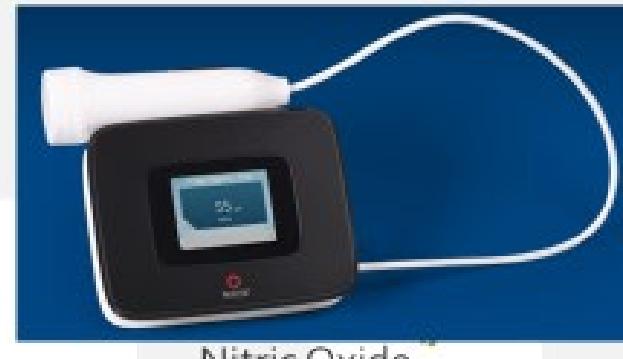


# Respiratory – Inflammatory Monitoring – COPD – Asthma – COVID-19



Home – SNF – LTC – Elder Residential Living



# Respiratory Monitoring

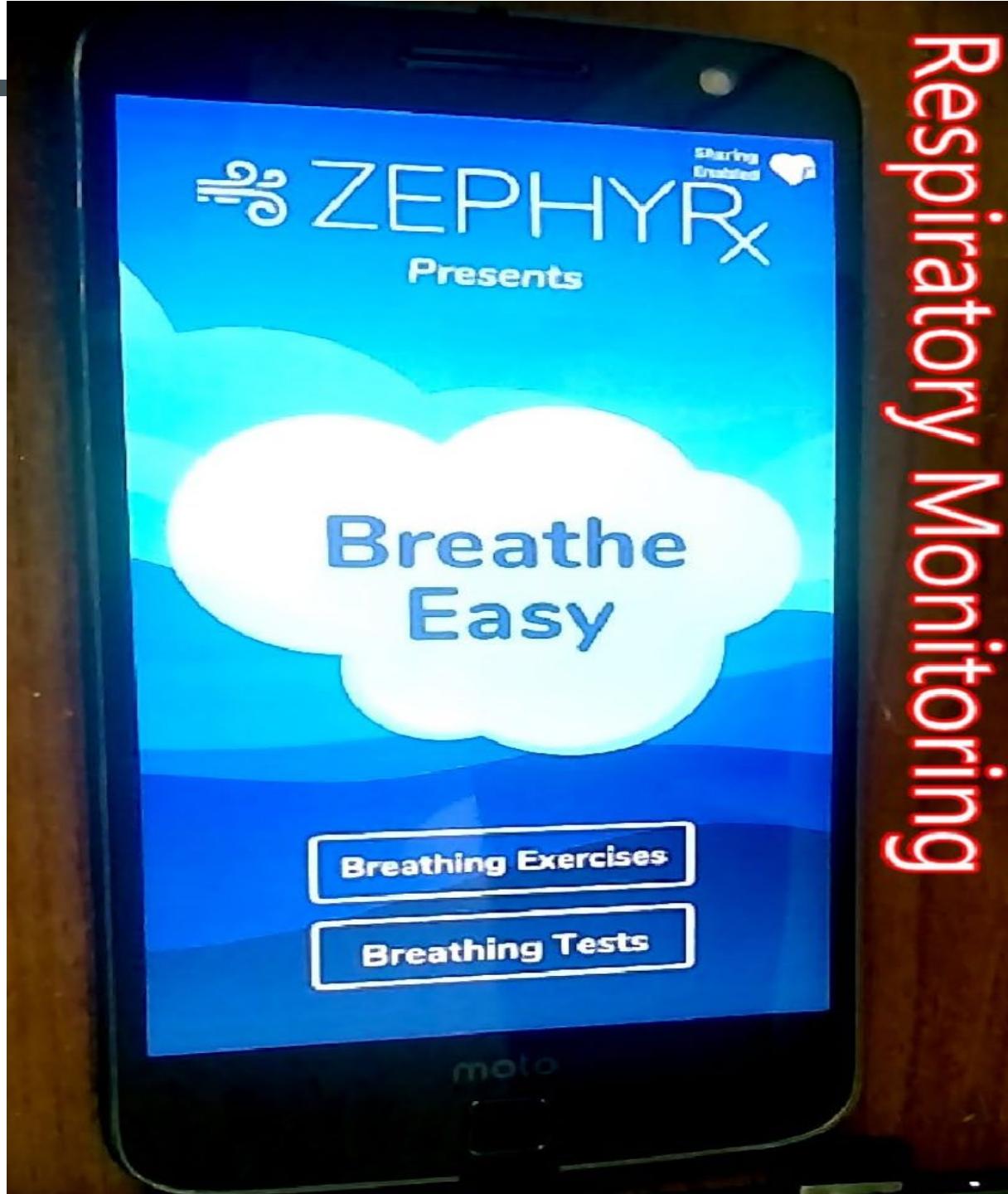


# Respiratory Monitoring



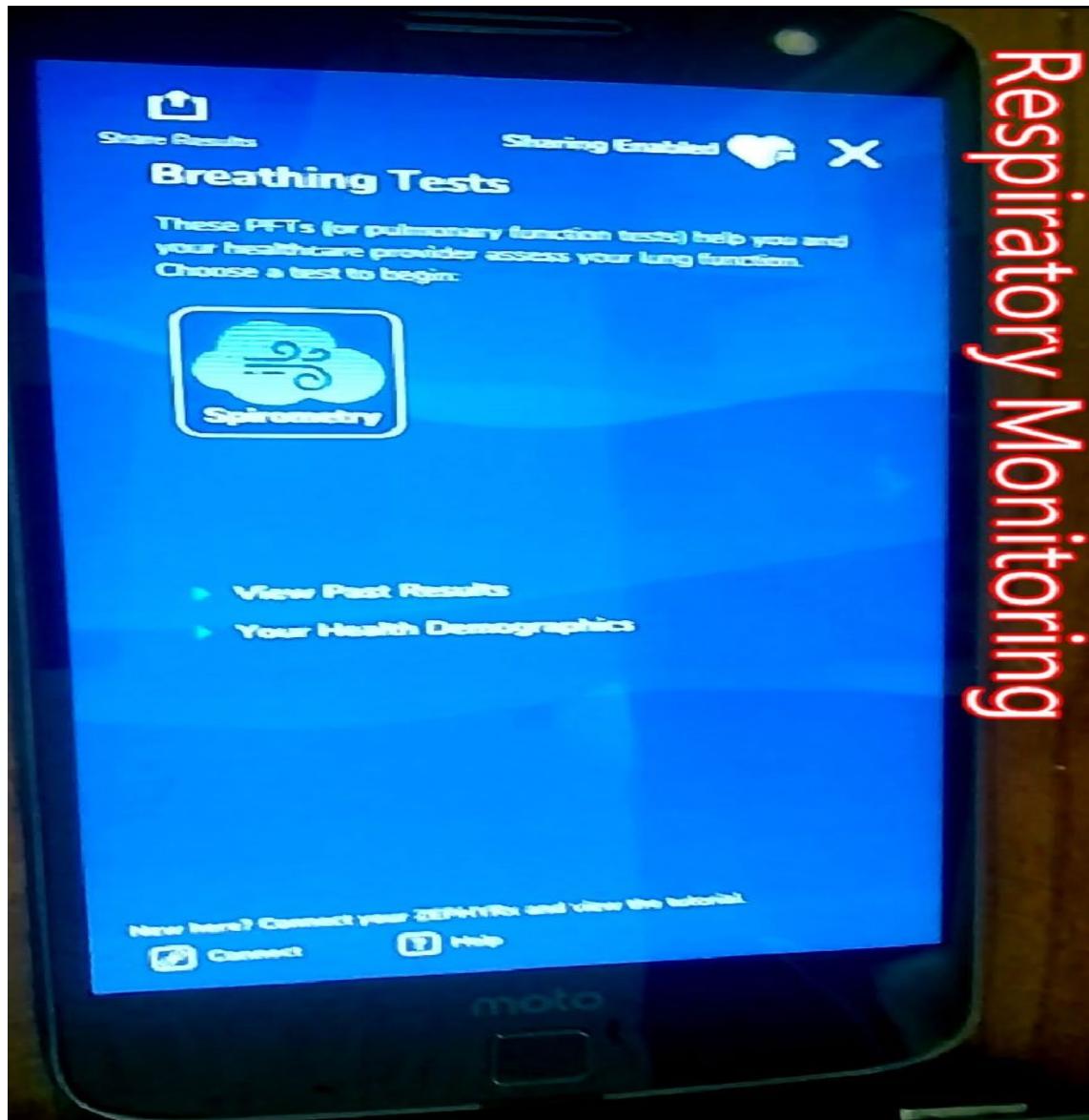
# Respiratory Monitoring



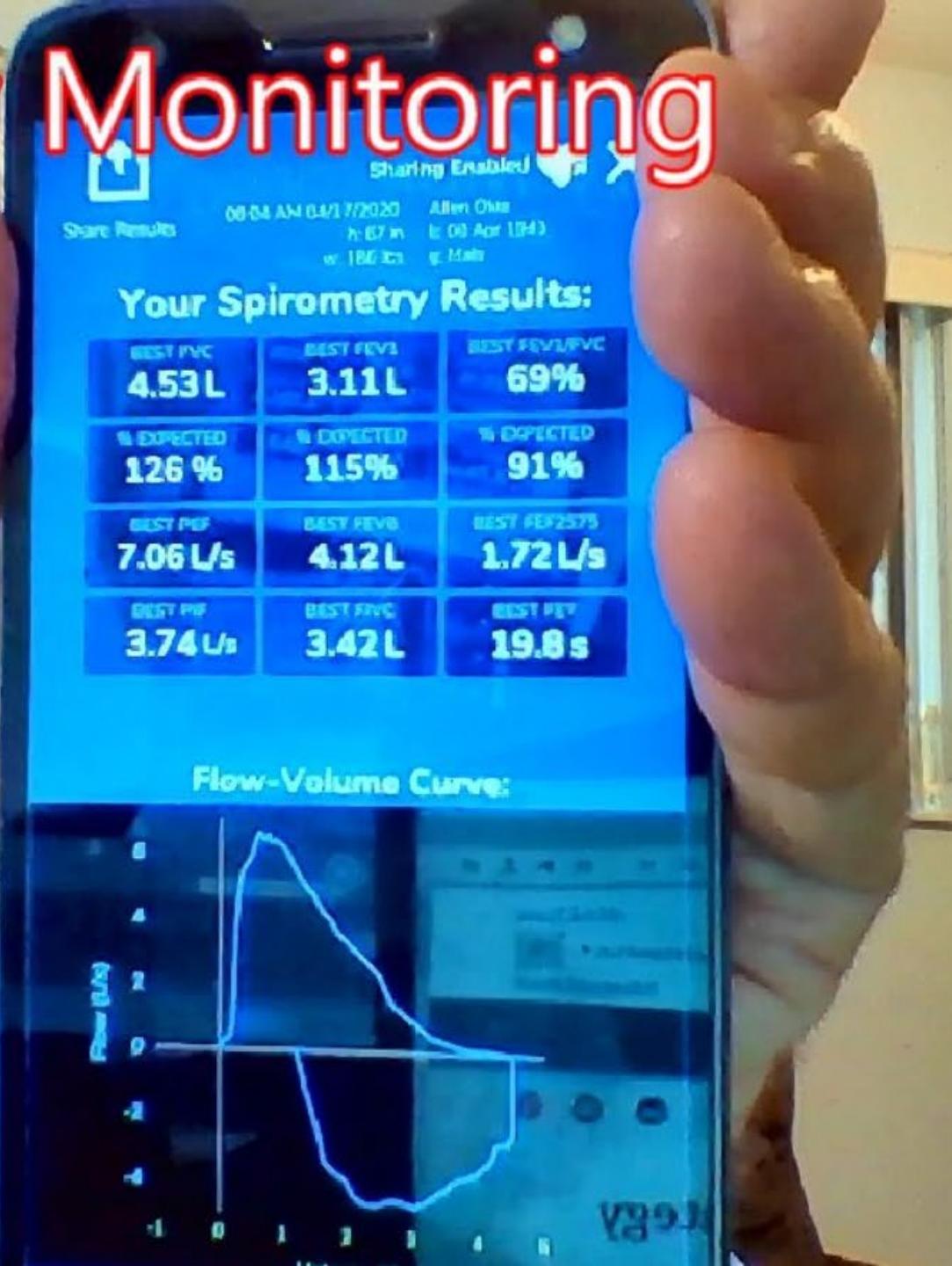


Respiratory Monitoring

# Respiratory Monitoring



# Respiratory Monitoring



Layout: Patient Data Asthma On... ▾ View As: Matching records:  Include  Omit Insert: Operators ▾ Script paused  Continue  Cancel



**Asthma and Allergy Solutions**  
"Dedicated to wellness, committed to care"

**Dashboard**

**New Patient**

**Search**

---

**Patient Data**

Sleep Apnea	Gastro ER	Asthma	Bronchitis	COPD	Emphysema	Pulmonary Rehab	Chronic Cough	Respiratory Infection	Cystic Fibrosis
Patient:									
Patient DOB/Age:	<input type="text"/>								
Clinic Pt ID/Gender:	<input type="text"/>								
Barcode:									
Medical Practice:									
Patient Zip Code:	<input type="text"/>								
Insurance Carrier:	<input type="text"/>		<input type="button" value="Help"/>						
Vital Monitor ID:	<input type="text"/>								
Spirobank ID:	<input type="text"/>								
EHR Classification:	<input type="text"/>								
Adult or Pediatric:	<input type="text"/>								
Provider:	<input type="text"/>								
Nurse:	<input type="text"/>								
FeNO DOS:	<input type="text"/>								
Spirometry DOS:	<input type="text"/>								

**Initial ICD-10 & Notes**

**Prescriptions**

**Crash Cart**

**Asthma Action Plan**

**Clinic Spirometry Chart**

**Respiratory Billing Forms**

**Asthma Control Test**

**Clinic Follow-up Spiro/FeNo**

**Respiratory Snapshot:**

ACT =

FEV1 Pre =

FeNo =

FEV1 Post =

**Clinic Vitals**

**Vitals Monitor**

**Help Desk**

**FeNO Chart**

**At Home Spirometry**

**Provider/Allergist Consultation**

**Chart Notes**

**Patient Notes**

---

**AAS Pt ID**

**Patient Contact**

**Deactivate**

Patient

Reg #

Date

5/21/2020

DOB:

Age:

## Green Zone (Doing Well)

- ✓ Breathing is good (no coughing, wheezing, chest tightness, or shortness of breath during the day or night), and
- ✓ Able to do usual activities (work, play, and exercise)
- ✓ Spirometry test is 80% or higher  
Forced Value =   )

## YELLOW ZONE (Caution)

- ✓ Breathing problems (coughing, wheezing, chest tightness, shortness of breath, or waking up from sleep), or

### Controller Medications

Take these medication(s) **EVERY DAY**

Select Zone

Medication Name

Dose

Frequency

Strength

If your child usually has symptoms with exercise, then give:

### Rescue Medications

Select Zone

Continue giving the controller medication(s) as prescribed.

Give:

--

Then:

- Wait **20 minutes** and see if the treatment(s) helped
- If your child is **GETTING WORSE** or is **NOT IMPROVING** after the treatment(s), go to the **RED ZONE**
- If your child is **BETTER**,

Records

Show All | New Record | Delete Record | Find | Sort | Share

Layout: Asthma Action Control - ...

View As:

Preview

Script paused

Continue

Cancel

Aa

Edit Layout

- ✓ Can do some, but not all, usual activities, or
- ✓ Current Spirometry test is below 80% but is 60% or higher  
Forced Value =

• If your child is BETTER,

**Then:** If your child still has symptoms after 24 hours, CALL YOUR CHILD'S DOCTOR and if he/she agrees:

Start:   
 Other:

If rescue medication is needed more than **2 times a week**, call your child's doctor at

## RED ZONE (Medical Alert)

- ✓ Breathing is hard and fast (nose opens wide, ribs show), or
- ✓ Quick-relief medications have not helped, or
- ✓ Cannot do usual activities (including trouble talking or walking) or
- ✓ Current Spirometry test is below 60%  
Forced Value =

### Emergency Treatment

Select Zone

Give these medication(s) AND seek medical help NOW.

**Take:**

**Then:**

- Wait **15 minutes** and see if the treatment(s) helped
- If your child is **GETTING WORSE** or is **NOT IMPROVING**, **go to the hospital or call 9-1-1**
- If your child is **BETTER**, continue treatments every 4 to 6 hours and call your child's doctor - **say your child is having an asthma attack and needs to be seen TODAY**

**Then:**

If your doctor agrees, start:

Other:

Plan Developed in Partnership with Patient's Family by (Doctor's Name):

Doctor Number:

Signature:

Date/Time

[Dashboard](#)

Found:

1 / 128

[Patient Search](#)[New Patient](#)

Patient Data		Asthma:
Patient:	Burns	
Patient DOB/Age:	4/16/1997	22
Clinic Pt ID/Gender:	X6547B	Male
Barcode:		
Medical Practice:	Veteran Affairs Clinic	106
Patient Zip Code		
Insurance Carrier:	Chosen clinic has no Insurance C <a href="#">Help</a>	
Spirobank ID		
EHR Classification:		
Adult or Pediatric:	Adult	
Provider:	Demo Provider	
Provider's Billing NPI:	141609	
Allergy Tech:	Test Nurse	
Enviro Test DOS:	7/9/2019	
Provider Review Date:	3/2/2020	
Enviro Re-Test DOS:		
Date Enviro Mix DOS:	11/11/2019	
Allergy Shots DOS:	2/10/2020	
Spirometry DOS:		
Adult Food Test DOS:	7/9/2019	
Pedi Food Test DOS:		

Found: 1 / 128

[Patient Search](#) [New Patient](#)

[Asthma](#) [Environment](#) [Food](#) [Penicillin](#)

<a href="#">Initial ICD-10 &amp; Notes</a>	<a href="#">Asthma Rx</a>	<a href="#">Crash Cart</a>
<a href="#">Asthma Action Plan</a>	<a href="#">Spirometry Chart</a>	<a href="#">Asthma Billing Forms</a>
<a href="#">Asthma Control Test</a>	<a href="#">Environment Test Spiro/FeNo</a>	<a href="#">Asthma Snapshot:</a> No ACT score
<a href="#">TRACK 5yr &amp; under</a>	<a href="#">Food Test Spiro/FeNo</a>	<a href="#">FEV1 Pre = 82</a>
<a href="#">FeNo Chart</a>	<a href="#">Injection Spiro/FeNo</a>	<a href="#">FeNo = 15</a>
<a href="#">FeNo Test</a>	<a href="#">Asthma Follow-up Spiro/FeNo</a>	<a href="#">FEV1 Post = 25</a>
<a href="#">Patient Forms</a> <a href="#">English</a> <a href="#">Español</a>	<a href="#">At Home Spirometry</a>	<a href="#">Provider/Allergist Consultation</a>
<a href="#">Patient Notes</a>	<a href="#">Allergy Alerts</a>	

### Asthma Followup

You can submit spirometry & FeNo scores for a patient here for asthma only or asthma & allerav Followup visits.

Timestamp:

**NEW ACT/TRACK**

**FEV1 Value - Pre**

**Scan FeNO QR:**  tap-iPad camera-barcode

**FeNo Test**

**FEV1 Value - Post**

Does the Asthma Action Plan need to be adjusted?

**Asthma Action Plan**

**Document Copies**

Take picture of PDF and drag or copy into this box.

This will take you to the Spirometry Graph for Asthma Only events

**Nurse Visit Only!**

**Clear**

[Patient Search](#)

[New Patient](#)

[Environment](#)

[Food](#)

[Penicillin](#)

**Asthma Rx**

**Spirometry Chart**

**Environment Test Spiro/FeNo**

**Food Test Spiro/FeNo**

**Injection Spiro/FeNo**

**Asthma Follow-up Spiro/FeNo**

**At Home Spirometry**

**Crash Cart**

**Asthma Billing Forms**

**Asthma Snapshot:**  
No ACT score

FEV1 Pre = 82

FeNo = 15

FEV1 Post = 25

**Provider/Allergist Consultation**

**Allergy Alerts**



# At Home Spirometry

Date	FEV1%
------	-------

4/21/2020

81.3%

**Report**

4/19/2020

80.0%

**Report**

4/19/2020

80.0%

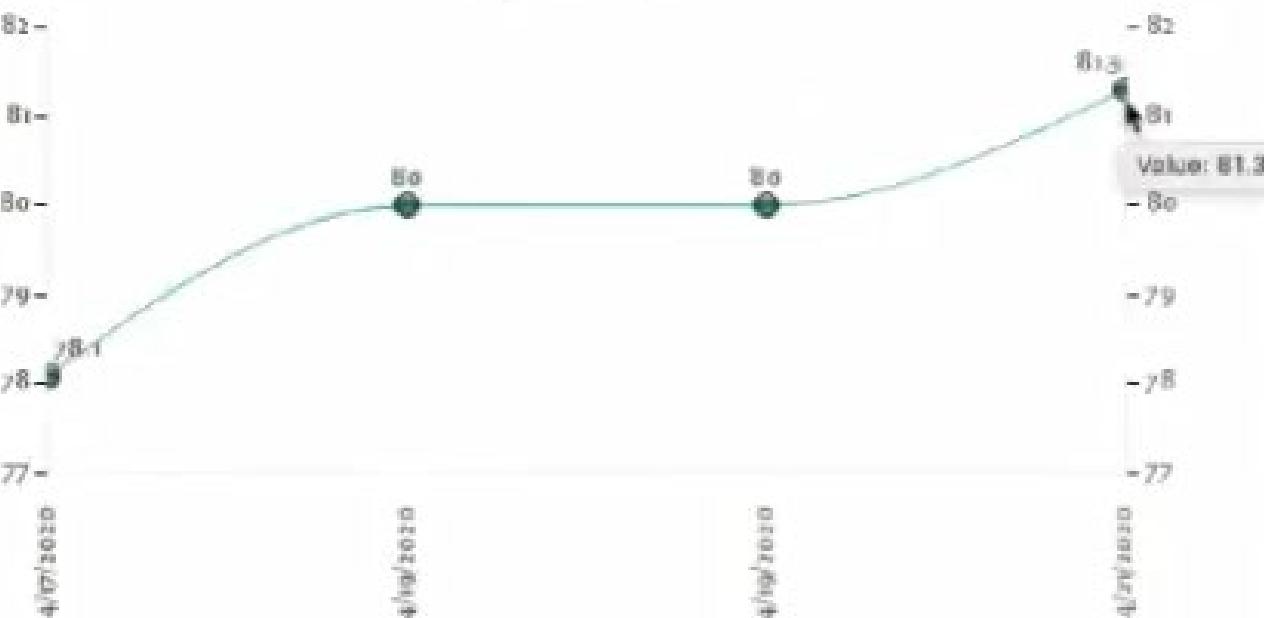
**Report**

4/17/2020

78.1%

**Report****FEV1/FVC %****FEV1 FVC FEF2575**

## At Home Spirometry Chart - FEV1 Values

 FEV1%**Refresh**

Date of Last Review:

4/17/2020

Days to wait until next review can be claimed:

3

**Complete and Bill**

Adult Food Test DOS:

Patient

Penicillin

trash Cart

a Billing Forms

Asthma  
snapshot:

ACT = 18

V1 Pre = 75

eNo = 12

V1 Post = 80

ider/Allergist  
nsultation

ergy Alerts



1

58  
Total (Unsorted)

QR Search

Layout

Records

Show All

New Record Delete Record

Find

Sort

Share

A<sup>o</sup> Edit Layout

Layout: POSTIN

View As: Preview

deviceIDc

Z018827

deviceID

SM-005-Z018827

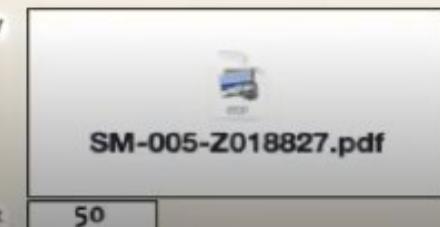
xA_CreatedAccount	zephyrx
xA_CreatedName	zephyrx
xA_CreatedTimeStamp	4/17/2020 10:01:33 AM
xA_ModifiedAccount	nfrank
xA_ModifiedName	Neal Alan Frank
xA_ModifiedTimeStamp	4/21/2020 9:34:44 AM
xK_One	1
xP_Spirobank_ID	F938C8BF-D3EA-9049-983B-

fev1_fvc	-774736842
acceptable	1
bev	0
birthdate	2/14/2013
birthGender	0
deliveryTimestamp	1.5871e+12
deliveryTimestamp_calc	4/17/2020 3:01:31 PM
deliveryTimestampDate	4/17/2020

ethnicity	CAUCASIAN
fdReviewed	
fdSelectForReview	
fef2575	3.39
fet	12.2321525
fev1	3.68
fev1_lln	0
fev1_predicted	0

fev1_z	0
fev1DivFvc_lln	0
fev1DivFvc_z	0
fev6	4-53
fvc	4.22560724
fvcMinusFvc	-36791883
flowVolumeCurve	eyJwb2ludHMIOTzInRpbWVzd
fvc	4-75
fvc_lln	0
fvc_predicted	0
fvc_z	0
height	144.779999
measurementTimestamp	1.5871e+12
measurementTimestamp_calc	4/17/2020 3:01:18 PM
measurementTimestampDate	4/17/2020
pef	520.2
quality	GoodBlow
repeatable	1
spiroPDF	JVBERioxLjQKJdPr6eEKMSAwI

spiroPDFc Copy

weight  
50

# Respiratory Wellness Program



Digital Devices Smart watch  
O2 Saturation  
Temperature  
Blood Pressure  
Activity Level  
FENO



- Continual Patient Monitoring – Respiratory Care Management
  - Full Spirometry at home
  - FENO (Fractionated Exhaled Nitric Oxide) Home and Office based
  - Oxygen Saturation
  - Activity Level
  - Blood Pressure
  - Temperature