

Job Aid Cerner Ambulatory

## **In-Office Spirometry**

1. Order for Perform Spirometry is placed

Pulmonary Diagnostics	≡•⊗
⊿ In Office Pulmonary Diagnostics	
Perform Spirometry	
Spirometry 94010	
Spiro w/ Bronch 94060	
△ PFT Lab Diagnostics	
Coiromotor (DET)	

2. Nurse views task either in the Single Patient Task List or the Multi Patient Task List within Powerchart

**Note:** Additional task list set up is required to view Spirometry tasks. See the Setting Up Task List for In-Office Spirometry Job Aid to complete this one time set up.

Office/Clinic 1	ask Nurse Colle	ct Referrals		
Task retrieval o	completed			
2	Scheduled Date and	d Time Task Descriptio	n Order Details	Financial Number
	11/15/2018 12:09	Perform Spiror	netry 11/15/18	A0054019065

3. Nurse opens spirometry application from desktop by clicking on Midmark IQmanager



4. When application opens, click on New Patient

**Note:** If the patient has had a spirometry test done previously and it was done on the same computer, they can be found within Patient List





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5. Fill in the following fields: Last Name, First Name, Date of Birth, Sex, Race, Weight, and Height. Then click on New Test

**Note:** Weight and Height is in pounds & inches.

mark Diagnoatics Group							
ast Name			Date Of Birth	11		mm/dd/yy	/y Pen
rst Name	N		Sex	Male		Female	View Data
			Race	Unspec	cified	-	Edit
Smoking History Vital Signs	Contact Info Medications	Risk Factors History			Diagnost	ic Reports	
	Vital Signs		Туре	Date*	Reviewed	Reviewed By	Comments/Format
Veight	lbs. 🕸 Temp.	deg. F					
eight	inches SpO2	%					
MI	Resp Rate	RPM					
Р	1						
Pulse	BPM Pain Score		*				
New Vital	Signs Review Vita	al Signs		$\mathbf{i}$			
File P	rint New Patient	Patient List	tient Data View	Report N	New Test	Help	Exit
	↓ ↓			鍧┃	111	(?)	<u>72</u> +

6. Click on Spirometry and enter in the Technician and Requesting Physician names. The Spirometry Profile defaults to Best 3 Pre/3 Post – 1 page, change as necessary. Finally click Ok

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7. If the equipment has not been calibrated, the following window will appear



8. Calibrate per manufacturer directions. Click New Cal then click Start Cal. Preform Calibration and click Exit.

M8327-Configuration Manager Remote Control View Josian Help concepting California	_	_						_ 0
Date	11/14/18 15:23:05		S	ensor ID	293770	221	Previous Calibration	
Performed By			S	ensor SN			Date	
Syringe Volume	3000	ml.	Т	emperature		deg. C	Pressure	mmHg
Syringe S/N			A	ccepted Pumps			Temperature	deg. C
Pressure	760	mmHg	A	vg. Volume		liters	Avg. Volume	liters
Corr. % Change			с	orrection			Correction	
3- 2- 1-								
								Time in seconds
0	1	2	3	4	5	6	7	8
o begin calibration, click on hen press Start to begin ca	n New. Enter the c alibrating.	lata for Performed By	, Syringe Vol	ume, Syringe S/N, Pre	ssure and Sens	or SN.		
Print Ve	erify I	New CalSt	art Cal	Settings	Help	Exit		

9. Perform patient test: After instructing patient, click Start New Test.





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10. After testing is done, click Save Review

Sector Configuration Manage Renord Control						. 8 X
Spirometry for Tester Test, ID - Unknown						
Vol (L) 8 7-			F\	/СТ	est	
6-		- Pred. FVC	Meas.	Pred.	Actual	9^
5-			FVC	5.94	4.46	
4-			FEV1	4.94	2.64	
3			FEV1/FVC	84 %	59 %	
			FEF25%	8.39	3.93	
			FEF50%	5.62	1.59	
1/		Time (S)	FEF75%	2.92	2.41	
0 2 4 6 8 10	12 1	4 16	FEF25-75%	5.18	0.85	
F (L/S)	Dre-Br	nchodilator	PEF	9.19	4.84	
16	Test 1 of 1		Exp. Time		5.52	
12	Prev	Next	Blow out longer.			
8	Accept	Reject	Sensor: R	eady		
	🗆 Best					
1 m	Pre	Post	EVC	1	hented Mate	thee
Vol (L)			VC	ů (	1	
1 2 4 3 4 5 6 7 8	Start	New Test	Post-RD Atte	mnt(s) Acce	ented Mate	ches
			EVC	0 0	3	1
-8-	FVC	VC MVV	MVV	0 0	i /	
.12			Delete Rejected Tests	\$	*	
	Cal	Test Data	Settings H	elp Save	Review	

#### 11. Next click Exit

echnician eviewed By ummary   FVC Graphs   M	Nurse A	•	Review Date Predicteds		Perform Pre-BD	Perform Post BD
eviewed By ummary   FVC Graphs   M <sup>o</sup>	W Granhe VC Granhe		Predicteds			
ummary FVC Graphs M	W Granhe VC Granhe			Crapo	Settings	Bronchodilator
	a a Giabual a c Giabual					
EVC EV1/FVC EE50% EE50% Age: 18 ye Sec: Male	Units VS VS VS VS VS VS VS VS VS VS VS VS VS	Predicted 5.94 84 84 839 5.62 2.92 2.518 N/A	Pre Actua 4.46 2.64 3.93 1.59 2.41 0.85 Pre-BD F Post-BD	Pre % 53 % 47 % 28 % 16 %	Pred. Post Ar	ctual Post % Pr
Height: 72 inc Race: Cauc	ches asian		Smoker: COPD R	No. isk: Moderate.		
Interpretation						1

12. Provider then logs into Midmark IQmanager





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13. Click on Patient List



### 14. Find patient and double click on the name

Search For A Patient				×
Last Name		Patient ID		
Exact Match		Exact Match	ı	
Search Voto Update	9			
	Search Results:	1 record(s) found	l.	
Last Name*	First N	ame	Middle Name	× E
Test	Tester			

#### 15. Click View Report

.ast Name	Te	est		Date Of Birth	01/01/2000	mm	/dd/yyyy Pen	
irst Name	Т	ester	М	Sex	Male	Female	У	iew Data
D				Race	Caucasian		•	Edit
Smoking Vital S	History	Contact Info Medications	Risk Factors History		Diag	gnostic Repo	orts	
	Vital	Signs as of 11/14/18 15	5:22:20	Туре	Date*	Reviewed	Reviewed By	Commen
Weight	150.0	Ibs. Temp.	deg. F	Spirometry	11/14/18			Pre: 1 FV
Height	72	inches SpO2	%					
BMI	20.3	Resp Rate	e RPM					
BP		1			1			
Pulse		BPM Pain Scor	e	< m Moderately severe obs	ruction, with low vital	capacity.		,

16. Enter in your name in the Reviewed By field and then type in the Intrepretation. Once complete, click Exit



#### Cerner Ambulatory

hnician	Nurse A			Review Date			Perf	orm Pre-BD	-	Perform Post BD
iewed By	Provider	A		Predicteds	Crapo			Settings	Broncho	filator
mmary   FVC Gra	phs MVV Grapt	ns VC Graphs								
	1	Units	Predicted	Pre A	ctual	Pre % Pr	ed.	Post Ad	otual	Post % Pr
EV1		L	5.94	4.46		53 %				
EV1/FVC		% L/S	84 %	3 93	%	71%				
EE50%		ĽŠ	5.62	1.59		28 %				
EE75_750	la la	Ha	5.18	F:41		16 %				
	18 upper	Lung Age:	N/A	Dr	A PD EVC	1 attempted 1	betreese	0 matches		
igo. Sex:	Male	Lung Age.	1907S	Po	ost-BD FVC:	0 attempted, 0	accepted,	0 matches.		
leight:	72 inches			Sn	noker:	No.				
Race:	Caucasian			CC	OPD Risk:	Moderate.				
terpretation										
Anderately sever	e obstruction, w	ith low vital capa	city. Testing interpre	tation						

17. Click Yes to save the report



18. Log into Powerchart, open patient's chart, navigate to quick orders, and order the correct spirometry charge



19. Nurse then logs back into Midmark IQmanager, clicks on Patient List, and then finds and opens patient. After the patient opens, highlight today's Diagnostic Report, then click on File

ast Name	Т	est			Date Of Birth	01/01/2000	mm	ddiyyyy Pen	
irst Name	Т	iester		MI	Sex	Male	© Female	Y	iew Data
D					Race	Caucasian		•	Edit
Smoking Vital S	History igns	Co	ntact Info dications	Risk Factors History		Diag	gnostic Repo	rts	
	Vital	Signs as of	11/14/18 15:22	2:20	Туре	Date*	Reviewed	Reviewed By	Commen
147-1-64	150.0	1h - 172	1 7	day 5	Spirometry	11/14/18			Pre: 1 FV
vveight	150.0	ibs.	lemp.	aeg. r					
Height	72	inches	SpO2	%					
BMI	20.3		Resp Rate	RPM					
BP		/							
Dules		DDM	Dain Seara						
Puise		BPW	Pain Score		•	Annalise with Level 4-1			
1,	ew Vital	Signs	Review	Vital Signs	moderately severe obs	aruction, with low vital	capacity.		



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20. Click on the icon next to Save Selected Reports to File (Archive)



21. Find the J Drive and then the Spiro folder. Change the "Save as type" to PDF, then click Save. Exit out of Midmark IQmanager

+ Archive Reports					and the second s	
Save jn:	👢 Spiro		- G	) 🗊 🖻 🕻		
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~	📜 Forms			1:	1/12/2018 6:08 P	M
Recent Places						
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(M89327)	File name:	TestTester_Spiron	netry_11142018_15281	8.pdf	• <u>S</u> e	ave
	Save as type:	Portable Document	Format Files (*.pdf)		• Ca	ncel
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Available Space	163819 MB dae	Archive Reports	Compression:	LOW	•	
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22. Navigate to Clinical Notes within Menu

Menu	<b>P</b>
Ambulatory Workfl	
Acute Workflow	
Results Review	
Orders	🕇 Add
Documentation	🕇 Add
Outside Records	
Task List	
Allergies	🕇 Add
CareSelect	
Clinical Media	
Clinical Notes	
Code Status-AMD	
Form Browser	
Growth Chart	



23. Click on the Scan/Import icon



24. Select Spirometry Report in the Type field, enter in date/time, type in the Subject, change the Author to "Scanned, Documents", and then click Import



25. Locate the J drive and open

Open			×
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Organize •			s · 🛙 0
> 🖬 Videos 🔦	Hard Disk Drives (2)		
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26. Locate your clinic folder and open

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27. Locate the Spiro folder and open



#### Cerner Ambulatory

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Metwork Driv	JI Spiro	11/12/2018 &	File folder			
😪 Network Driv	default.aspx	11/07/2018 3	ASPX File	4 KB		
Setwork Driv	GettingStarted.aspx	11/07/2018 3	ASPX File	3 KB		- 8
	newsfeed.aspx	11/07/2018 3	ASPX File	5 KB		

#### 28. Locate the pdf and open

P Orgn								×
Comput	er + Ambulatory Vault (J:) + CadMcB	ain 🕨 Spiro			• <del>•</del>	Search Spiro		٩
Organize • New folder						10	• 🗊	
32 Recent Place *	Name	Date modified	Type	Size				
Libraries Documents Music Pictures Videos Computer Computer Cache (D) Piroffs (\\mathcal{V} Pictures) Pictures Pictures Computer Cache (D) Pictures Picture	TestTester_Spirometry_1114201	11/14/2018 3	Adobe Acroba	0 KB				
File nar	nei				•	All Files (".") Open	Cance	•

#### 29. Click Submit

P Add Do	ocument ZZZZPHSTEST, PATIENT TWO - G0912919	
*Type:	Spirometry Report - Author: Barned, Documents	ſ
*Date:	11/14/2018 • Told • Status: In Progress	_
Subject:	Spirometry without bronchodilitation	
Associate	ed Providers: Modify	
Patient L	evel Document	
& & 4	▲ Spirometry Report ◆ 例	1 YOU
Arial	- 10 - 🧐 �. ♥. ୬ ☜ ☜ 🥱 B ⊻ / ୫ ≣ Ξ 🚢 № 🕸 0	
Action L	ist	]
	Paste File   Submit   Import   Scan   Save   Save & Close   Cancel	

- 30. The spirometry report has now been imported into Cerner Powerchart
- 31. To delete the report from the J drive:
  - a. Navigate to the Start Menu and open My Computer

# **W**MUNSON HEALTHCARE

#### PowerPoint 2016 , My Computer (M89327) Calculator Control Panel Windows Media Player . Notepad Default Programs Change Network Connection Help and Support IQmanager Configuration All Programs h Log off D Q Search programs and files

#### b. Open the J drive

- 4 🍇 My Computer (M89327)
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#### c. Locate the Spiro folder and open

Organize • New folder				詣 •	Ē	0
🙀 Favorites	Name	Date modified	Туре		Size	
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Skecent Places	E Faxes CAD ObGyn	11/12/2018 6:10 PM	File folder			
	L Faxes McBain	11/12/2018 6:10 PM	File folder			
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Documents	images	11/7/2018 3:03 PM	File folder			
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🕵 Network						
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d. Find the pdf that is to be deleted, right click on the file, and select delete

## Cerner Ambulatory

Job Aid



Organize • ★ Favorites
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Post TestTester\_Spirometry Adobe Acrobat Document

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#### Job Aid **Cerner Ambulatory** - - X \* bau (\\sharepoint16.mhc.net@SSL\DavWWWRoot\sites\av) (J) + CadMcBain + Spiro - 67 5 Open with Adobe Reader XI 🔹 Print New folder 🏽 • 🗌 🔞 Name Date modified Туре Size 11/12/2018 6:08 PM File folder Form 11/12/2018 6:08 PM pometry. 1114/2018 15/2018 Open with Adobe Reader XI Open Dint Dint Scan with System Center Endpoint Protection. Open with TestTester\_Spin 9.2-57.0M A/ e.Acrobat D. Open with Restore previous versions Send to Cu<u>t</u> <u>C</u>opy This file can't be previewe

Offline status: Online

Click Yes to delete the file e.



4

32. Log into Powerchart, open patient's chart, navigate to the task list, right click on the Perform Spirometry task, and click Chart Done

Create shortcut Delete Rename

Date created: 11/14/2018 3:57 PM Offline availability: Not available

Properties

ffice/Clinic Task	Nurse Collect	Referrals		
sk retrieval comp	leted			
Sched	uled Date and Tim	e Task Description	Order Details	Financial Number
11/15/	2018 12:09	Perform Spire		LANT INTONE
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