

2018 Vascular Access for Hemodialysis Symposium

May 10-12, 2018
New Orleans, LA



“How I keep track of my 10,000 fistulas”

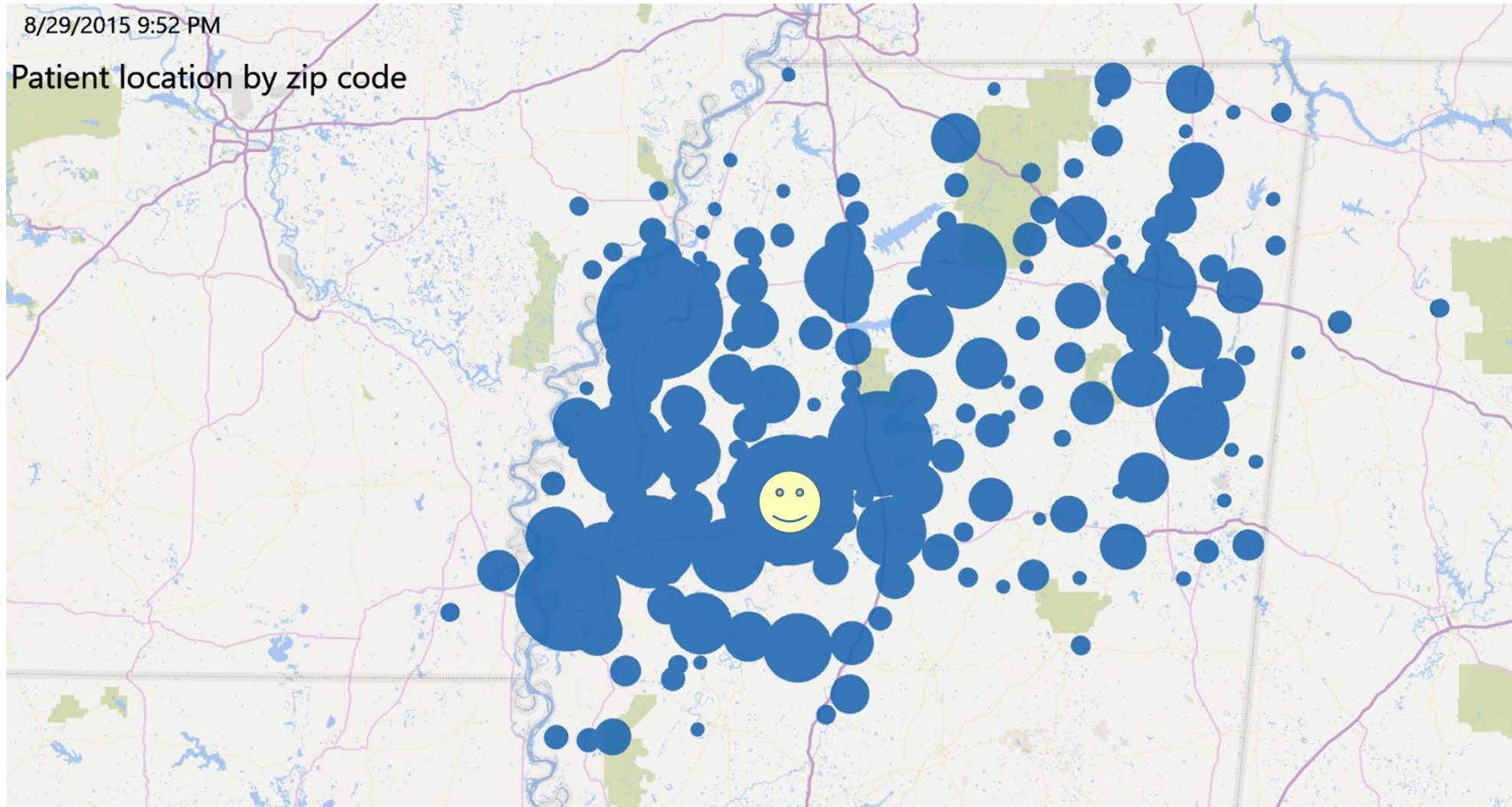
John F. Lucas III, MD, FACS



Experience since January 1st 2011

- 2548 new access procedures
 - 2324 AVFs
- 1874 patients
- 725 died
- 539 failed accesses
- 1177 alive with functioning access

Patient Location by Zip Code



Database

- VQI
 - MR number
 - On dialysis
 - Dialysis method
 - Date started dialysis
 - Long term follow up - Dialysis unit

General Information

Patient Data:

Zip/Postal Code	33333	Gender	Male
Hispanic or Latino	No	Race	White
Height	72 inches		182.9 cm
Weight	700 lbs		317.6 kg

Value out of bounds

Admission Data:

Visit Code	12345678	
Admit Date	01/01/2010	
* Primary Physician	Lucas III, John	* Surgery Date 01/01/2010
Setting	Select	
Assistant	None	
Late Follow-Up Contact	(Greenwood Fresenius)	
Primary Insurer	Self Pay	
Transferred From?	No	
Discharge Date	01/01/2010	Discharge Status Home

Resources

- Dialysis facility manager
- Data entry person
- Dedicated nurse
- Dialysis coordinator

Data Sources for Follow Up

- Dialysis units
- EHR Hospital
 - Surgical interventions
 - Radiologic interventions
- Clinic HER
- Nephrologist
- Patient and family

Process

- Enter all new access creations immediately following surgery
 - Have paper form with info filled out by nurse during case
 - Data entry including signing into VQI about 6 – 8 minutes
- Enter all surgical revisions as a follow up at time of surgery
- Become familiar with Excel and Access
- Add data fields to EHR that are needed in VQI

Annual Follow Up

- 250 pages with 6 patients per page
- 22 dialysis units
- I let the dialysis units call me directly so I feel comfortable calling them
- Send forms to Facility manger
- Ask Dialysis coordinator for help with their units

Aberdeen Fresenius					
Teddy Test	8/25/1950	# of Radiologic interventions since	4/21/2017	#	
Date dialysis started	6/3/2016	# of Surgical interventions since	4/21/2017	#	
AVF/AVG placed on	6/11/2013	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at	Home	
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		
Teddy Tester	10/6/1962	# of Radiologic interventions since	3/27/2017	#	
Date dialysis started	2/1/2017	# of Surgical interventions since	3/27/2017	#	
AVF/AVG placed on	10/10/2016	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at	Home	
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		
Tommy Test	12/12/1957	# of Radiologic interventions since		#	
Date dialysis started		# of Surgical interventions since		#	
AVF/AVG placed on	2/21/2017	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at		
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		
Teddy Bear	8/13/1955	# of Radiologic interventions since		#	
Date dialysis started		# of Surgical interventions since		#	
AVF/AVG placed on	4/5/2017	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at		
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		
Al Testy	6/29/1940	# of Radiologic interventions since	3/27/2017	#	7/28/2015
Date dialysis started	4/16/2016	# of Surgical interventions since	3/27/2017	#	
AVF/AVG placed on	1/14/2015	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at	Home	
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		
Teddy Williams	11/24/1943	# of Radiologic interventions since	4/20/2017	#	
Date dialysis started		# of Surgical interventions since	4/20/2017	#	
AVF/AVG placed on	9/19/2016	Aspirin Yes/No	Smoking Yes/No		
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor			
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at	Home	
Dialysis method AVF/AVG or catheter or peritoneal	Alive Yes/No	Died Date	___/___/___		

Follow Up Form

A1 Testy	6/29/1940	# of Radiologic interventions since 3/27/2017	#	7/28/2015
Date dialysis started	4/16/2016	# of Surgical interventions since 3/27/2017	#	
AVF/AVG placed on	1/14/2015	Aspirin Yes/No	Smoking Yes/No	
Never used/ currently used/failed		Clopidogrel/Prasugrel/Ticlopidine/Ticagrelor		
If failed date failed	___/___/___	Warfarin/Dabigatran/Rivaroxaban	Patient lives at	Home
Dialysis method AVF/AVG or catheter or peritoneal		Alive Yes/No	Died Date	___/___/___

AV Fistula Follow-Up Process

- After receiving the primary follow-up forms, enter in VQI
- If a follow up has missing information look for it in our EHR
- If a patient has had a clinic visit or a procedure in the hospital in the last 3 months use this information to complete a follow up in VQI.
- If the primary follow-up forms have missing information - start a secondary follow-up form to send back to the dialysis unit
- If a follow up has missing information that the dialysis unit can not answer, start a secondary follow up form to send to the patient's Nephrologist

AV Fistula Follow-Up Process

- If a dialysis unit states “Not our patient” and patient has not started hemodialysis - start a list of to send to Nephrologists.
- If a dialysis unit states “Not our patient” but on hemodialysis - patient may have transferred to another unit. Check the surrounding units
- If a patient moves but did not tell the dialysis where they moved
 - Call all dialysis units or Nephrologist offices within a 60 mile radius to try and locate the patient.
 - Access their Medicare information and get an updated mailing address
 - Send a certified letter to the patient’s updated mailing address requesting an over-the-phone follow up.
- Check patient’s Medicare information to see if and when a patient expired.

Data person quotes

- I was able to go through 10 pages in 6 hours
- I still have to send the units and nephrologists more questions on some that weren't answered right or haven't started dialysis yet
- I was able to look at and either complete the follow up or know what the next step is to complete it for 60 patients in 6 hours.
- I'm spending roughly 6 minutes on each patient record.

Clean UP

- Use date of last contact to create list of those over >90 days
- Create separate list of those who have expired
- Call nephrologist of the delinquent units

Conclusion

- Must have a good database
 - VQI
 - Institutional
- Need to have some spreadsheet and database skills
- Maintain a good relationship with the dialysis units
 - They are critical for good follow up
- I'll reach 10,000 cases in about 2038

