosis-tb/texas-dshs-tb-program-tb-forms-resources>

| | | | | |
|----------------|-----------|--------|---------|---------|
| SSN | Medicaid# | DOB | Sex | Phone 1 |
| Last | First | Middle | Phone 2 | |
| Street Address | City | County | State | Zip |

ATS Classification

- | | |
|---|--|
| <input type="checkbox"/> 0-No M. TB exposure, not infected | <input type="checkbox"/> 3-M. TB disease, clinically active |
| <input type="checkbox"/> 1-M. TB exposure, no evidence of infection | <input type="checkbox"/> 4-Previous M. TB disease, not clinically active |
| <input type="checkbox"/> 2-M. TB infection, no TB disease | <input type="checkbox"/> 5-M. TB suspect, diagnosis pending |

Initial Assessment

Primary reason evaluated for TB: ☐ Contact investigation ☐ Immigration medical exam ☐ Health care worker
☐ Employment/administrative testing ☐ Targeted testing ☐ TB symptoms ☐ Abnormal chest radiograph
 (consistent with TB) ☐ Incidental lab result ☐ Unknown

Date of assessment: _____ Assessment conducted by: _____

Location of the assessment: ☐ Clinic ☐ Patient home ☐ Hospital ☐ Jail/prison
☐ Long term care facility ☐ Other, specify other: _____

Pediatric TB Patients (<15 years old)

Country of birth for primary guardian(s): _____ Primary guardian relationship: _____
 Patient lived outside US for >2 months: _____ Countries: _____
☐ Yes ☐ No ☐ Unknown

| Class | Type | Description |
|-------|---|--|
| 0 | No TB exposure Not infected | No history of TB exposure and no evidence of M. tuberculosis infection or disease Negative reaction to TST or IGRA |
| 1 | TB exposure No evidence of infection | History of exposure to M. tuberculosis Negative reaction to TST or IGRA (given at least 8 to 10 weeks after exposure) |
| 2 | TB infection No TB disease | Positive reaction to TST or IGRA Negative bacteriological studies (smear and cultures) No bacteriological or radiographic evidence of active TB disease |
| 3 | TB clinically active | Positive culture for M. tuberculosis OR Positive reaction to TST or IGRA, plus clinical, bacteriological, or radiographic evidence of current active TB |
| 4 | Previous TB disease (not clinically active) | May have past medical history of TB disease Abnormal but stable radiographic findings Positive reaction to the TST or IGRA Negative bacteriologic studies (smear and cultures) No clinical or radiographic evidence of current active TB disease |
| 5 | TB suspected | Signs and symptoms of active TB disease, but medical evaluation not complete |

DEMOGRAPHICS

| Demographics | |
|--|---|
| Country of birth: | Born in the US (or born abroad to a parent who was a U.S. citizen): <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of arrival in the US: | |
| Races: <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> White <input type="checkbox"/> Native Hawaiian or Pacific Islander <input type="checkbox"/> Other <input type="checkbox"/> Unknown <input type="checkbox"/> Refuse | Ethnicity: <input type="checkbox"/> Hispanic <input type="checkbox"/> Not Hispanic or Not Latino <input type="checkbox"/> Unknown <input type="checkbox"/> Refused |
| Extended race(s): | Middle Eastern: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify country(ies): |

- Attempt to get as much information as possible including middle name and social security number, if possible
- Current address, previous address, length of residence
- ALL phone numbers by which client can be reached
- Emergency contact names and numbers

| Foreign Birth or Travel | |
|---|---|
| Immigration status at first entry to the US: <input type="checkbox"/> Not applicable <input type="checkbox"/> Immigrant visa <input type="checkbox"/> Student visa <input type="checkbox"/> Employment visa <input type="checkbox"/> Tourist visa <input type="checkbox"/> Family/fiancé visa <input type="checkbox"/> Refugee <input type="checkbox"/> Asylee or parolee <input type="checkbox"/> Other immigration status <input type="checkbox"/> Unknown Specify other: | |
| Notice of arrival of alien with TB class: <input type="checkbox"/> A <input type="checkbox"/> B1 <input type="checkbox"/> B2 <input type="checkbox"/> B3 Alien number: | |
| Binational status: <input type="checkbox"/> Contacts <input type="checkbox"/> Laboratory/radiologic testing <input type="checkbox"/> Counter Border Crosser or Transnational <input type="checkbox"/> Not Counted Border Crosser <input type="checkbox"/> Counted by Binational Program Only/Binacional | |
| Residence or travel in country with high prevalence of TB in last 2 years: <input type="checkbox"/> Yes <input type="checkbox"/> No Country: | |
| Date of travel: | Approximate length of stay/residence: |
| Have you traveled for 8 consecutive hours while symptomatic? <input type="checkbox"/> Yes <input type="checkbox"/> No | Method of transportation: <input type="checkbox"/> Flight <input type="checkbox"/> Bus <input type="checkbox"/> Train <input type="checkbox"/> Ship/boat Specify: |
| Comments: | |

FOREIGN BIRTH OR TRAVEL

PREVIOUS HISTORY OF TB AND/OR EXPOSURE

| Previous History of TB and TB Infection | |
|--|---|
| Recurrence or previous diagnosis of TB or TB infection: <input type="checkbox"/> TB Disease <input type="checkbox"/> TB Infection <input type="checkbox"/> No <input type="checkbox"/> Unknown | |
| History: <input type="checkbox"/> Documented <input type="checkbox"/> Self report | |
| Previous TB occurred in US: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| State/Country: | State case number (if reported in Texas after 1993): |
| Most recent year of previous diagnosis: | More than one previous episode: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk |
| Start date previous TB treatment: | Start date previous TB infection treatment: |
| Stop date previous TB treatment: | Stop date previous TB infection treatment: |
| Previous TB drug regimen/Dosage (mg): | Previous TB infection drug regimen/Dosage (mg): |
| Previous TB treatment documented: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | Previous TB infection treatment documented: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| Previous TB treatment considered complete: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | Previous TB infection treatment considered complete: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| Previous positive IGRA: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> QFT | Date of chest X-Ray: |
| <input type="checkbox"/> T-SPOT Date: | Result: <input type="checkbox"/> Abnormal <input type="checkbox"/> Normal <input type="checkbox"/> Unknown |
| Previous positive TST: <input type="checkbox"/> Yes <input type="checkbox"/> No | Abnormal result: <input type="checkbox"/> Cavitory <input type="checkbox"/> Non-cavitory |
| Induration: mm Date: | |
| Comments: | |

| History of TB Exposure | |
|--|--------------------------|
| Known exposure to active TB case: <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| How many years: <input type="checkbox"/> Greater than 3 years <input type="checkbox"/> 3 years or less | |
| Date: | Relationship to patient: |
| Comments: | |

- Has your client ever been diagnosed with TB or LTBI in the past?
- When and for how long?
- Is your client a contact to another active case? MDR case?
- Obtain prior documentation if possible!

SYMPTOM ASSESSMENT

| Symptoms | | | |
|--|-------------------|---|-------------------|
| TB symptoms screening performed: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Patient is symptomatic: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | |
| Date of TB symptoms assessment: | | | |
| Symptom | Onset date | Symptom | Onset date |
| Chest pain: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Weight loss (>10%): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Shortness of breath: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Frequent urination, bloody urine or flank pain: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Fever/chills: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Headache, decreased level of consciousness or neck stiffness: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Night sweats: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Swelling of joint/vertebra: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Cough (persistent x3 weeks): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Enlarged cervical lymph nodes: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Productive cough: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Swelling of lymph nodes: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Hemoptysis: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Eye pain or blurry vision: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Fatigue: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Pain swelling in other locations: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | |
| Loss of appetite: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable | | Other: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable Specify other: | |
| Source of symptom information: <input type="checkbox"/> Patient interview <input type="checkbox"/> Relative/friend <input type="checkbox"/> Medical record <input type="checkbox"/> Other Specify other: | | Respiratory isolation indicated: <input type="checkbox"/> Yes <input type="checkbox"/> No Date placed in respiratory isolation: | |
| Notes: | | | |

- History of presenting signs and symptoms
- When did your client's symptoms first begin?
 - Many clients can't remember when they first felt sick
 - Refer back to important dates and times
- Why is it important to know when symptoms first appeared?
 - Determining infectious period
 - Conducting contact investigation
- Record all signs and symptoms of TB including date of onset
- Use comments field when necessary to document details

ASSESSING SYMPTOMS

Cough – productive/non-productive, duration, SOB/pain

Hemoptysis – color, quality, amount

Night Sweats – duration, soaked sheets, how often

Weight Loss – duration, how much, nausea/vomiting,
access to food

Fever – how high, duration, how often

VITAL SIGNS



| Clinical | | | |
|--|-----|--------------|--|
| Date of clinical assessment: | | | |
| Weight: | lbs | kgs | Recommendations based on BMI: |
| Height: | ft | in | |
| Weight at least 10% less than ideal body weight: | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Estimated weight, 3 months ago: | | lbs | kg |
| Blood pressure: | | systolic | diastolic |
| Date temperature collected: | | Temperature: | F C |

MEDICAL HISTORY

| Medical History | |
|---|-----------|
| Date medical history collected: | |
| Allergies: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Arthritis/gout: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Use of <input type="checkbox"/> Remicade <input type="checkbox"/> Humira <input type="checkbox"/> Enbrel | |
| Autoimmune: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Cancer: <input type="checkbox"/> Head <input type="checkbox"/> Neck <input type="checkbox"/> Other | Comments: |
| Specify other: | |
| Chronic malabsorption syndrome: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Chronic renal failure: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Corticosteroids (received equivalent of >15 mg/d Prednisone for >1 month): <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Diabetes mellitus: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| <input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2 | |
| Diabetes controlled: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | Comments: |
| Controlled through: <input type="checkbox"/> Pills <input type="checkbox"/> Insulin <input type="checkbox"/> Unknown | Comments: |
| GI/gastroectomy or jejunioileal bypass: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Gynecological: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Heart disease/PVD: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Hypertension/CVA: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Intellectual disability/developmental delay: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Leukemia: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Liver disease/hepatitis (risk factors HepB/C: IDU, HIV+ or birth in Asia, Africa or Amazon basin): <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Lymphoma: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Mental illness(es): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Anxiety | Comments: |
| <input type="checkbox"/> Depression <input type="checkbox"/> Schizophrenia <input type="checkbox"/> Other <input type="checkbox"/> Unknown | |
| Specify other: | |
| When (select all that apply): | |
| <input type="checkbox"/> Currently <input type="checkbox"/> Within past 12 months <input type="checkbox"/> Ever | |
| Neurological/seizures: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Organ transplant: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Post partum: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Respiratory problems: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Silicosis/asbestosis: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Skin disease: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| STD: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Surgeries/hospitalizations: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Thyroid: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Vision/hearing disorder: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Other medical history: <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: |
| Specify other: | |

[illegible]

- List all medications your client takes including vitamins, herbal supplements and OTC medicines.
- Get as much detail as possible including who prescribed the med, start date, dosage and schedule.
- From now on, no acetaminophen.

COMORBIDS

- Respiratory – COPD vs cancer vs TB vs NTM, imaging correlation
- Cardiac – potential drug interactions
- Mental health problems – potential drug interactions, compliance, DOT concerns
- Renal – check labs, dialysis – DOT, timing of meds
- Liver disease – Hep B or C, cirrhosis, check labs, ETOH, acetaminophen products
- Diabetes – potential drug interactions, controlled vs uncontrolled, complications
 - higher risk of TB and face worse treatment outcomes
- TNF-inhibitors – increased risk of TB, anergy
 - Antibodies against TNF-alpha cause increased susceptibility of TB. Clients treated with TNF-alpha antagonists have increased risk of TB.
- HIV – CD4 count, viral load, ART, TB med substitution, complications, anergy
 - HIV weakens immune system making it harder for body to fight TB
 - People with HIV are 15-20 x more likely to develop active TB
- Malnutrition
 - Weight gain of 5% or less during the first 2 months of therapy is associated with an increased risk of relapse, even after controlling for other factors

A diagnosis of TB disease in a client should trigger testing for diabetes and HIV

| Rifamycins and Psychotropic Drugs: Drug-Drug Interactions | | | |
|---|---|---|--|
| General Tuberculosis (TB) Therapy Information | | | |
| Many psychotropic drugs are metabolized via the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is also a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is also a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. | | | |
| BRAND/GENERIC | CLINICAL USES | INTERACTIONS | RECOMMENDATIONS |
| Anti-Psychotics | | | |
| Aripiprazole | Schizophrenia, Bi-Polar Disorder, Major Depressive Disorder | RIF: Theoretically ↓ Aripiprazole levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Clozapine | Schizophrenia, Bi-Polar Disorder, Major Depressive Disorder | RIF: ↓ Clozapine to sub-therapeutic levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Haloperidol | Schizophrenia, Bi-Polar Disorder, Tourette's Disorder | RIF: May ↓ Haloperidol clearance | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Risperidone | Schizophrenia, Bi-Polar Disorder, Major Depressive Disorder | RIF: May ↓ Risperidone levels 43% - 51% | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Quetiapine | Schizophrenia, Bi-Polar Disorder, Major Depressive Disorder | RIF: Theoretically ↓ Quetiapine levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Anti-Anxiety Agents | | | |
| Zolpidem | Insomnia | RIF: ↓ Zolpidem levels 63% | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Buspirone | Anxiety Disorders | RIF: ↓ Anxiolytic effects of Buspirone; 83.7% - 89.6% levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Diazepam | Anxiety Disorders, Surgical Premedication | RIF: ↓ Anxiolytic effects of Diazepam; concentrations (50.9% decrease in AUC) and pharmacodynamic effects of Diazepam | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Midazolam | Anxiety Disorders, Percutaneous Procedures | RIF: Theoretically ↓ Alprazolam levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Alprazolam | Anxiety Disorders, Percutaneous Procedures | RIF: May ↓ to sub-therapeutic levels | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Anti-Depressants | | | |
| Nortriptyline | Depression | RIF: May ↓ effects of Doxepine | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Citalopram | Depression, Generalized Anxiety Disorder, Diabetic Neuropathy, Fibromyalgia, Osteoarthritis Pain | RIF: May ↓ effects of Venlafaxine | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Duloxetine | Depression, Social Anxiety Disorder, Panic Disorders | RIF: May ↓ Escitalopram (when co-administered with a potent CYP3A4 inhibitor (Ritonavir), a did not significantly alter the pharmacokinetics of Escitalopram) | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Trazodone | Depression, Generalized Anxiety Disorder | RIF: May ↓ effects of Desvenlafaxine | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Venlafaxine | Depression, Generalized Anxiety Disorder | RIF: May ↓ effects of Bupropion HCl | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Escitalopram | Depression, Seasonal Affective Disorder, Smoking Cessation | RIF: May bring about the loss of Sertraline efficacy; may double Sertraline clearance | Increase clinical monitoring; consider dose adjustment at initiation of therapy with a Rifampin. |
| Desvenlafaxine | Depression, Seasonal Affective Disorder, Smoking Cessation | | |
| Bupropion HCl | Depression, Obsessive Compulsive Disorder, Post Traumatic Stress Disorder, Social Anxiety Disorder, Premenstrual Dysphoric Disorder | | |
| Sertraline | Depression, Seasonal Affective Disorder, Smoking Cessation | | |

| Rifamycins and Cardiovascular Agents: Drug - Drug Interactions | | | |
|--|----------------------------------|---|--|
| General Tuberculosis (TB) Therapy Information | | | |
| Many cardiovascular agents are metabolized via the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is also a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. | | | |
| Generic | Clinical Effect | Interactions | Recommendations |
| Angiotensin Converting Enzyme (ACE) Inhibitors | | | |
| Angiotensin Converting Enzyme (ACE) Inhibitors | ↓ blood pressure | RIF: ↓ ACEI levels ~30% (poor evidence, no studies) | Increase BP monitoring; Consider ACEI dose adjustment. |
| Beta Blockers | | | |
| Beta Blockers | ↓ blood pressure, renoprotective | RIF: ↓ ABB levels ~35% (poor evidence, no studies) | Increase BP monitoring; Consider ABB dose adjustment. |
| metoprolol | ↓ blood pressure | RIF: ↓ metoprolol levels 33% | Increase BP monitoring; Consider dose adjustment. |
| propranolol | ↓ blood pressure | RIF: ↓ propranolol levels 34% | Increase BP monitoring; Consider dose adjustment. |
| Calcium Channel Blockers (CCBs) | | | |
| nifedipine | ↓ blood pressure | RIF: ↓ nifedipine levels 92-97% (Contraindicated) | Increase BP monitoring; Consider dose adjustment; Consider switching to other antihypertensive agents with less interaction. *Major interactions occur between orally administered nifedipine and rifampin. IV administration significantly reduces the potency of the interactions. |
| amlodipine | ↓ blood pressure | RIF: theoretically ↓ amlodipine levels | Increase BP monitoring; Consider dose adjustment; Consider switching to other antihypertensive agents with less interaction. |
| diltiazem | ↓ blood pressure | RIF: ↓ diltiazem levels | Increase BP monitoring; Consider dose adjustment; Consider switching to other antihypertensive agents with less interaction. |
| verapamil | ↓ blood pressure | RIF: ↓ verapamil levels 93-99% | Increase BP monitoring; Consider dose adjustment; Consider switching to other antihypertensive agents with less interaction. |
| Thiazide Diuretics | | | |
| thiazide Diuretics | ↓ blood pressure | None noted | Increase BP monitoring; Consider dose adjustment; Consider switching to other antihypertensive agents with less interaction. |
| HMG-CoA Inhibitors (Statins) | | | |
| atorvastatin | ↓ cholesterol levels, ↓ stroke | RIF: ↓ atorvastatin levels 80% | Increase BP monitoring; Consider alternate lipid lowering agent to minimize effect; Consider increasing Statin dose; Consider using Rifabutin in place of Rifampin. |
| rosuvastatin | ↓ cholesterol levels, ↓ stroke | RIF: may ↓ rosuvastatin levels | Increase BP monitoring; Consider alternate lipid lowering agent to minimize effect; Consider increasing Statin dose; Consider using Rifabutin in place of Rifampin. |
| simvastatin | ↓ cholesterol levels, ↓ stroke | RIF: ↓ simvastatin levels 82-97% | Increase BP monitoring; Consider alternate lipid lowering agent to minimize effect; Consider increasing Statin dose; Consider using Rifabutin in place of Rifampin. |
| statin | ↓ cholesterol levels, ↓ stroke | RIF: theoretically ↓ statin levels | Increase BP monitoring; Consider alternate lipid lowering agent to minimize effect; Consider increasing Statin dose; Consider using Rifabutin in place of Rifampin. |

| Rifamycins and Anti-Diabetic Agents: Drug-Drug Interactions | | | |
|---|--------------------------|--|---|
| General Tuberculosis (TB) Therapy Information | | | |
| Many diabetic medications are metabolized via the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. Rifampin is also a potent inducer of the Cytochrome P450 system, potentially interacting with some of the same medications as Rifampin. | | | |
| BRAND (METFORMIN) BASED | GENERIC | CLINICAL EFFECT | RECOMMENDATIONS |
| Glucophage® | Metformin | ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | None noted |
| Glucovance® | Glyburide+ Metformin | ↓ Glyburide levels 36% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | Metformin: None noted Glyburide levels 36% *Consider glyburide as first choice sulfonylurea to minimize interactions *Increase monitoring *Consider dose adjustment of antidiabetic agents or alternative glucose control |
| Metaglip® | Glipizide+ Metformin | ↓ Glipizide levels 22% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | Metformin: None noted Glipizide levels 22% *Consider glipizide as first choice sulfonylurea to minimize interactions *Increase monitoring *Consider dose adjustment of antidiabetic agents or alternative glucose control therapy |
| Janumet® | Sitagliptin+ Metformin | ↓ Sitagliptin levels ↓ Secretion of insulin from the pancreas ↓ delays gastric emptying ↓ Appetite ↓ Glucagon release after meals ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | Metformin: None noted Sitagliptin: May ↓ sitagliptin levels *Increase monitoring; interaction may be minimal and require no adjustments Metformin: No contraindications |
| SULFONYLUREA BASED | | | |
| Micronase® | Glyburide | ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | None noted |
| Amaryl® | Glimperide | ↓ Glimperide levels 39% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | None noted |
| Glucotrol® | Glipizide | ↓ Glipizide levels 30% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | None noted |
| Glucovance® | Glyburide+ Metformin | ↓ Glyburide levels 36% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | Metformin: None noted Glyburide levels 36% *Consider glyburide as first choice sulfonylurea to minimize interactions *Increase monitoring *Consider dose adjustment of antidiabetic agents or alternative glucose control therapy |
| Metaglip® | Glipizide+ Metformin | ↓ Glipizide levels 22% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | Metformin: None noted Glipizide levels 22% *Consider glipizide as first choice sulfonylurea to minimize interactions *Increase monitoring *Consider dose adjustment of antidiabetic agents or alternative glucose control therapy |
| Avandaryl® | Pioglitazone+ Glimperide | ↓ Pioglitazone levels 54% ↓ Secretion of insulin from the pancreas ↓ Production of glucose by the liver ↓ Absorption of glucose by the liver ↓ Insulin sensitivity | None noted Pioglitazone levels 54% *Consider pioglitazone as first choice sulfonylurea to minimize interactions *Increase monitoring *Consider dose adjustment of antidiabetic agents or alternative glucose control therapy |

TUMOR NECROSIS FACTOR-ALPHA (TNF-ALPHA) ANTAGONISTS AND THE INCREASED RISK OF TUBERCULOSIS

What is tumor necrosis factor-alpha (TNF-alpha)?

- A potent cytokine that is an important mediator of the body's response to infection.
- Promotes inflammation and tissue destruction in rheumatic/immune-mediated diseases.
- Plays a central role in the initial host response to infection and granuloma formation.
- They are used to treat diseases such as rheumatoid arthritis, Crohn's disease, psoriasis, juvenile rheumatoid arthritis and ankylosing spondylitis.
- TNF-alpha antagonists often provide an impressive improvement (in treated disease).

What are TNF-alpha antagonists?

- Medications that work to oppose the tissue's destructive effects of TNF-alpha.
- TNF-alpha antagonists often provide an impressive improvement (in treated disease).

Which TNF-alpha antagonists are used in the U.S.?

| Drug | Indications |
|------------------------------|--|
| infliximab (Remicade®) | Rheumatoid arthritis, psoriasis, ankylosing spondylitis, Crohn's Disease, ulcerative colitis |
| adalimumab (Humira®) | Rheumatoid arthritis, psoriasis, ankylosing spondylitis, Crohn's Disease |
| certolizumab pegol (Cimzia®) | Rheumatoid arthritis, Crohn's Disease |
| etanercept (Enbrel®) | Rheumatoid arthritis, psoriasis, ankylosing spondylitis, Crohn's Disease |
| golimumab (Simponi®) | Rheumatoid arthritis, psoriasis, ankylosing spondylitis |

Why do they increase the risk of TB?

- Granuloma formation is crucial to the host's ability to contain and control TB infection.
- In tuberculosis, these drugs inhibit macrophage activation, recruitment of inflammatory cells, granuloma formation, and maintenance of the granuloma integrity.
- Antibodies against TNF-alpha cause increased susceptibility to M. tuberculosis in mouse models. Patients treated with TNF-alpha antagonists have an increased risk of tuberculosis.

What does CDC recommend before starting?

- Screen for TB before starting.
- Test for LTBI and TB disease.
- Treat LTBI and TB disease according to published guidelines.
- Treat those with TB risk factors for LTBI even if TST is negative.

Screen for TB before starting. Test for LTBI and TB disease. Treat LTBI and TB disease according to published guidelines. Treat those with TB risk factors for LTBI even if TST is negative.

| Pregnant/Pregnancy | |
|---|--|
| pregnant: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | If no, Patient pregnant within year previous to diagnosis: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| of (date): | Outcomes(s): <input type="checkbox"/> Live birth <input type="checkbox"/> Miscarriage <input type="checkbox"/> Still birth <input type="checkbox"/> Termination <input type="checkbox"/> Other |
| | Specify other: |
| | Outcome date: |
| evaluated: <input type="checkbox"/> Yes <input type="checkbox"/> No | Term delivery: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| y clinical notes: | Baby evaluated for TB: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| | Evaluation result: <input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Indeterminate <input type="checkbox"/> Other <input type="checkbox"/> Unknown |
| | Specify other: |
| | Outcome of evaluation: <input type="checkbox"/> TB infection <input type="checkbox"/> TB infection window period <input type="checkbox"/> TB suspect <input type="checkbox"/> TB disease <input type="checkbox"/> No TB disease or infection |
| | Live birth facility: |
| | Did anyone in the patient's household have a baby in the last 3 months? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |



PREGNANCY

RISK AND SOCIAL HISTORY

| Risk and Social History | |
|--|---|
| Population Risks Contact to infectious TB patient (2 years or less): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Contact to MDR-TB case (2 years or less): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Inner-city resident: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Low income: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown History of homelessness (current or previous): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Current resident of homeless shelter: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Homeless within past year: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown History of incarceration (current or previous): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Type of correctional facility: <input type="checkbox"/> Federal prison <input type="checkbox"/> Juvenile correctional facility <input type="checkbox"/> Local jail (city or county) <input type="checkbox"/> State prison <input type="checkbox"/> Other correctional facility <input type="checkbox"/> Unknown Specify other: _____ Is the detainee in ICE custody? <input type="checkbox"/> Yes <input type="checkbox"/> No Under custody of immigration and customs enforcement: <input type="checkbox"/> Yes <input type="checkbox"/> No Incarceration date at diagnosis: _____ Current resident of long-term care facility: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Resident of other congregate setting at diagnosis: <input type="checkbox"/> Colonia <input type="checkbox"/> Displaced citizen <input type="checkbox"/> School dorm <input type="checkbox"/> Unaccompanied alien child/minor (UAC) <input type="checkbox"/> Homeless Shelter <input type="checkbox"/> Other Specify other: _____ Employee of high risk congregate setting or institution: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Primary occupation in the past year: <input type="checkbox"/> Correctional facility employee <input type="checkbox"/> Health care worker <input type="checkbox"/> Migrant/seasonal worker <input type="checkbox"/> Not seeking employment <input type="checkbox"/> Retired <input type="checkbox"/> Unemployed <input type="checkbox"/> Other <input type="checkbox"/> Unknown Specify other: _____ Correctional facility employee type: <input type="checkbox"/> Inmate <input type="checkbox"/> Volunteer Reason not seeking employment: <input type="checkbox"/> Child <input type="checkbox"/> Disabled <input type="checkbox"/> Homemaker <input type="checkbox"/> Institutionalized <input type="checkbox"/> Student | Medical Risks Cancer: <input type="checkbox"/> Head <input type="checkbox"/> Lung <input type="checkbox"/> Neck Chronic renal failure or on hemodialysis: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If patient has diabetes, was nutrition education provided: <input type="checkbox"/> Yes <input type="checkbox"/> No End-stage renal disease: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown History of untreated or inadequately treated active TB, including fibrotic changes on X-Ray consistent with previous TB: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Immunosuppression (not HIV/AIDS): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Incomplete TB infection therapy: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Missed contact (2 years or less): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Recently infected with M. tuberculosis (within the past 2 years): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Skin test conversion - increase of 10mm or more within 2 years: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown TNF-alpha antagonist therapy: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Other medical risks: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Specify other: _____ Testing required by employer or school program: <input type="checkbox"/> Yes <input type="checkbox"/> No Injecting drug use within past year: <input type="checkbox"/> No <input type="checkbox"/> Injected drugs <input type="checkbox"/> Cocaine <input type="checkbox"/> Heroin <input type="checkbox"/> Other illicit drug Specify other: _____ Patient was provided additional resources: <input type="checkbox"/> Yes <input type="checkbox"/> No Non-injecting drug use within past year: <input type="checkbox"/> No <input type="checkbox"/> Marijuana <input type="checkbox"/> Cocaine <input type="checkbox"/> Heroin <input type="checkbox"/> Crack <input type="checkbox"/> Methamphetamines <input type="checkbox"/> Other illicit drug Specify other: _____ Patient was provided additional resources: <input type="checkbox"/> Yes <input type="checkbox"/> No Tobacco use: <input type="checkbox"/> Yes <input type="checkbox"/> No Packs per day: _____ Years of use: _____ Patient was provided additional resources: <input type="checkbox"/> Yes <input type="checkbox"/> No Alcohol use: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown In the last 30 days, how many days did the patient consume more than 4 drinks? <input type="checkbox"/> 0-4 days <input type="checkbox"/> 5 days or more <input type="checkbox"/> Unknown Patient was provided additional resources: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Medical risk factor notes: _____ | |

- Does your client use tobacco, alcohol or recreational drugs?
- What is your client's educational level, housing situation and occupation?
- Has your client been incarcerated in the past?
- Does your client have a solid social network? – emotional, physical and financial support

STEP 7: PROVIDE CLIENT AND FAMILY EDUCATION



- Acknowledge and address your client's perceptions and concerns about their TB diagnosis and treatment
- Ensure your client communicates regularly about any changes with TB treatment or other co-morbidities they are concurrently being treated for
- Review the treatment plan regularly and adjust as needed
- Continue to educate client, family and identified contacts throughout treatment plan and reassess their understanding of TB

STEP 8: PLAN FOR ENSURING ACCESS TO CARE AND ADHERENCE



Create

- ... an adherence agreement

Help

- ... clients keep appointments

Use

- ... incentives and enablers to improve adherence

Encourage

- ... client to seek support

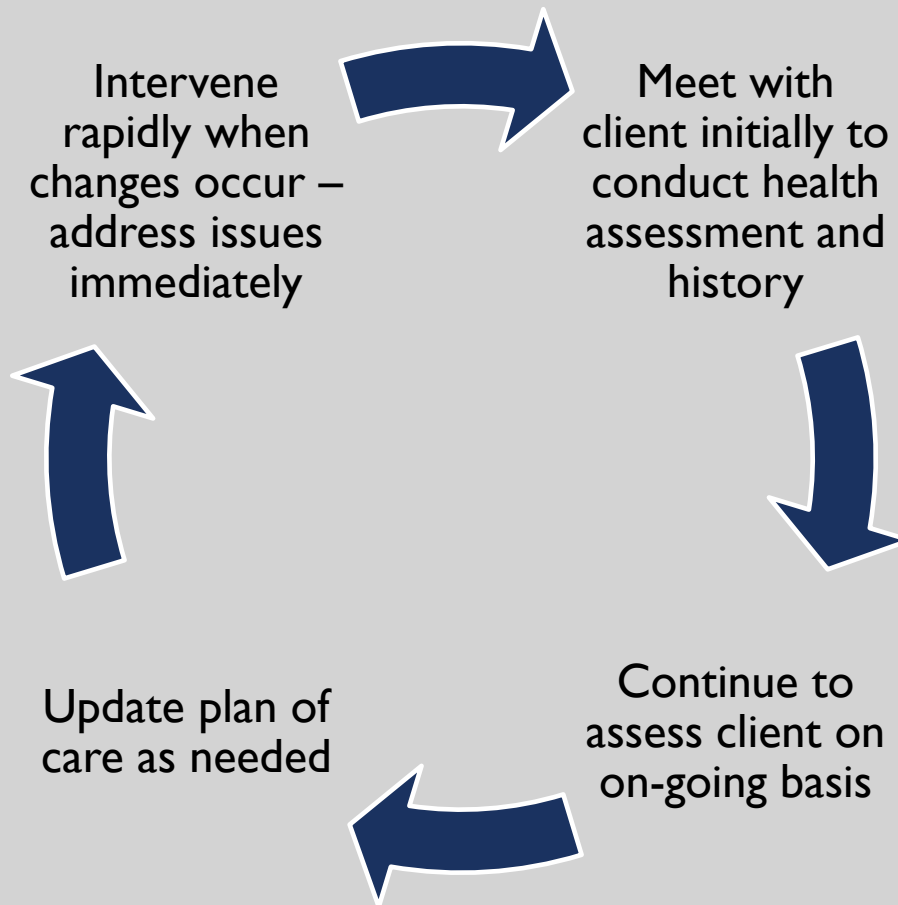
Give

- ... TB drugs in easy-to-take preparations

Coordinate

- ... other services

NURSING ASSESSMENT IS ONGOING



ASSESSMENT SUMMARY

Provide client and family
education throughout journey

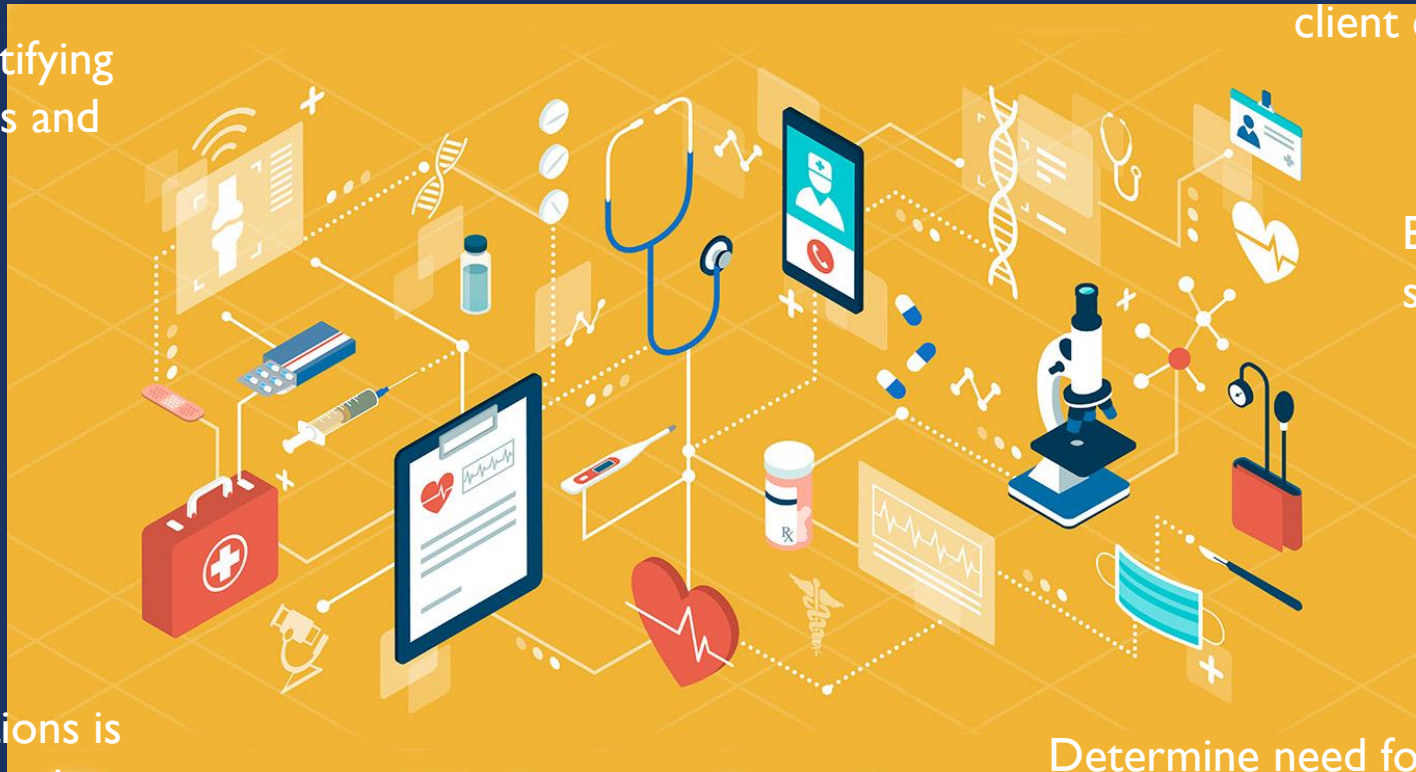
Utilize nursing process

Build rapport and ensure
client confidentiality

Nurse is critical in identifying
changes in client's status and
need to update POC

Assessment is
ongoing and
continuous

Identification of
comorbid conditions is
essential in developing
effective POC



Be aware of
stigmatizing language

Obtain pertinent medical
records and conduct
thorough medical history

Conduct thorough medical and
psychosocial assessment

Determine need for
infectious period and need
for isolation

CONCLUSION

Nursing assessment: the art and science of truly seeing a patient

- The TB Nurse Case Manager is responsible for:
 - Interviewing the client and completing the components of the client assessment which includes a medical history, co-morbidities, TB signs and symptoms and TB history.
 - Interacting in a non-judgmental manner and maintaining the client's privacy and dignity.
- The purpose of the client assessment is:
 - To better understand the client for the development of an effective POC with the end goal for the client to successfully complete their TB treatment.

THANK YOU!

