

**MCHENRY COUNTY  
TUBERCULOSIS CARE AND TREATMENT BOARD MEETING  
2200 N. SEMINARY AVE. BUILDING A  
WOODSTOCK, ILLINOIS 60098**

**January 15, 2019**

**8:00 AM**

**AGENDA**

1. Call to Order
2. Public Participation
3. Minutes of December 2018 Meeting
4. Consent Agenda
  - A) Disbursements; November - December 2018 (Not available due to new county fiscal system)
  - B) Income and Expense Report; November - December 2018 (Not available due to new county fiscal system)
  - C) Stan's (Printer Lease/Maintenanace)– **Renewal**
5. Contracts, Agreements, and/or Addendums - **New**
  - A) AICURE (Video DOT)
6. Monthly Reports
  - A) TB Nurse Report
  - B) Statistics
  - C) IDPH Report
  - D) TB Profile Report
7. Program Highlights
8. Old Business
9. New Business
10. Board Issues
11. Information and Communication

Tuberculosis of the Finger, Jennifer Mandal, M.D., and Mary Margaretten, M.D., The New England Journal of Medicine, September 20, 2018. N Engl J Med 2018; 379-1161 DOI: 10.1056/NEJMicm1800879
11. Executive Session
12. Adjournment

# **MINUTES AND CONSENT AGENDA**

**MCHENRY COUNTY TUBERCULOSIS AND TREATMENT BOARD**

**MEETING MINUTES**

**DECEMBER 11, 2018**

**CALL TO ORDER:**

James Mowery M.D. called the meeting to order at 8:05am; TB Board Members present were: James Mowery M.D, Fran Stanwood, RN; Staff present were: Melissa H. Adamson, MPH Administrator, Susan Karras MBA, BSN, RN Director of Nursing, Jennifer Schorsch BS, RN, NE-BC, Assistant Director of Nursing, Danielle Burck BSN, RN and Amanda Kurka BSN, RN.

**MINUTES:**

James Mowery M.D made motion to approve TB Board Minutes from October 16, 2018; second by Fran Stanwood, RN.

**FINANCIAL STATUS:**

James Mowery reviewed the Disbursements for September-October 2018. James Mowery made motion to approve; second by Fran Stanwood.

**MONTHLY REPORTS:**

Amanda Kurka reviewed TB Nurse Reports for September, October, and November 2018.

**Skin Testing**

- In September 17 clinics were held with 53 skin tests performed. 0 IGRAs collected.
- In October 21 clinics were held with 145 skin tests performed. 4 IGRAs collected.
- In November 21 clinics were held with 36 skin tests performed. 0 IGRAs collected.

**Doctor Clinic**

- On September 24<sup>th</sup> Doctor Clinic was held with 4 chest x-rays and 9 charts reviewed.
- On October 23<sup>rd</sup> Doctor Clinic was held with 4 chest x-rays and 5 charts reviewed.
- On November 19<sup>th</sup> Doctor Clinic was held with 26 chest x-rays and 30 charts reviewed.

**Patient Update**

- One active TB patient completed medications on 9/17/2018.
- Second active TB client identified and started on RIPE therapy on 10/6/2018. She is now in the continuation phase of medications.
- Third active TB client transferred from Texas to McHenry County. In the continuation phase of medications.

**Activities**

PADS TST Testing:

- 9/26/2018 & 9/28/2018 3 clients were tested
- 10/16/2018 & 10/18/2018 8 clients were tested
- 11/13/2018 & 11/15/2018 5 clients were tested

Alden Terrace Contact Investigation

- 10/15/2018 & 10/17/2018 - 38 clients were tested
- 10/29/2018 & 10/31/2018 - 52 clients were tested

**Webinars/ Trainings**

- Ongoing Case Management course through the Southeastern National Tuberculosis Center
- Webinar 10/11/2018: What's the Plus in Quantiferon Gold Plus?
- SNTC Webinar: When TB is the least of their worries: Immigration

**Upcoming Events**

- TB 101 in Springfield 12/5/2018 & 12/6/2018
- Northern Illinois Tuberculosis Control Authorities 12/13/2018
- Annual Employee TB TST January 2019

**OLD BUSINESS:**

- A) TB Board Bylaws and Rules and Regulations reviewed with no revisions recommended. Fran Stanwood made motion to approve TB Board Bylaws and Rules and Regulations, second by James Mowery.
- B) Amanda Kurka RN, BSN gave an update on Alden Terrace, they are improving and being cooperative with McHenry County Department of Health. There were about 150 people tested at the facility due to exposure.

**NEW BUSINESS:**

- A) Susan Karras introduced Melissa H. Adamson as the new Health Department Administrator and Sandra Garcia as the new full time Administrative Specialist in Building B.

**BOARD ISSUES:** None

**INFORMATION:** None

**ADJOURNMENT:** James Mowery M.D. made motion to adjourn meeting at 8:45am; second by Fran Stanwood MBA, BSN, RN.

Next Board meeting is scheduled for January 15, 2019.

## BOH CONTRACT SUMMARY

- New Contract  
 Renewal  
 Amended Renewal

<b>NAME OF ORGANIZATION</b>	Stan's Office Technologies – #701198 AUI#103212	
<b>EFFECTIVE DATES OF CONTRACT</b>	12/1/18 – Thereafter annual auto renewal with 30 day notice to terminate	
<b>BRIEF DESCRIPTION OF CONTRACT PURPOSE</b>	Service Agreement for RICOH SP4100NL Printer	
<b>MCDH DEPT/STAFF INVOLVED</b>	Nursing Division and TB Staff	
<b>FINANCIAL TERMS</b>	2019	2017
	\$199/year 50,000 pages Black Toner \$149 Maintenance Kit \$199	\$199/year 50,000 pages Black Toner \$163 Maintenance Kit \$189
<b>INDEMNIFICATION CLAUSE?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>SPECIAL ARRANGEMENTS, REQUIREMENTS, CONDITIONS</b>	<ul style="list-style-type: none"> <li>Stan's will maintain equipment in good working order</li> <li>On-going maintenance Lubrication Cleaning Adjustment and Replacement of parts which are unserviceable</li> </ul>	

# STAN'S

Main Office: 1375 S. Eastwood Dr., Woodstock, IL  
Wisconsin Office: 1406 Willowbrook Rd – Suite 120, Beloit  
Phone: (815) 338-0549 www.stans.com

Agreement #701198  
AUI #103212

## PRINTER SERVICE AND SUPPLY AGREEMENT (Excludes Network Integration and Network Troubleshooting)

This agreement, entered into this 1<sup>st</sup> day of December 2018 by and between *Stan's Office Technologies*, hereafter for brevity called "*Stan's*" and *McHenry County Department of Health – TB Program*, herein for brevity called "*Customer*".

*Stan's* agrees to provide service (excluding *Network Integration & Network Troubleshooting*), parts and supplies as described below relating to one Ricoh SP4100 Printer #4689200048 located at 2200 N. Seminary Avenue, Woodstock, Illinois 60098.

DESCRIPTION OF COVERED SERVICE: During the period of service availability, *Stan's* will maintain in good working order all equipment covered by this agreement, in accordance with its service policies. Service will include:

- A. Unscheduled repairs upon request by the *Customer* during *Stan's* normal working hours
- B. Ongoing maintenance as defined by current *Stan's* preventive maintenance service policies applicable to the respective products which include: LUBRICATION, CLEANING, ADJUSTMENT, AND THE REPLACEMENT OF PARTS WHICH ARE UNSERVICEABLE.

### DESCRIPTION OF SERVICES NOT COVERED:

- A. Service needed as a result of the use of inferior or generic toner.
- B. Services resulting from fire, water, food spills, acts of God, lightning, abuse or damage to the machine (including scratches to and overexposure of the photo conductor drum).
- C. Installation of accessories, attachments, or other devices.
- D. Performance of normal operator functions as described in the manufacturer's operator manuals.
- E. Repair of damage from any cause other than ordinary use, except damage caused by the sole negligence of *Stan's*.
- F. Increase in service time resulting from neglect or unique applications beyond manufacturer's specifications described in Operator Manual.
- G. *Stan's* is not liable for costs related to pages made on any substitute equipment, if the equipment covered by this agreement, is inoperable or inaccessible.
- H. Service or parts required as a result of non-existent and/or disconnection of power protection device.
- I. Software/Network support, including changes in software, network configurations, workstation configurations, driver updates and internet service provider changes.
- J. Premature parts failure due to applications beyond the scope of intended use, guided by the manufacturer's published specifications.
- K. Major overhauls
- L. Shipping/Handling of supplies.

### ADDITIONAL EXCLUSIONS DUE TO AGE AND LIMITED MANUFACTURER SUPPORT:

- A. Circuit Boards
- B. Operator Panels and Touch Screens
- C. Laser Units, Paper Tray Assemblies, Paper Feed Assemblies, Doors and Covers
- D. Fuser Assemblies, Image Transfer Belt Assembly and Duplex Assembly
- E. Equipment Software/Firmware and Driver Updates
- F. Loaner equipment (Rental fees apply)

RELOCATION OF EQUIPMENT: *Customer* will be liable for all costs associated with any equipment relocation requested by the *Customer*. These costs will include all applicable installation and removal charges, special rigging charges, and technical representative and labor charges. *Stan's* shall be under no obligation to provide maintenance of any equipment which is relocated outside its geographic service area. *Stan's* will assist the *Customer* in obtaining service from other qualified dealers outside this area. *Stan's* must be notified in writing if the geographic location of the equipment is changed.

SERVICE HOURS: Service is to be performed during normal business hours (8:30 A.M. to 4:30 P.M. daily), not including Saturdays, Sundays and Holidays.

DELAYS OR INABILITY TO PERFORM SERVICE: *Stan's* will not be responsible for delays or inability to perform service due to strikes, accidents, embargoes, acts of war or terrorism, acts of God or any other event beyond its control. In the event the manufacturer discontinues producing parts for this equipment, *Stan's* shall make every effort to obtain suitable replacement parts from other sources. Should *Stan's* be unable to obtain critical parts or suitable replacements to keep the equipment operable, *Stan's* will offer a pro-rated credit on the remaining service agreement.

ACCESSORIES: Any accessory purchased from *Stan's* for which service pricing is available will automatically be added to the service agreement. The term of the agreement with respect to such accessories will be concurrent with the term of the original agreement.

TERM: The term of this agreement will be one (1) year. The agreement will automatically renew upon the anniversary of the original agreement unless written notification is received 30 days prior to renewal.

BASE SERVICE PRICING: \$199.00 per year for 50,000 letter size impressions. Service pricing includes service and guaranteed supply pricing, as listed below, for the term of this agreement. Pages produced on loaner equipment (including Stan's showroom or outsourced by Stan's), shall be counted toward base page allowance or overage page totals, and invoiced at the same rate as if produced on the equipment covered by this agreement. Invoices unpaid in excess of thirty (30) days will bear interest at the rate of 1½ percent (1.5%) per month until paid. Customer disputes with third party lease companies (excluding Stan's Financial Services), does not waive any customer payment obligations to Stan's Office Technologies for timely, base service payment, overage cost-per-page or interest/late fees.

SUPPLY PRICING:

DESCRIPTION	YIELD	PRICING
Black Toner	7,500	\$149.00
Maintenance Kit	90,000	\$199.00

TERMINATION: This agreement shall be terminated should Customer elect to purchase supplies from sources other than Stan's.

ASSIGNMENT: : This agreement is not assignable by Customer without written permission from Stan's, such permission not to be unreasonably withheld, and any attempt by Customer to assign any rights, duties, or obligations which arise under this Agreement without such permission shall be void.

LIMITATION OF LIABILITY: Stan's liability to the customer for damages, from any cause whatsoever, and regardless of the form of action, whether in contract, or in tort, including negligence or any other form of action, shall be limited to the greater of \$250, or twelve (12) months' maintenance charges for the specific machines under this maintenance agreement that caused the damages or that are the subject matter of or are directly related to the cause of action, such charges shall be those in effect for the specific machines when the cause of action arose. Other than as set forth above in this paragraph, Stan's disclaims all warranties with respect to the equipment (including without limitation warranties as to merchantability and fitness for a particular purpose), either expressed or implied. The above express warranty is in lieu of all obligations or liabilities on the part of Stan's for damages, including but not limited to special, incidental, or consequential damages arising out of or in connection with the use or performance of this equipment.

DEFAULT: Any of the following events or conditions shall constitute a default of the Customer under this agreement:

- A. Customer's failure to make any overdue payment within 10 days after written demand from Stan's.
- B. Customer's failure to cure any default within 10 days of notice and demand to cure.
- C. The institution of proceeding in Bankruptcy, receivership of insolvency by or against the Customer such as a general assignment for the benefit of creditors; petition under a bankruptcy law or the appointment of a receiver or trustee.

REMEDIES: Upon the occurrence of any event of default as set forth in the above paragraph, Stan's shall have the right to do the following without demand or notice of any kind:

- A. Terminate the service agreement and cease providing service under the terms of the agreement.
- B. Terminate any other agreements the Customer may have with Stan's.
- C. Require payment in full for any service performed at the time the service is performed.
- D. Pursue any other remedy at law.

COSTS AND EXPENSES: Customer agrees to pay to Stan's reasonable attorneys, legal expenses, or other costs incurred in exercising any of its rights and remedies upon default of this service agreement by the Customer.

RIGHTS: The rights granted to Stan's under the "REMEDIES" paragraph shall be cumulative and the action on one shall not be deemed to constitute an election or waiver of any other right to which Stan's may be entitled.

ENTIRE AGREEMENT: This service agreement contains the entire agreement and understanding between the Customer and Stan's. No agreements or understandings are binding on the parties unless set forth in writing and signed by the parties.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Print Name and Title  
Of: Stan's - LPS Midwest  
Date: \_\_\_\_\_

\_\_\_\_\_  
Print Name and Title  
Of: McHenry Department of Health - TB Program  
Date: \_\_\_\_\_

BEGINNING METER READ: 11,383

Payment of Invoice #341894 constitutes acceptance of the terms and conditions of this agreement

# **MONTHLY REPORT**

# MCDH Nurse Report

December 2018

## Skin Testing:

- In December 19 clinics were held with 32 skin tests performed. 1 IGRA collected.

## Doctor Clinic:

- There was no clinic with Dr. Hafiz this month, rescheduled for January 2019.

## Patient Update:

- Patient A: in continuation phase of TB therapy. Therapy is to be extended by 3 months due to indeterminate results on drug susceptibility for PZA.
- Patient B: in continuation phase of TB therapy, completing case for the state of Texas. To be completing in February 2019.

## Activities:

- 12/11/18 & 12/14/18 5 clients @ PADS center

## Webinars/Trainings:

- TB 101 December 5<sup>th</sup> & 6<sup>th</sup>
- December 13<sup>th</sup> Illinois Tuberculosis Control Authority Meeting
- Ongoing Case Management Course through Southeastern National Tuberculosis Center

## Upcoming events:

- Annual Testing for our employees
- PADS TST testing

TUBERCULOSIS PROGRAM MONTHLY REPORT FY 2019

EDUCATION

TB STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
<b>PRESENTATIONS</b>														
# of Presentations														
# of Attendees														
<b>1:1 EDUCATION (PUBLIC &amp; HCPs) (HOURS)</b>														
Phone contacts	4.66												4.66	3.24
Face to Face contacts (@MCDH)	7.33												7.33	19.75
Case Mangement	10.92												10.92	3.33
TB Board Meeting Prep	1												1	2

TESTING

TB SKIN TEST STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
<b>MCDH (Annex B)</b>														
# of Clinics	19												19	15
# of IGRAs	1												1	
# of skin tests	32												32	47
<b>Outreach Testing</b>														
<b>PADS / Old Firehouse</b>														
RN time - hours	3												3	3.5
# of site visits	4												4	2
# of skin tests	5												5	7
<b>Contact Investigation Testing</b>														
RN time - hours														
# of site visits														
# of skin tests														
<b>Total Skin Tests</b>	<b>37</b>												<b>37</b>	

POSITIVE SKIN TEST STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
Positive skin tests/Outside agency	3												3	
Positive skin tests /MCDH clinics														3
Positive skin tests/PADS														
Positive skin tests /Outreach Sites														
Positive skin tests/Contacts														
<b>Total</b>	<b>3</b>												<b>3</b>	
<b>County Positive Skin Test Rate<sup>A</sup></b>	<b>0.98</b>												<b>0.98</b>	

DIAGNOSTIC STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
X-Rays Ordered	5												5	16
Sputum Collected	3												3	3
Laboratory Tests Ordered														2

MD CLINIC (HOURS)

MD CLINIC (HOURS)	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
Pre Clinic RN Prep Time	2.5												2.50	3.17
Pre Clinic Clerical Prep Time	3.25												3.25	2.5
<b>Total Pre Clinic Prep Time</b>	<b>5.75</b>												<b>5.75</b>	<b>5.67</b>
<b>Total Clinic Time</b>														<b>1</b>
Post Clinic RN Time														3
Post Clinic Clerical Time														5.25
<b>Total Post Clinic Contact</b>														<b>8.25</b>
<b>Total</b>	<b>5.75</b>												<b>5.75</b>	<b>14.92</b>

LTBI

PREVENTIVE STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
Positive clients transferred into county														
Positive Interviews	4												4	16
Clients Starting LTBI	1												1	3

<sup>A</sup>Rate is per 100,000 using the 2015 estimated census population of 307,357 from the US Census Bureau

CLIENTS STARTING LTBI	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
<b>GENDER</b>														
Male														1
Female	1												1	2
<b>AGE</b>														
Children (0-18 years)														
Adult (19-64 years)														3
Senior Adult (65+ years)	1												1	
<b>FOREIGN BORN</b>														
Yes	1												1	1
No														2

TREATMENT COMPLETION	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
Clients Completing LTBI	2												2	1
Failure to Complete														
Moved														
Lost to F/U														
Declined- Personal														
Declined-Medical														
Deceased														
Other														

**ACTIVE TB**

ACTIVE TB STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
# Active TB Cases Identified														
County Active TB rate*														
Active Cases Transferred OUT of McHenry County														
Active Cases Transferred INTO McHenry County														
Total Active TB Caseload*														
DOT Visits	27												27	7
DOT Visit/Travel Time (Hours)	54												54	4.25
# TB Contact Investigations Initiated														
# Suspects Investigated														1

\*Number does not accumulate, it reflects the number of people for whom the DOT visits and DOT time account for

TREATMENT COMPLETION	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
Cases Completing Active TB Medication														
Failure to Complete														
Moved														
Lost to F/U														
Declined- Personal														
Declined-Medical														
Deceased														
Other														

RESISTANCE CLASSIFICATIONS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
#MDR Cases Identified														
#XDR Cases Identified														

ACTIVE TB STATISTICS	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	YTD 19	YTD 18
<b>LOCATION OF ACTIVE TB IDENTIFIED</b>														
Pulmonary														
Extrapulmonary														
<b>GENDER</b>														
Male														
Female														
<b>AGE</b>														
Children (0-18 years)														
Adult (19-64 years)														
Senior Adult (65+ years)														
<b>FOREIGN BORN</b>														
Yes														
No														

\*Rate is per 100,000 using the 2015 estimated census population of 307,367 from the US Census Bureau

I. Numbers of Cases

There have been 293 cases of active TB reported and confirmed as of today. Compared to the same week last year, there were 284 cases reported. We have 7 cases more than the number reported this week last year.

2018 to date

DuPage County	46
Kane County	8
Kendall	1
Lake County	17
McHenry	2
Will County	5
Winnebago	1
Suburban Cook	81
Chicago	105

## II. Drug Resistance

Of the 293 cases reported thus far, 199 were culture positive. Of those culture positive, 168 (84.4%) have their susceptibilities reported.

15 (8.9%) cases are resistant to Isoniazid.

2 (1.2%) cases are Multi-Drug Resistant (resistant to both Isoniazid and Rifampin).

## III. Dead at Diagnosis or Died on Therapy

Of the 293 cases reported thus far, 4 were dead at diagnosis and 30 died during therapy. 9 were noted: cause of death was TB.

## IV. US born vs Foreign Born

Of the 293 cases reported, 70 cases are US born (24.5%)

222 cases are Foreign Born (75%)

1 case unknown status (0.5%)

## V. Education Opportunities

1. Look for TB related webinars in March 2019, being offered by IDPH.
2. World TB Day will be celebrated on March 20 in Springfield.
3. Chicago is also planning a World TB Day event, but date has not yet been released.

## BOH CONTRACT SUMMARY

- New Contract**  
 **Renewal**  
 **Amended Renewal**

<b>NAME OF ORGANIZATION</b>	Illinois Department of Public Health in affiliation with AiCure, LLC	
<b>EFFECTIVE DATES OF CONTRACT</b>	AiCure, LLC August 15, 2017 contract with IDPH	
<b>BRIEF DESCRIPTION OF CONTRACT PURPOSE</b>	AiCure will provide HIPAA compliant platform for video directly observed treatment.	
<b>MCDH DEPT/STAFF INVOLVED</b>	Nursing Division – CD/TB Staff	
<b>FINANCIAL TERMS</b>	\$25/month for each client enrolled in AiCure platform	
<b>INDEMNIFICATION CLAUSE?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>SPECIAL ARRANGEMENTS, REQUIREMENTS, CONDITIONS</b>	<ul style="list-style-type: none"> <li>AiCure will provide all needed training for use of platform to TB staff</li> <li>AiCure will maintain platform and provide technical support 24 hours/day, 7 days/week</li> </ul>	

**TASK ORDER #1 FOR McHENRY COUNTY IN ACCORDANCE WITH  
ILLINOIS DEPARTMENT OF PUBLIC HEALTH BASIC ORDERING AGREEMENT  
CONTRACT # 75100012E (and successor agreements)**

In accordance with the terms and conditions specified in Basic Ordering Agreement Contract # 75100012E ("Agreement") with an effective date of August 15, 2017 between Illinois Department of Public Health ("IDPH"), and AiCure, LLC. ("AiCure") (the terms thereof being incorporated herein by reference), and by mutual agreement of AiCure and McHENRY County Health Department ("Health Department") this Task Order #1 is issued.

**1. STATEMENT OF WORK**

AiCure shall provide AiCure Platform services for Health Department in accordance with the terms of the Agreement.

**2. PERIOD OF PERFORMANCE**

This task shall be performed on behalf of Health Department for the term of any patient enrolled on the AiCure Platform.

**3. COMPENSATION**

The parties agree that Health Department will compensate AiCure \$25 monthly for each patient during any calendar month during which the patient is enrolled in the AiCure Platform. AiCure will invoice Health Department monthly. Health Department shall make payments against the invoice within net 60 days of its receipt.

**4. STATEMENT OF SERVICES**

AiCure proposes to provide the following:

- A. **Training** - Preparation and provision of training presentation and other materials for Health Department training
- B. **AiCure Platform** - Provide AiCure Platform app for download on user's own devices.
- C. **Dashboard Access** - Provide dashboards for data entry and review by Health Department personnel.
- D. **Hosting Services** - Hosting services throughout use of the AiCure Platform (synchronization, backup and disaster recovery readiness for collected data) including deployment of AiCure Platform on AWS system, and required maintenance and update during term of use. The system is HIPAA compliant, with data being encrypted at all times, in motion and at rest. The AiCure system is available 24 hours/day, 7 days/week to monitor participants taking their study drug. Dashboard access is maintained on a high availability system, designed to be available 24 hours per day, 7 days per week. The ability for the participant's mobile device to upload adherence and video data relies on cellular (provided by AiCure on provisioned devices) and Wi-Fi connectivity, which is beyond the control

Task Order #1

of AiCure. However, when connectivity is poor, adherence and video data are stored securely on the participant's mobile device until connectivity is restored to prevent loss of any videos, so that in the unlikely event that the system is unavailable, subjects will still be able to administer their study drug using the AiCure device.

- E. **Site Support** - Site support via helpdesk and AiCure personnel, including initial Health Department training. AiCure will manage user accounts for all Health Department personnel and technical support as necessary.
- F. **Additional Terms** - The AiCure system is an advisory system, encouraging patients to adhere to a predefined medication administration protocol. In the event of any discrepancy between the medication administration protocol or other dosing schedule provided to patients and instructions from the AiCure system, Health Department personnel should instruct patients to follow any dosing schedule as set forth in the medication administration protocol. Health Department personnel are encouraged to contact AiCure to report any such discrepancies, and AiCure will investigate and retrain personnel, or update software or dosing schedules as appropriate. AiCure shall not be responsible for failure of any patient to follow medication administration protocol as a result of any discrepancy between dosing instructions in the medication administration protocol or other dosing schedule provided to patients and as provided by the AiCure system.

IN WITNESS WHEREOF the Parties have signed this Agreement as of the dates listed below:

**Health Department**

\_\_\_\_\_  
Title:  
Date:

**AiCure, LLC**

\_\_\_\_\_  
Title:  
Date:

# **PROGRAM HIGHLIGHTS**

# **OLD BUSINESS**

# **NEW BUSINESS**

# **BOARD ISSUES**

# **INFORMATION**

IMAGES IN CLINICAL MEDICINE

## Tuberculosis of the Finger

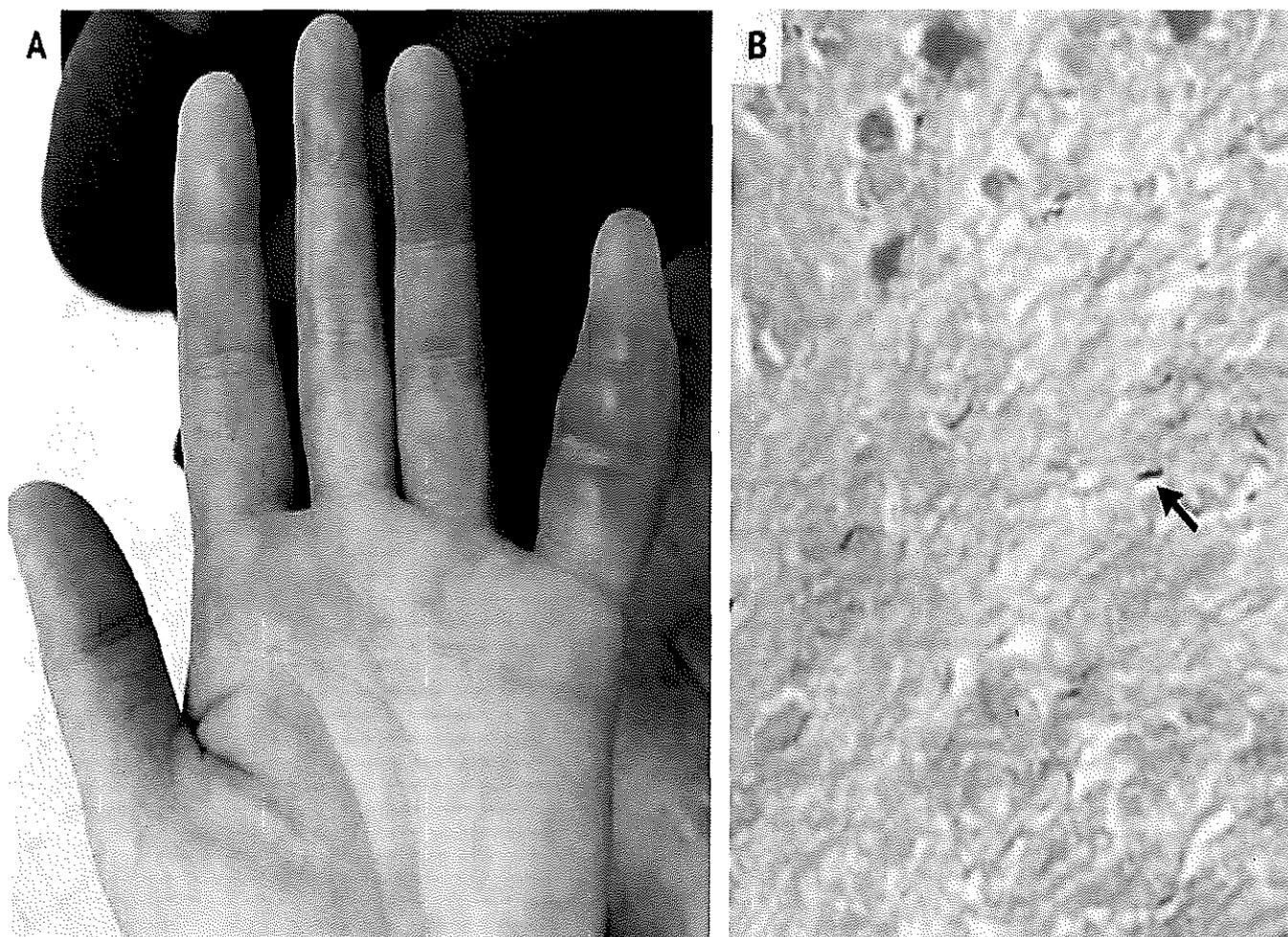
Jennifer Mandal, M.D., and Mary Margaretten, M.D.

September 20, 2018

N Engl J Med 2018; 379:1161

DOI: 10.1056/NEJMicm1800879

Metrics



A 42-year-old woman presented with a 1-week history of swelling and pain in the fifth finger of her left hand. She reported no related trauma. She had systemic lupus erythematosus and was

being treated with mycophenolate mofetil and prednisone. Physical examination of the affected finger revealed soft-tissue swelling, with erythema and warmth, that was most prominent between the proximal and distal interphalangeal joints, sparing the fingertip (Panel A). Radiography and magnetic resonance imaging revealed swelling of soft tissue but no bony abnormalities. Examination of a biopsy specimen of the deep dermis after Fite staining revealed numerous acid-fast bacilli (Panel B, arrow). Culture of a tissue sample grew *Mycobacterium tuberculosis*. Findings on radiography of the chest were normal. The patient had undergone a purified protein derivative skin test before starting immunosuppressive therapy; the result was negative. Further investigation revealed that the patient's husband, who had recently traveled to China, had a cough that developed soon after his return home. He subsequently received a diagnosis of active pulmonary tuberculosis. Although infection of the finger is a rare extrapulmonary manifestation of tuberculosis, it is an important consideration in immunosuppressed patients. This patient was treated with a four-drug antituberculosis regimen for a total of 9 months and had complete resolution of her symptoms.

Jennifer Mandal, M.D.

Mary Margaretten, M.D.

University of California at San Francisco, San Francisco, CA

jennifer.mandal@ucsf.edu

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