

# Technology Options for Video Directly Observed Therapy (VDOT)

The Minnesota Department of Health (MDH) Tuberculosis (TB) Prevention and Control Program does not endorse any particular product or application for use in video directly observed therapy (VDOT). These options are provided for review and consideration at the local public health level and should be reviewed with input from local public health staff and local legal counsel. This is not an exhaustive list of potential products. MDH has made no assessment on whether the product is compliant with state or federal privacy laws, such as the Minnesota Data Practices Act or HIPAA.

## Products Specific to Telemedicine

These four products have been developed specifically with medication adherence in mind. Patients can use software on computers, tablets or smart phones. Some applications provide a provider web interface that allows the TB staff to review patient compliance and activity.

- [AiCure: AiView \(https://www.aicure.com/index.php\)](https://www.aicure.com/index.php)  
Store-and-forward video (asynchronous). Application uses facial recognition feature that requires no video review on the provider side. Available for Apple and Android.
- [HipaBridge \(http://www.hipaachat.com/\)](http://www.hipaachat.com/)  
Live video conferencing and text features. Commercially available application that is encrypted. Available for Apple and Android.
- [Emocha: miDOT \(http://www.emocha.com/index.php/midot-medication-adherence/\)](http://www.emocha.com/index.php/midot-medication-adherence/)  
Store-and-forward video (asynchronous). Developed by Johns Hopkins University. Available to be purchased, includes up-front costs for installation followed by costs per patient, per month. Available for Android.
- [SureAdhere \(http://sureadhere.com/\)](http://sureadhere.com/)  
Store-and-forward video (asynchronous). Developed by University of California San Diego. Available to be purchased, includes up-front costs including training followed by costs per patient, per month. Currently only available on Android, Apple application is under development.

## Products Not Specific to Telemedicine

These are commercially available products that have been used for VDOT and range in cost. They work using software on computers, tablets or smart phones to complete medication monitoring via video.

TECHNOLOGY OPTIONS FOR VIDEO DIRECTLY OBSERVED THERAPY

- [FaceTime \(https://www.apple.com/mac/facetime/\)](https://www.apple.com/mac/facetime/)  
Live video conferencing. Free and low-cost options. Only available on Apple products.
- [Fuze \(https://www.fuze.com/\)](https://www.fuze.com/)  
Live video conferencing. Free and low-cost options. Available for Apple and Android.
- [ooVoo \(http://www.oovoo.com/\)](http://www.oovoo.com/)  
Live video conferencing and store-and-forward video (asynchronous). Free application. Available for Apple and Android.
- [Skype \(https://www.skype.com/en/\)](https://www.skype.com/en/)  
Live video conferencing. Free and low-cost options. Skype has a translator application that can provide simultaneous interpretation during video calls. Available for Apple and Android.
- [Tango \(http://www.tango.me/\)](http://www.tango.me/)  
Live video conferencing. Free application. Available for Apple and Android.

## Videophone

Videophones provide live video conferencing using a landline connection. This requires the purchase of videophones (hardware) that must be connected to an active landline at the client location and the provider location. Video is transmitted via the landline and there are no additional or ongoing costs to video calls using this technology. There are a variety of vendors that sell these videophones and the products range from relatively low-cost to very expensive.

Technology Option Features								
	Landline-based	Internet-based	Available on Android	Available on Apple	Free or Low Cost	Encrypted	Store-and-forward	Live Video
AiCure		X	X	X		X	X	
HipaaBridge		X	X	X		X		X
Emocha: miDOT		X	X			X	X	
SureAdhere		X	X			X	X	
FaceTime		X		X	X			X
Fuze		X	X	X	X			X
ooVoo		X	X	X	X		X	X
Skype		X	X	X	X			X
Tango		X	X	X	X			X
Videophone	X				X			X

TECHNOLOGY OPTIONS FOR VIDEO DIRECTLY OBSERVED THERAPY

651-201-5414, 1-877-676-5414  
[www.health.state.mn.us](http://www.health.state.mn.us)