

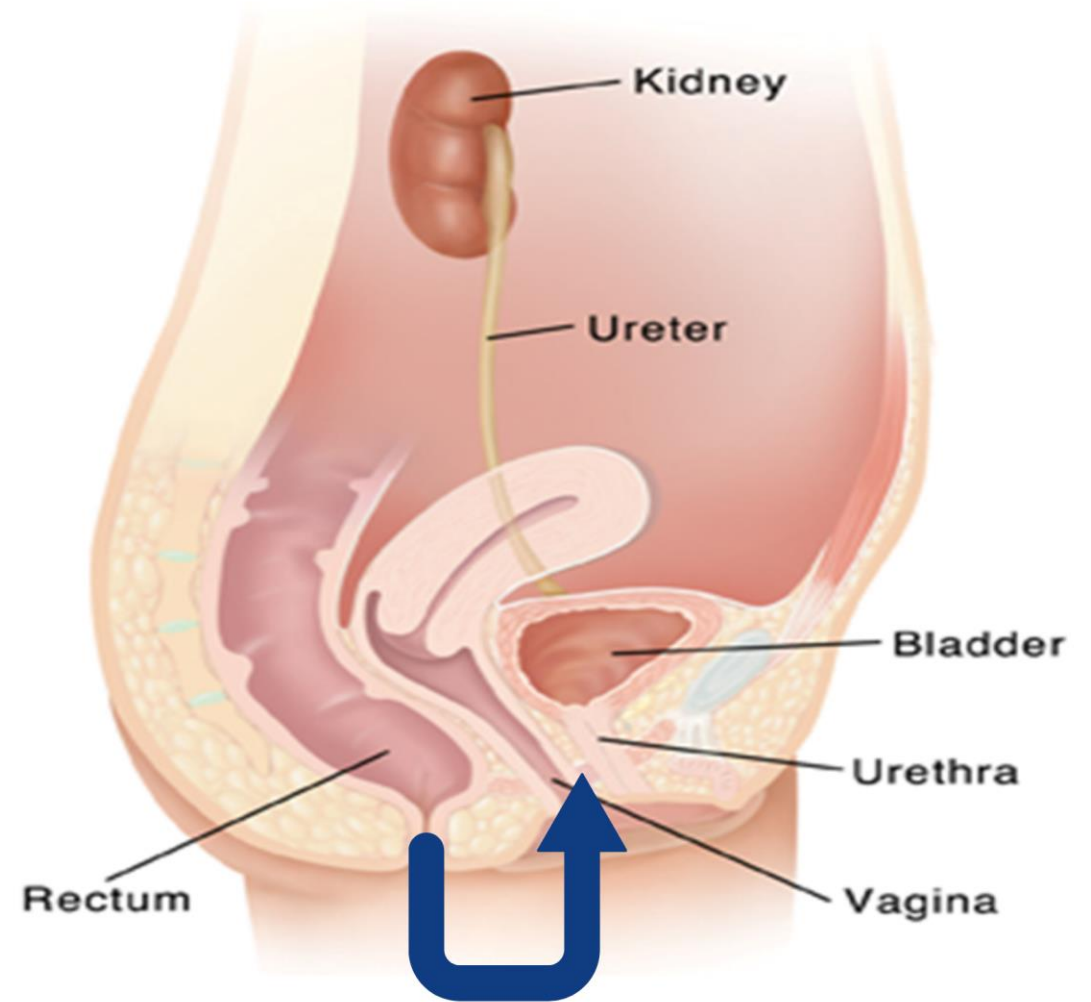
URINARY TRACT INFECTION TEST

AFH Council Fall Conference 2022
Marysville, WA
September 29, 2022



Myles Yu, MD, PhD
Chief Medical Officer
FidaLab, Seattle, WA

WHAT CAUSES A URINARY TRACT INFECTION?



CONSEQUENCES OF UTI

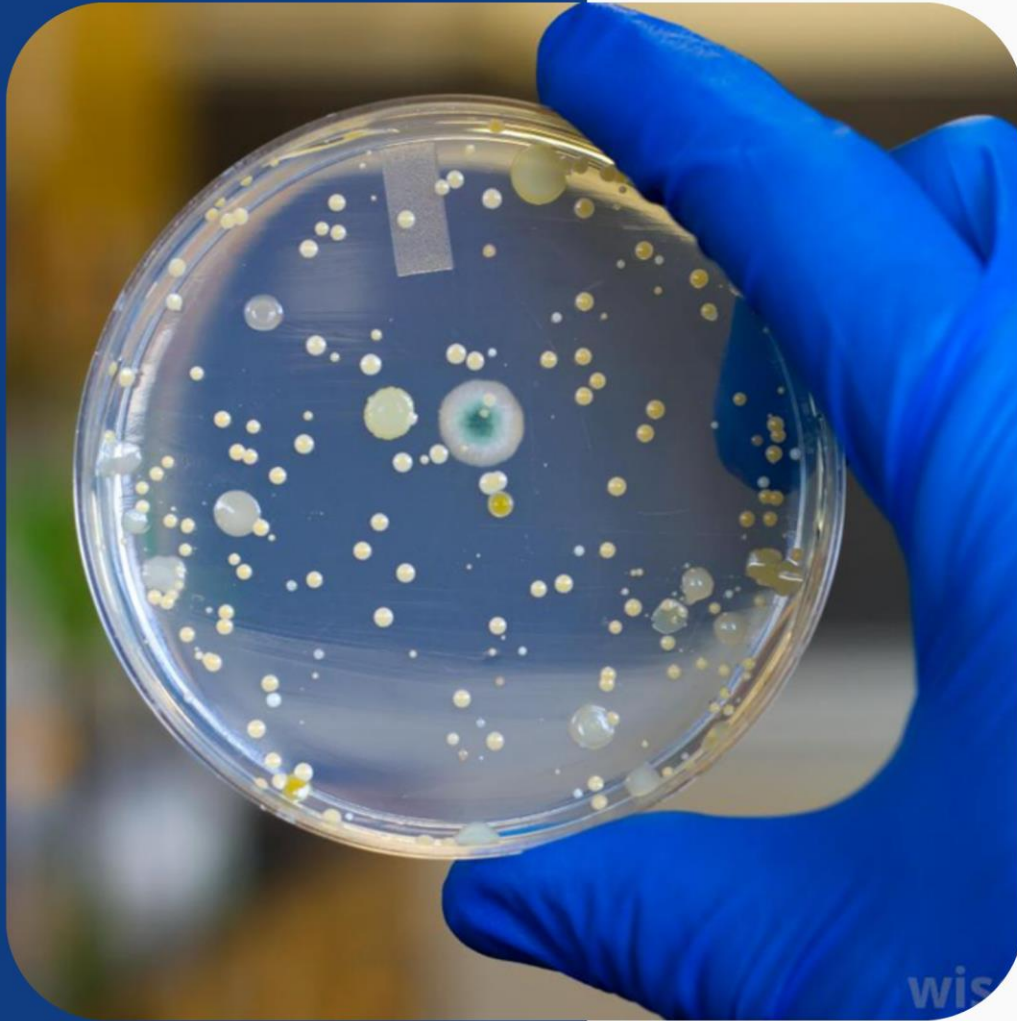
- General health deterioration
- Antibiotic side effects
- Fall
- Worsening of dementia or delirium
- Hospital admission
- Sepsis
- Death






WHEN TO SUSPECT A UTI

- Acute dysuria
- Fever > 100° C
- New or worsening signs and symptoms:
 - Urgency
 - Frequency
 - Gross hematuria
 - Suprapubic tenderness
 - Costovertebral angle tenderness
 - Urinary incontinence





LAB DIAGNOSIS: URINE CULTURE

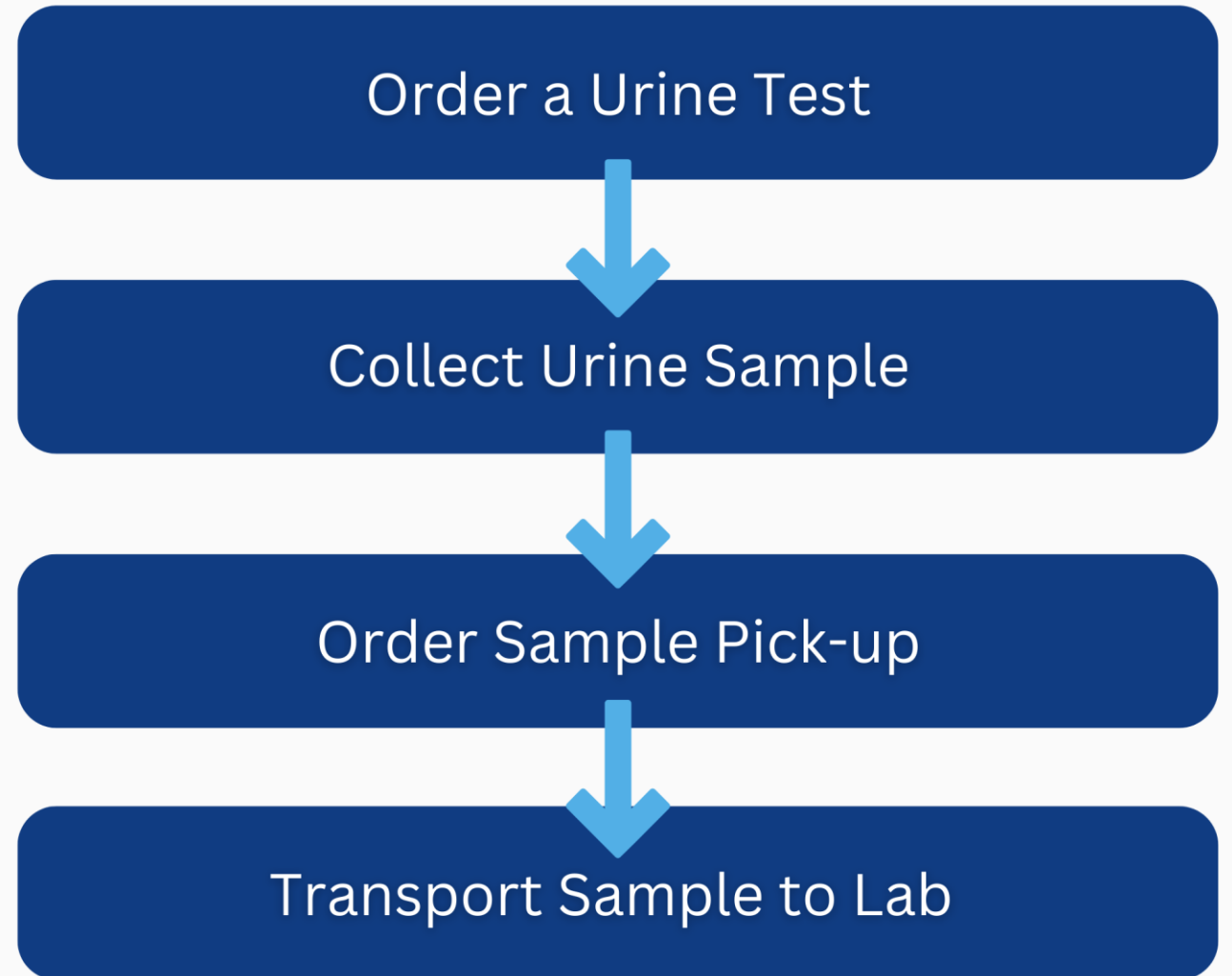
-  Slow
-  Inaccurate
-  Need catheter for some



LAB DIAGNOSIS: PCR

- ✓ Highly Accurate
- ✓ Next Day Results

PCR URINE TEST



ADVANTAGES OF PCR TEST

Order a Urine Test

Collect Urine Sample

Order Sample Pick-up

Transport Sample to Lab

Simplified Requisition Form

FIDALAB
FIDELITY DIAGNOSTICS
PCR UTI REQUISITION FORM

ATTENTION: TEST RESULTS WILL BE DELAYED UNLESS INFORMATION HIGHLIGHTED IN YELLOW IS PROVIDED, ATTACHED, OR FAXED TO (425) 523-9994

PATIENT INFORMATION

Received Additional Documents:
1 - Copy of Insurance Cards (Front and Back)
2 - Patient Face Sheet
3 - Valid Physician Order

Facility Name: _____

First Name: _____
Last Name: _____

DOB: _____
Gender: _____

Provider Order: Attached Faxed to (425) 523-9994

Street Address: _____
City: _____ State: _____ ZIP: _____

Provider Last Name: _____
First Name: _____

RESULTS AND CONTACT INFO

Provide All Relevant Fax Numbers To Ensure Timely Results

Send Results Copy: Printout Fax Result

Facility Fax: _____
Physician Fax: _____

Name: _____
Email: _____

Phone: _____
Cell: _____

Secondary Contact Name: _____
Secondary Contact Phone: _____

DIAGNOSIS / REPORTED SYMPTOMS

Select All That Apply

RBC/Patrol Urinary Symptoms RBC/Frequent Urination
 RBC/UTI - urgency of Urination RBC/Sudden Onset Incontinence
 RBC/Bloody Urine (hematuria) Cloudy/Discolored/White Smelling Urine
 RBC/Flu-like and Pelvic Pain RBC/Specific Tenderness
 RBC/UTI Fever RBC/Slow Flow Pressure (Spikes) etc.
 RBC/UTI Discolored White (Fungal) RBC/UTI Crystals
 RBC/UTI Discharge/Discomfort RBC/Recent Flu

URINARY TRACT INFECTION TESTING

Urinary Tract Infection (UTI) Test by PCR (includes Antibiotic, Urine Matrix)

Chlamydia Mycoplasma hominis
 Gonorrhea Neisseria meningitidis
 Chlamydia trachomatis Herpes Simplex Virus
 Trichomonas vaginalis Mycoplasma genitalium
 Mycoplasma pneumoniae Mycoplasma fermentans
 Mycoplasma hominis Mycoplasma parvum
 Mycoplasma pneumoniae Mycoplasma fermentans

Antibiotic Resistance Reflex Test

Ampicillin Nitrofurantoin
 Ciprofloxacin Fosfomycin
 Levofloxacin Trimethoprim-sulfamethoxazole
 Moxifloxacin Vancomycin
 Tobramycin Colistin
 Meropenem Linezolid
 Ceftazidime Ceftazidime-avopivoxil
 Ceftazidime-avopivoxil
 Ceftazidime-avopivoxil
 Ceftazidime-avopivoxil

Other Symptoms: _____

SAMPLE INFORMATION

Date of Collection: ____/____/____
Catheterized? Yes No

PATIENT SIGNATURE

Date: ____/____/____

HEALTHCARE PROFESSIONAL SIGNATURE

Date: ____/____/____

HEALTHCARE PROFESSIONAL PRINTED NAME

ADVANTAGES OF PCR TEST

Order a Urine Test

Collect Urine Sample

Order Sample Pick-up

Transport Sample to Lab

- In-house collection for ALL
- No need for catheterization



URIPAD DEMO VIDEO

PROTECT RESIDENTS' SAFETY & REDUCE STAFF WORKLOAD

Resident	<ul style="list-style-type: none">• Mental and physical stress• Exposure risk• Catheterization
Caregiver	<ul style="list-style-type: none">• Calls hospital for appointment• Arranges Transportation• Prepares residents for travel
Family	<ul style="list-style-type: none">• Takes time off from work• Transportation cost

ADVANTAGES OF PCR TEST

Order a Urine Test



Collect Urine Sample



Order Sample Pick-up



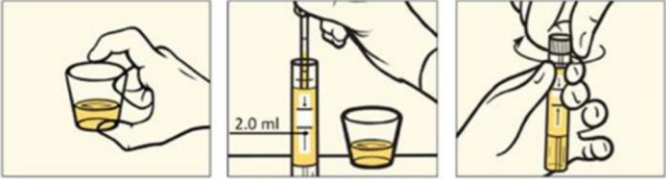
Transport Sample to Lab



Courier or FedEx

USE PHONE APP TO ORDER SAMPLE PICKUP

URINE SPECIMEN COLLECTION




Patient provides clean-catch urine (approximately 20 to 30 mL of midstream) into urine collection cup.


Transfer 2 mL of urine into urine specimen transport tube using disposable pipette provided.

Re-cap urine specimen transport tube tightly, and label the tube with patient name and DOB.

- Please fill the requisition form with signatures and put in the biohazard bag along with the urine tube and face sheet .
- Specimen is stable at room temperature for 5 days.

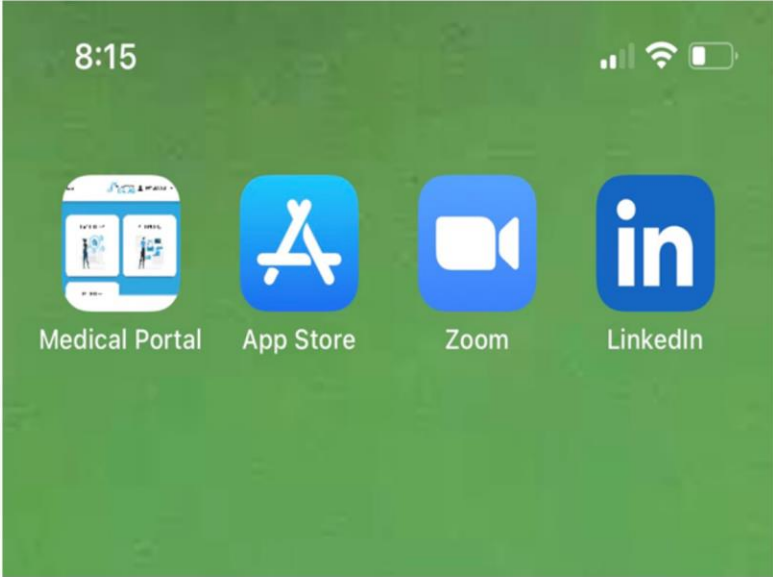


Urine Specimen Pickup and FidaLab assistance, please scan the QR code

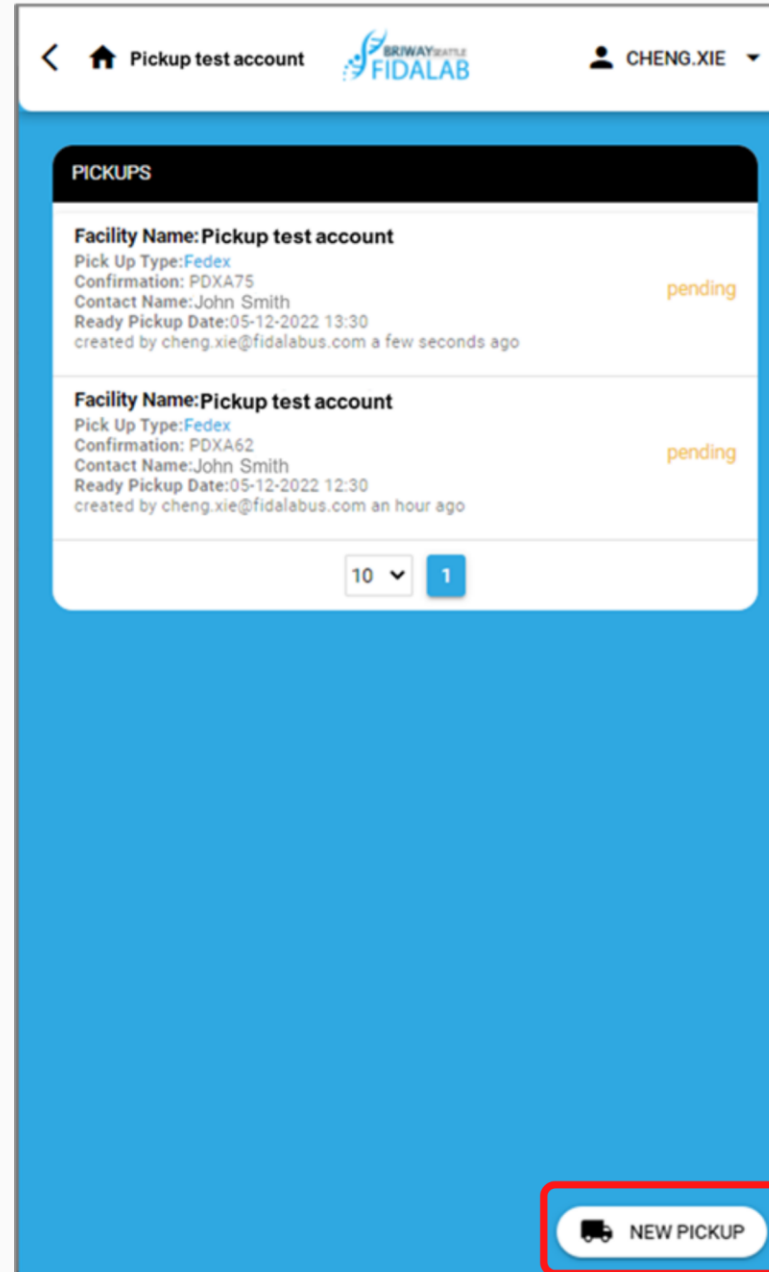
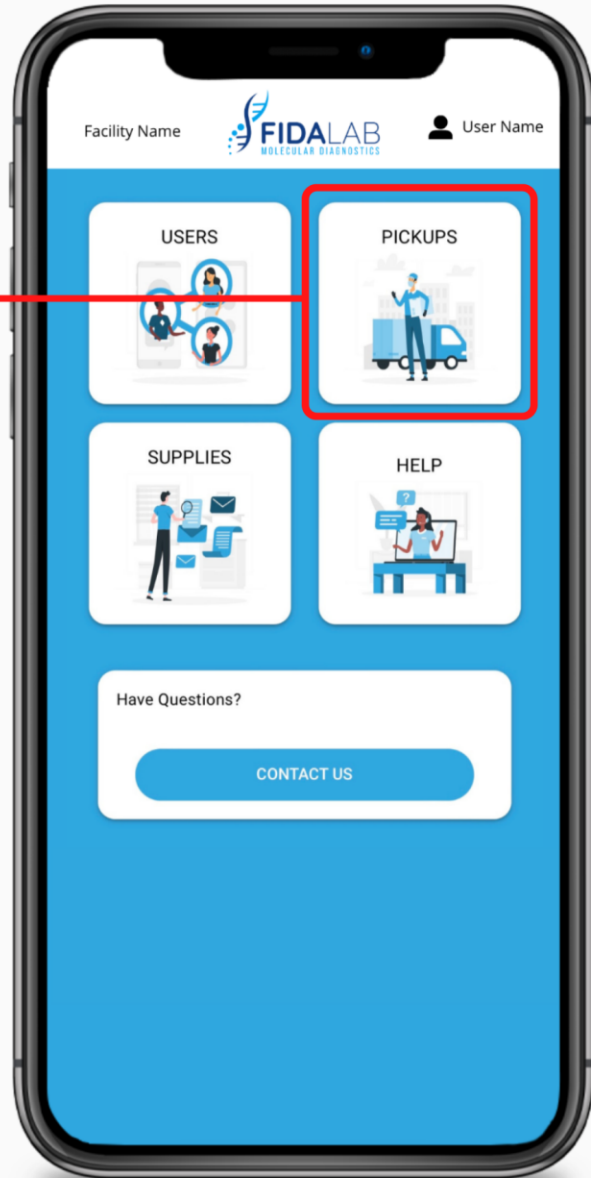


CLIENT SERVICES

Result by Fax or Portal (<https://fida.digitalrequisitions.com>)



CLICK
HERE



CLICK
HERE

ADVANTAGES OF PCR TEST

Order a Urine Test

Collect Urine Sample

Order Sample Pick-up

Transport Sample to Lab



Maintain Sample Integrity

ANTIBIOTICS TAILORED TO ELDERLY POPULATION

CURRENT ANTIBIOTIC RECOMMENDATIONS

- Nitrofurantoin
- TMP-SMX
- Ciprofloxacin

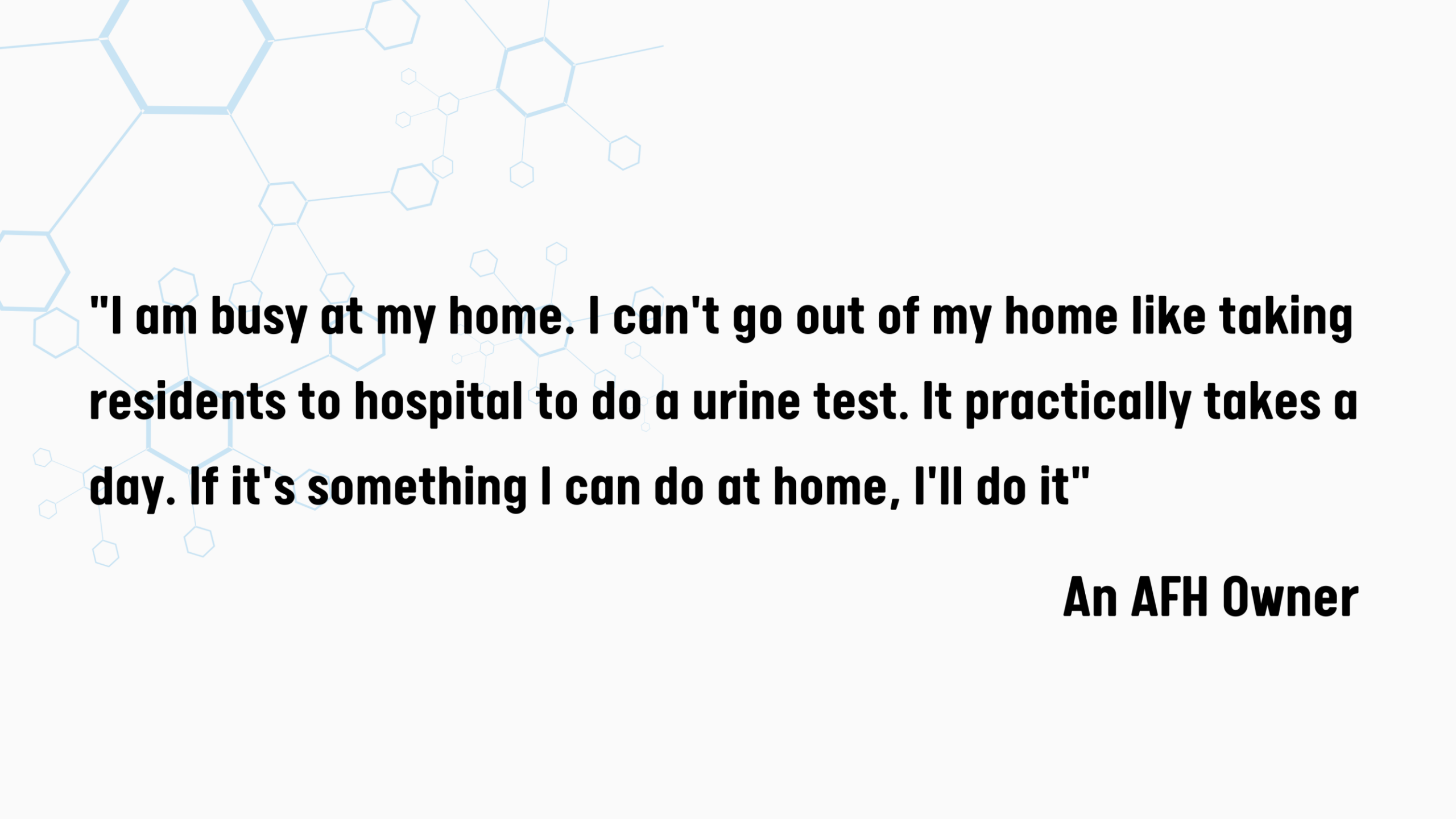
FIDALAB ANTIBIOTIC RECOMMENDATIONS

- β -Lactams
- Fosfomicin
- Ciprofloxacin



UTI PREVENTION

- Cranberry Formulations (Debatable)
- Vaginal Estrogen
- Mobility
- Hydration
- Prompt bathroom use
- Hygiene
- Discontinue catheter as soon as possible



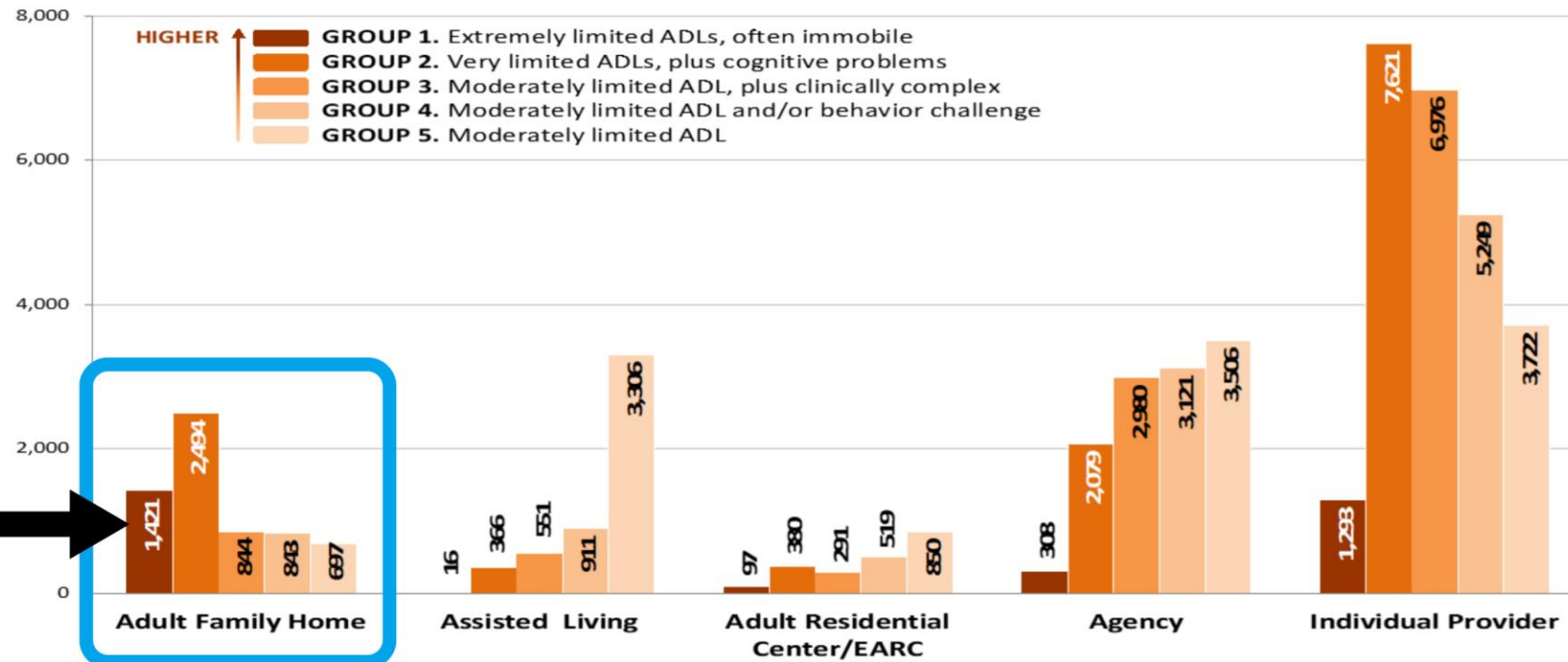
"I am busy at my home. I can't go out of my home like taking residents to hospital to do a urine test. It practically takes a day. If it's something I can do at home, I'll do it"

An AFH Owner

AFHs HAVE THE HIGHEST % OF IMMOBILE RESIDENTS

Supporting people of all acuity levels in community-based settings has been key

Long Term Care Assessment by Setting and Acuity



UTI IN LTCFs

	OB/GYN Clinics (N=460)	Memory Care (N=75)	Assisted Living (N=261)	AFH (N=256)	SNF (N=58)
UTI Test Positive Rate	30.4%	41.3%	57.4%	71.4%	74.1%

Data from FidaLab

COMMONLY ENCOUNTERED ISSUES

- Cultural barrier
- Language barrier
- Unfamiliar with healthcare system
- Uncomfortable with collecting urine samples



FIDALAB CONTACT INFO:

Blake Crockett

360-584-4998

blake.crockett@fidalabus.com



Dawn Kuipers

425-829-6278

dawn.kuipers@fidalabus.com





THANK YOU!