



South Dakota Department of Health

Social Determinants of Health

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TB Program Manager

Accreditation Statement



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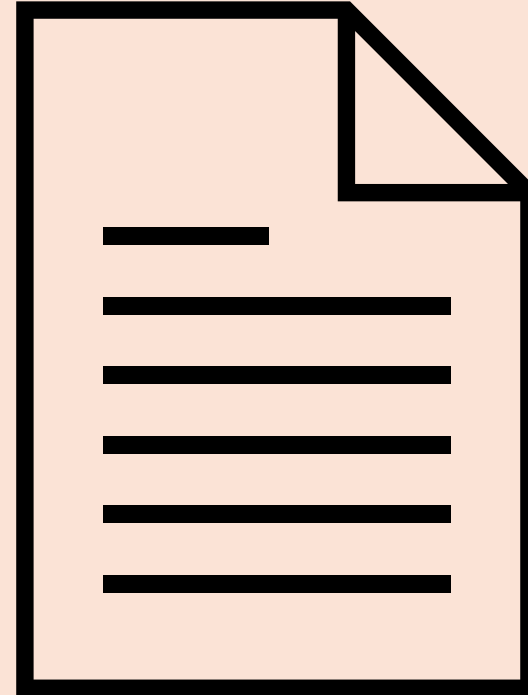
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Available Credit

- 14.00 ANCC
- 14.00 Attendance
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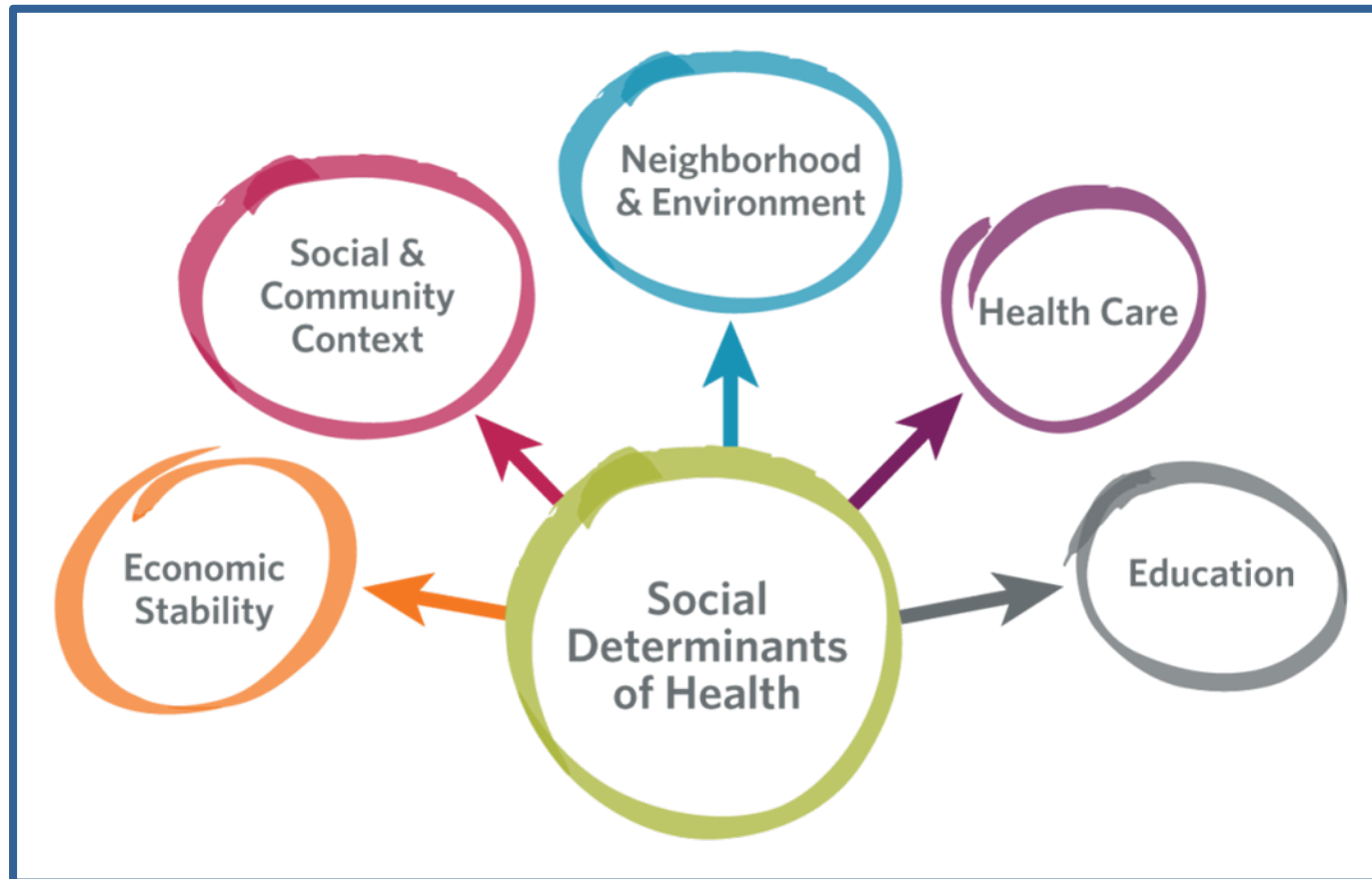
Disclosures

No relevant financial disclosures



Social Determinants of Health

Non-medical, environmental conditions in which people are born, grow, live, work and age. These factors significantly influence health and quality of life outcomes.



Patient Adherence

- The highest priority of a TB Program is to ensure patients with TB disease initiate and complete an appropriate course of treatment.
- Treatment regimens for TB disease are complex, multi-drug regimens with potentially toxic medications which require months of treatment. Therefore, patient adherence to these regimens is a significant public health issue for TB Control Programs.
- To increase adherence, TB Programs should consider implementing the following:
 - Incentives and enablers
 - DOT (directly observed therapy)
 - eDOT (electronic directly observed therapy)

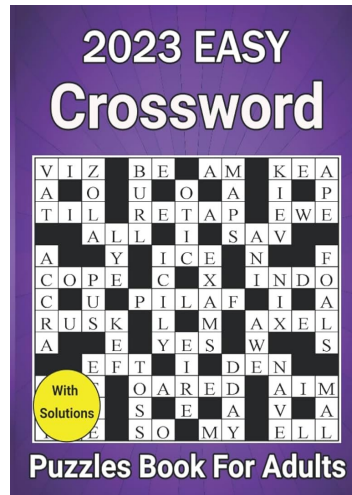


Incentives

Small rewards given to patients to encourage them to take their TB treatment and keep appointments by motivating them with something they want or need.

Examples:

- Gift cards
- Food items
- Fast food
- Soft drink
- Clothing
- Toys
- Games
- Crossword puzzle books



Enablers

A service or item that helps the patient overcome barriers to completing their TB treatment.

Examples:

- Rides to appointments
- Bus tokens
- Taxi vouchers
- Nutritional supplements
- Applesauce or pudding to mix with crushed TB meds
- Helping a client apply for economic assistance



Use of Incentives and Enablers

- CDC encourages the use of incentives and enablers and allows federal funds for purchase
- Select an incentive or enabler that is individualized to the specific needs or interests of that patient
- May use as an ongoing basis or when milestones are achieved (completion of medication for that week/month)
- Follow agency requirements for purchase, inventory and storage of pre-purchased gift cards or other items of value
- Obtain approval from parents before purchasing incentives or enablers to children
- Not all TB patients require use of incentives/enablers



DOT

- DOT (directly observed therapy) is a standard of care for TB treatment where a designated person watches the patient swallow their entire dose of medication
- DOT ensures adherence and prevents development of drug-resistant TB
- DOT can be accomplished in-person or electronic (eDOT)
- In-person DOT is very labor-intensive requiring travel and multiple visits per week as well as weekends and holidays
- Utilize existing health care personnel in facilities to assist with DOT where applicable
 - Schools
 - Health care facilities
 - Nursing homes
 - Drug treatment programs
 - Community health workers
 - Tribal health programs



eDOT

- eDOT (electronic directly observed therapy) is an alternative to in-person DOT using digital alternatives like smart phones or video tools to confirm medication adherence remotely
- Much less labor-intensive for staff and reduces travel costs
- As effective as in-person DOT and more convenient for patients
- Good option for patients who live outside the DOH service area or in rural areas
- Consider cellular coverage areas if using smart phones
- Has been very successfully implemented in SD!




eDOT Implementation in South Dakota

- eDOT was implemented in South Dakota +10 years ago and has been very well received by both staff and patients
- It is the standard of care for all patients with TB disease unless patient has an excluding circumstance
- Substantially reduced staff and travel time
- Helpful for patients living in rural areas
- Methods:
 - Facetime via iPhones (most common)
 - Doxy.me (telemedicine platform)
- iPhones are purchased with non-TB money with origins from COVID and Ebola monitoring



eDOT Implementation in SD cont.

- Policy and procedure written with clear instructions for staff
- Created *eDOT Agreement* form and *Agreement for Use of State Issued iPhone* form.



eDOT Agreement (Electronic Directly Observed Therapy)

South Dakota Department of Health
Tuberculosis Control Program

Patient Name _____ Date of Birth _____

You have been diagnosed with: Active TB (TB)
 Latent TB Infection (LTBI)

Your prescribed treatment regimen is: _____

While taking treatment, your medication will be given by eDOT (electronic directly observed therapy). eDOT is a method of treatment administration where Department of Health staff utilize the Facetime App on your personal or state issued iPhone to observe you taking your medication each day. eDOT enhances treatment completion rates and offers you convenience and flexibility. The alternative to eDOT is observing you take your medication in person.

Your Department of Health Case Manager is: _____
Name _____ Phone _____

iPhone Responsibilities:

- Keep the iPhone on and nearby for daily scheduled calls.
- Ensure the iPhone stays charged daily.
- Agree to a time for daily calls.
- Answer and/or return all calls or communication from Dept. of Health staff as soon as possible.
- Comply with instructions from Dept. of Health staff regarding treatment and case management.
- Immediately report side effects to your clinician, the Dept. of Health case manager or dial 911.
- Notify Dept. of Health staff of phone number and/or address changes.
- Present for all scheduled medical appointments with your health care provider or Dept. of Health staff.

How to conduct eDOT via Facetime:

1. Describe the medication, name, shape, color and number of pills for each medication you are taking
2. Hold the medication in front of the video camera before placing them in your mouth
3. Place the pills in your mouth and swallow them while on camera
4. Open your mouth after swallowing and show your Dept. of Health case manager that pills were swallowed


It's very important you comply with taking your medication as directed to ensure successful completion of treatment. If you do not take your treatment as prescribed or miss doses, you may experience the following: your illness may last longer or become more severe, you may spread TB to other people, you may develop drug resistance and/or death may occur.

This agreement serves to notify you of your responsibilities while receiving eDOT. By signing this form, I agree to participate in the eDOT program and follow all requirements described in this agreement. I understand that I may change to in-person DOT at any time during my treatment.

Patient or Parent/Guardian Signature Date _____

Department of Health Staff Signature Date _____

HS419 Issued 2-2021 Last revised 2-2021 White copy – Department of Health
Yellow copy – Patient



Agreement for Use of State Issued iPhone

South Dakota Department of Health
Tuberculosis Control Program

Patient Name _____ Date of Birth _____

iPhone number _____ Date iPhone issued _____

I agree to the following:

1. I am receiving this device for the use of electronic directly observed therapy (eDOT).
2. I understand this device and its accessories (i.e. charger, battery, case, etc.) are the property of the South Dakota Department of Health.
3. If this device or its accessories are lost or damaged, I may be responsible for the cost of repair or replacement.
4. I will return all equipment issued to me in the same condition I received it upon completion of the program.
5. I will take responsible steps to keep this device and its accessories safe and working. I agree to:
 - o Not loan, sell or give the device to other persons.
 - o Protect the device from extreme temperatures.
 - o Use precautions not to damage the device and/or screen.
 - o Never leave the device in an unsecured area or visible in a locked or unlocked vehicle.
6. I am responsible for using good judgement regarding acceptable use of this device.
7. I am responsible for any additional software, apps or other files loaded on this device.
8. I understand that participating in eDOT is a privilege and if I misuse the iPhone, treatment may be changed to in-person DOT by Department of Health staff.

I agree the following is unacceptable use of the iPhone:

- Engaging in illegal or offensive online activity such as sending or receiving abusive, pornographic, sexually explicit, violent or threatening material.
- Sending or receiving materials that violates state or federal laws is not allowed. This includes, but is not limited to, confidential information, copyrighted material, online piracy and threatening material.
- Introducing harmful codes such as viruses, spyware, malware and adware.

By signing this form, I agree to participate in the eDOT program and follow all requirements set forth in this agreement. I understand that I may change back to in-person DOT at any time during my treatment.

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eDOT Exclusions

South Dakota considers excluding a patient from eDOT in the following circumstances:

- Patient is at risk for hepatic complications
- Patient experiences prolonged or continuous adverse reactions
- Patient has disabilities that preclude full participation in eDOT (vision or hearing)
- Patient cannot communicate effectively
- Patients with MDR-TB or XDR-TB should be handled on a case-by-case basis
- Patients at risk for poor adherence including:
 - Under 18 years of age
 - Homeless
 - Psychiatric illness
 - Substance abuse
 - Prior TB treatment
 - Memory impairment



Social Determinants of Health

OKLAHOMA STATE DEPARTMENT OF HEALTH

Oklahoma

- Teams for VDOT (not approved to record)
- Incentives & enablers
- Patient Adherence-legal



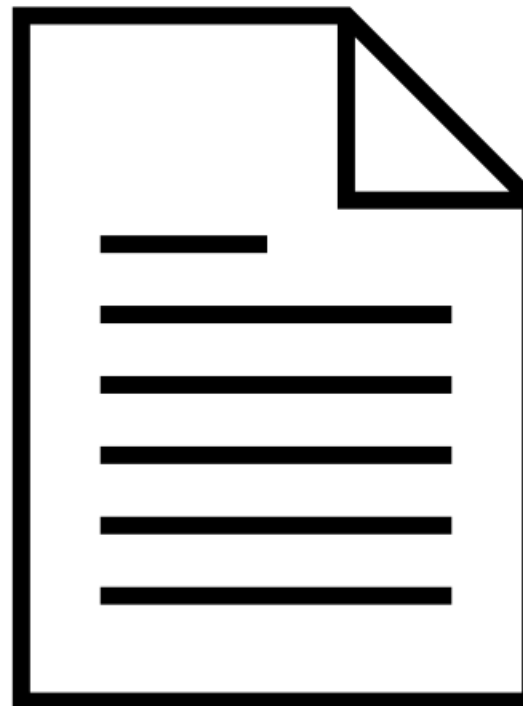


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Lisa Edgerton- Johnston 4/15/26

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- DOT Models
- Incentives & Enablers
- Patient Adherence

VDOT

RIPE

Days: _____
Vitamin B6 everyday

<p>____ mg ____ red</p> 	<p>INH ____ mg # ____ white elongated</p> 	<p>EMB ____ mg # ____ white round (VP 1 4)</p> 	<p>PZA ____ mg # ____ white round (N 484)</p> 	<p>Vitar # ____ white</p> 
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- Incentives and Enablers
 - Candy
 - Pizza
 - Tuna
 - Gift cards

- Patient Adherence
 - Building relationships



Thank You/Questions

