



HARNESSING THE POWER OF DATA TO TRANSFORM CARE

HENDERSON HEALTH CARE

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Darcy Ost, RN, BSN, Performance Improvement, Education, Safety, and Risk



OBJECTIVES

- Identify challenges in improving clinical outcomes
- Define how to extract relevant and accurate data from different data sources
- Identify tools and strategies for improving clinical outcomes

HENDERSON, NEBRASKA



HENDERSON HEALTH CARE SERVICES



- 13 bed CAH
- 2 Rural Health Clinics
- 40 bed LTC
- 12 bed ALF



HENDERSON HEALTH CARE SERVICES

- Average daily census of 3.0
- Average 25 surgeries per month
- 55 ER visits per month
- 3 deliveries per month
- Average 900 clinic visits per month
- Average of 185 Specialty clinic visits per month





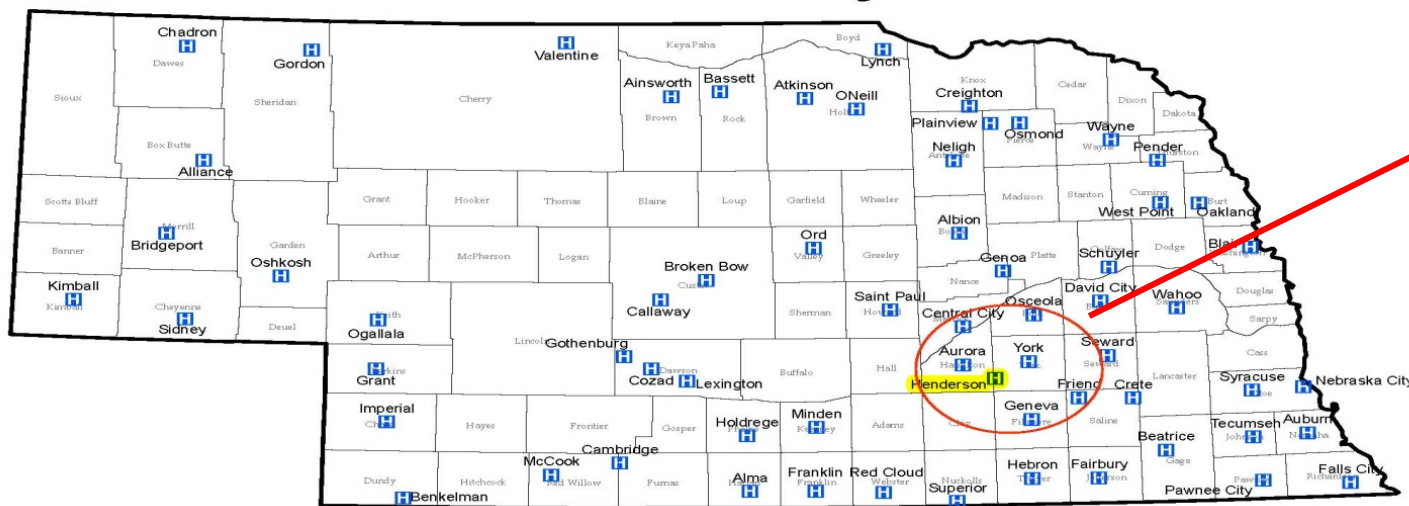
HENDERSON HEALTH CARE SERVICES

- Care Close To Home
 - Employ 2 MD's, and 3 PA's



- Specialty Clinics
 - Orthopedics
 - General Surgery
 - Cardiology
 - Pulmonology
 - Podiatry
 - Oncology
 - Neurosurgery
 - ENT
 - OB/GYN
 - Allergy/Asthma
 - Urology

Nebraska Critical Access Hospitals 64 as of February 2018

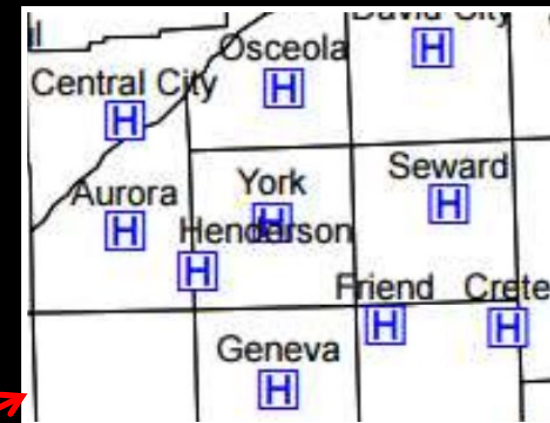


 Critical Access Hospital

Source: Health Professions Tracking Service
| Office of Community and Rural Health |
Acute Care Facilities Section
Date: February 2018
Location: K:\Rural Health Intern\Critical Access Hospitals\CAH 2018

0 25 50 100
Miles

Cartography: Andy Pedley | Community and Regional Planning Intern | DHHS
For: Thomas Rauner | Primary Care Office Director
thomas.rauner@nebraska.gov | 402-471-0148



OUR INITIAL CHALLENGES

- Lack of Integrated EHR
- Process of Data Collection





EHR IMPLEMENTATION

- Selected a universal platform within the organization
- Identified shortfalls



DATA ANALYTICS PARTNERSHIP

- Investment in Technology
- Customize reports

**WHAT FEELS
LIKE THE END IS
OFTEN THE
BEGINNING.**

your longer

CLINICAL IMPROVEMENT TEAM

- Defined roles and responsibilities; provide education
- Utilized team members strengths, knowledge, and resources





INITIAL QUALITY MEASURES/BENCHMARKS

- Physician Scorecards
- Poorly Controlled Diabetes ($A1c >9$)
- Overuse of Neuroimaging
- Osteoporosis Screening in Women
- Influenza vaccination
- Controlling Hypertension
- COPD Spirometry Evaluation
- Colorectal Cancer Screening

PROVIDER ENGAGEMENT



PROVIDER SCORECARDS

Diabetes ↓		Osteoporosis ↑		Influenza ↑		Hypertension ↑		COPD-Spirometry ↑		Breast Cancer ↑		Colon Cancer ↑	
Nov-17	Sep-19	Nov-17	Sep-19	Nov-17	Sep-19	Nov-17	Sep-19	Nov-17	Sep-19	Jun-18	Sep-19	Dec-17	Sep-19
19%	3%	38%	90%	38%	43%	55%	62%	53%	90%	64%	84%	21%	58%
14%	7%	31%	88%	42%	41%	90%	68%	36%	97%	45%	74%	24%	54%
29%	6%	50%	86%	28%	36%	43%	67%	50%	100%	38%	72%	30%	42%
7%	6%	28%	86%	41%	41%	83%	61%	26%	84%	42%	73%	20%	54%
na	0%	na	80%	na	na	na	54%	na	100%	na	61%	na	59%

GAP REPORTS AND ACTION PLANS

- Data overload
- Validate data
- Identified our missed opportunities/
Heightened our awareness of service
capture potential
- Created specific tasks lists
- Set goals and objectives

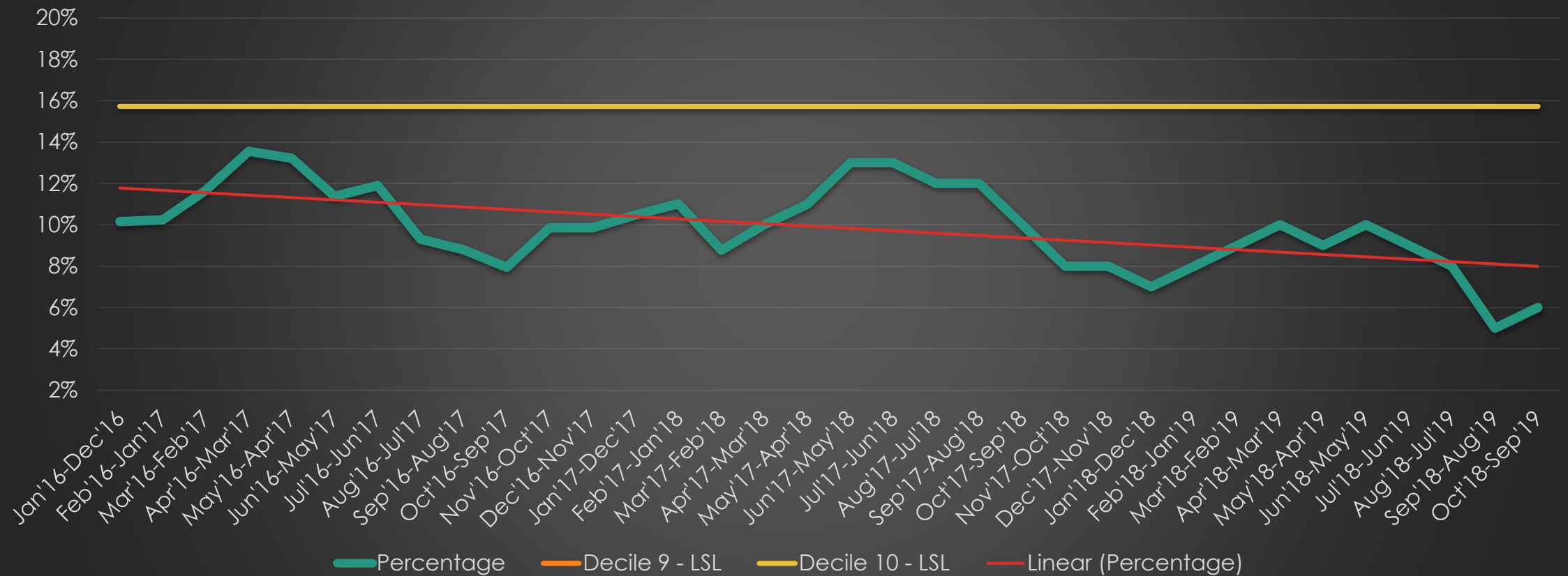


OUR RESULTS ARE IN...



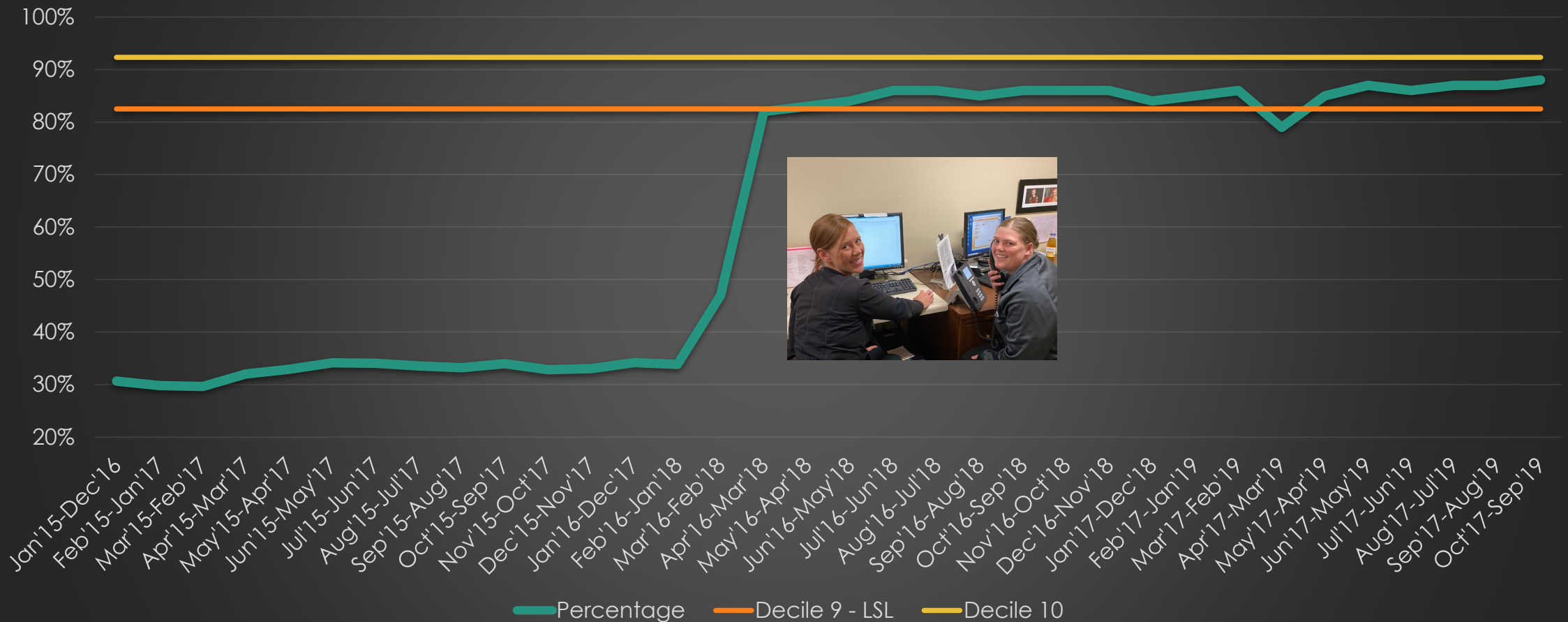
UNCONTROLLED DIABETES

Poorly Controlled Diabetics



OSTEOPOROSIS SCREENING FOR WOMEN

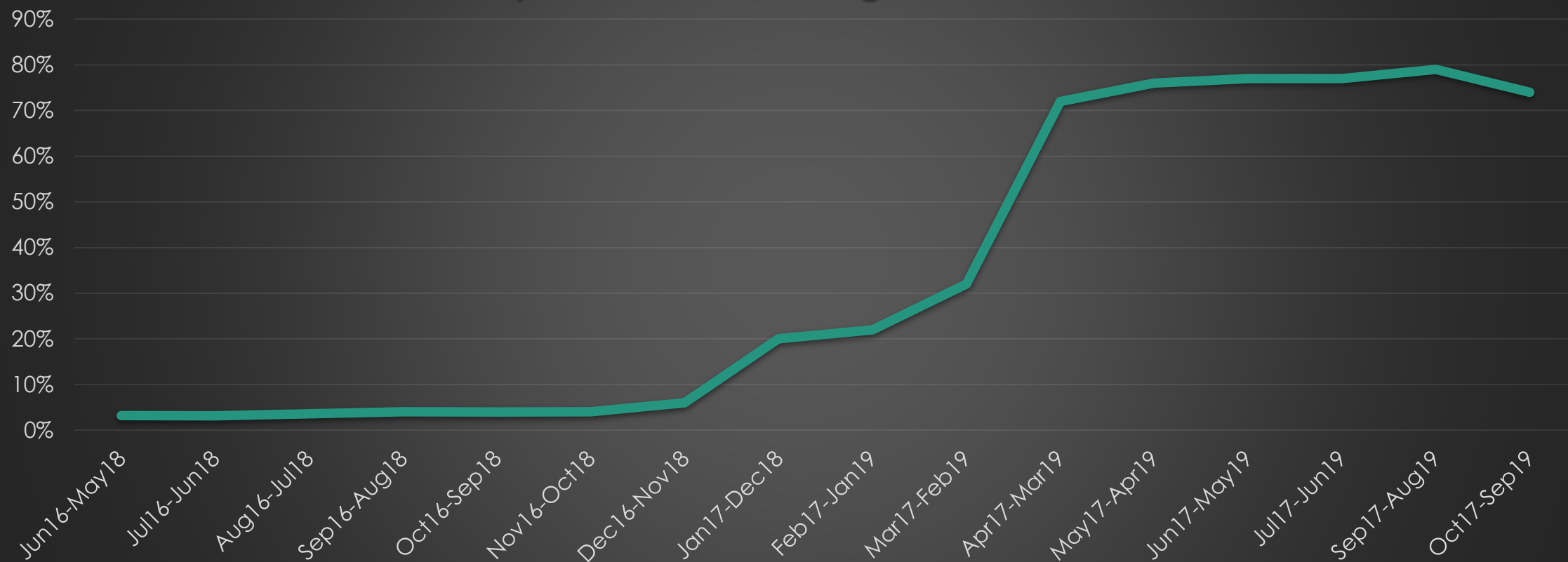
Osteoporosis Screening in Women



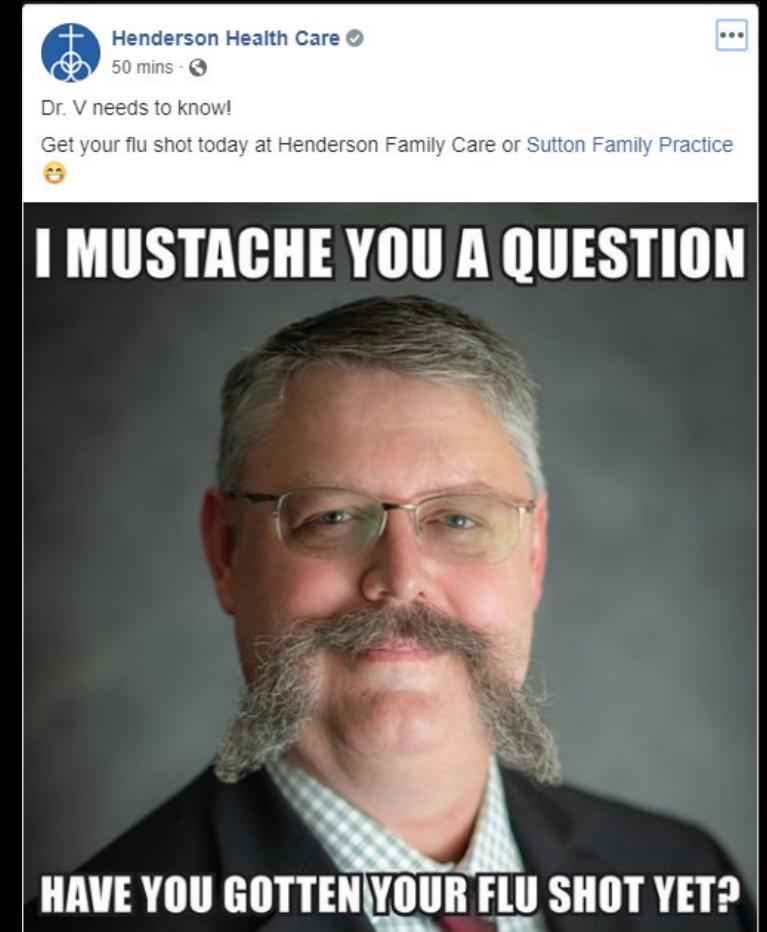
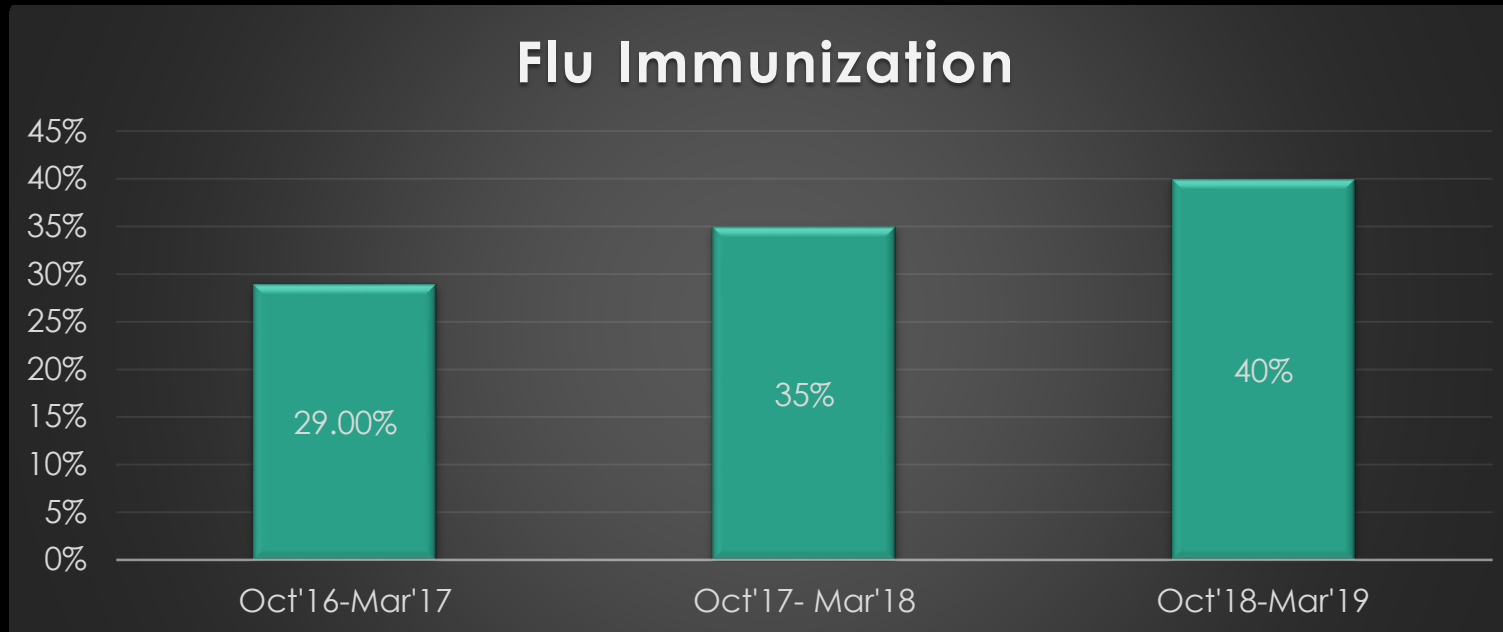


OSTEOPOROSIS SCREENING FOR MEN

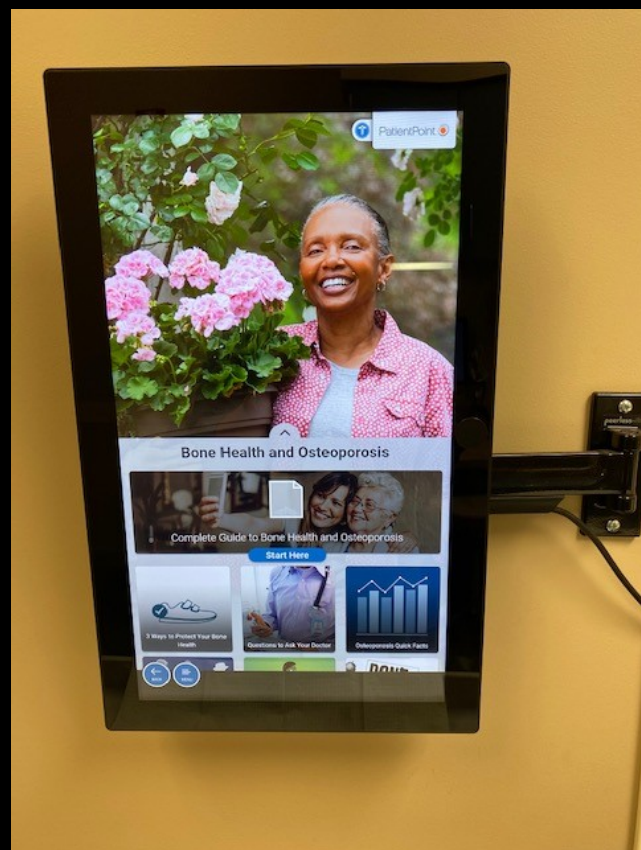
Osteoporosis Screening in Men



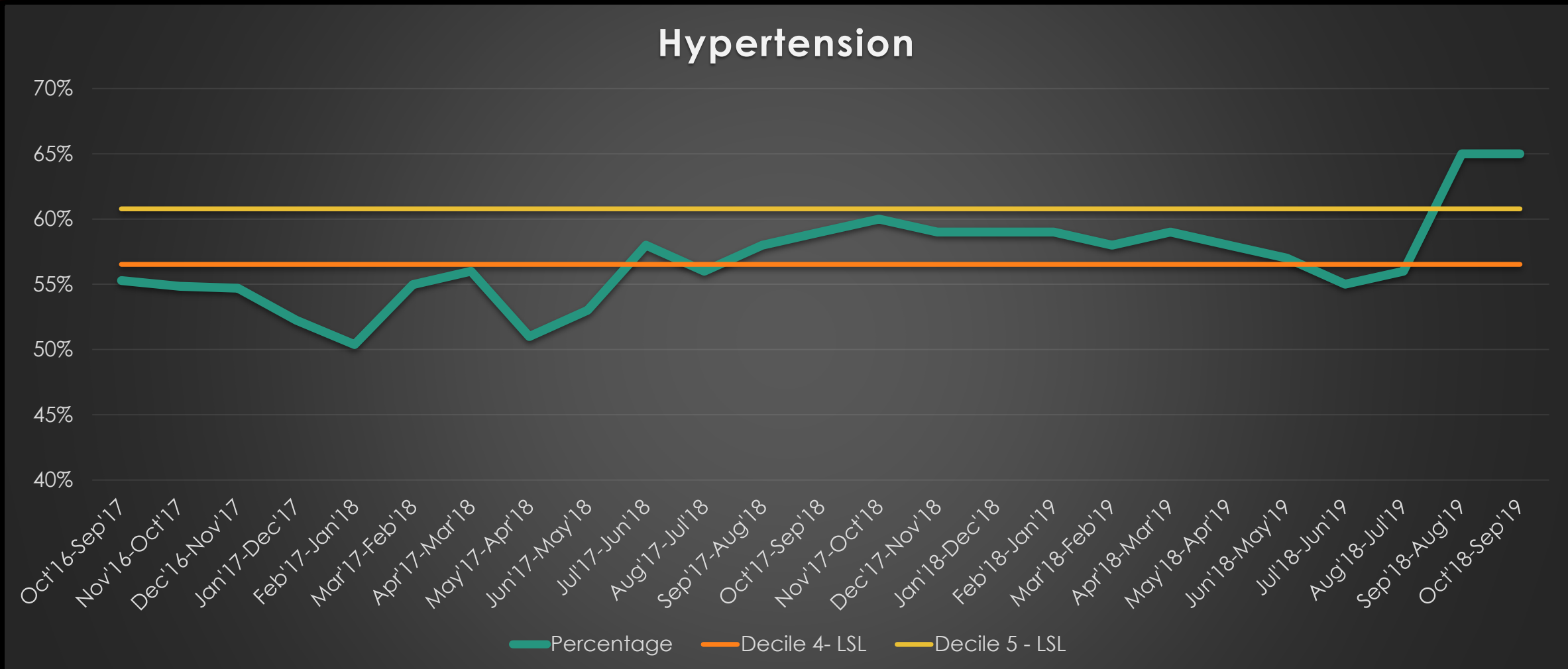
INFLUENZA VACCINATION



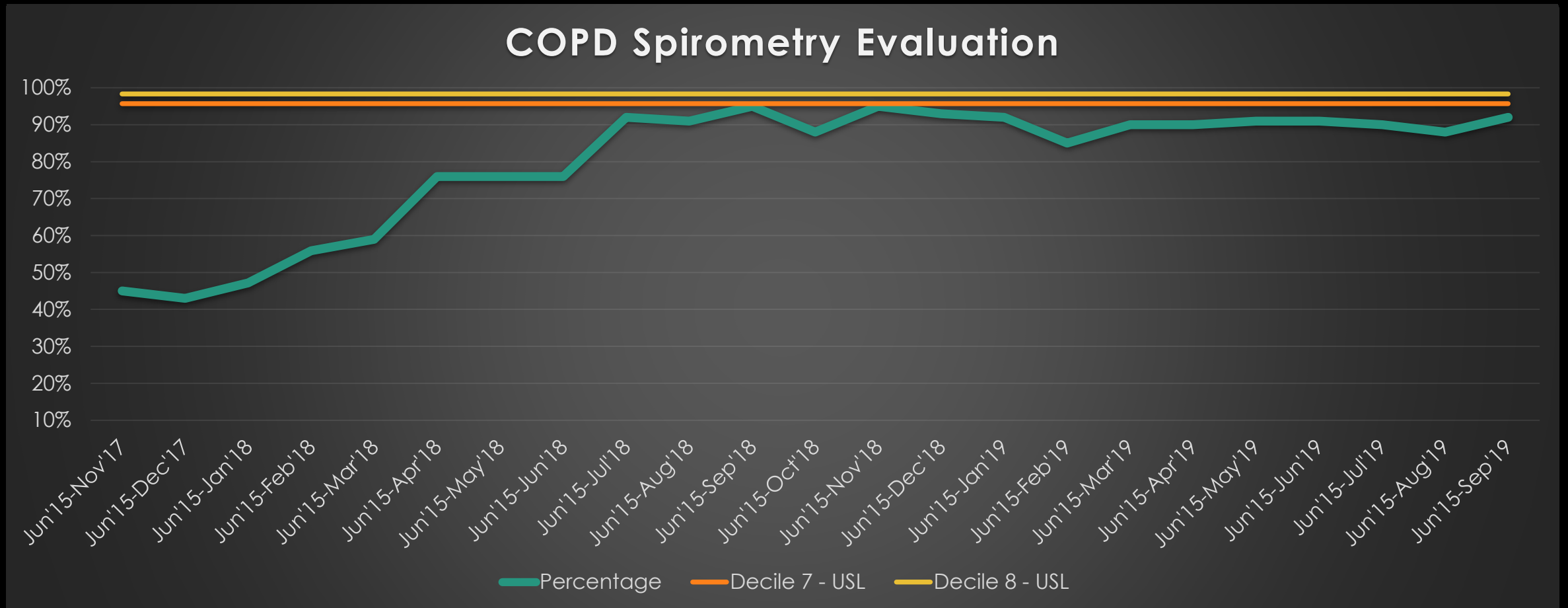
Name:		Date:	
Date of Birth:	AGE:	Insurance:	
Check Height:		Check smoking status each visit*****	
Immunizations due: **children- check NESIS***		Lab Needed:	
Prevnar (give 1 st) age 65+		Hemoglobin A1C(Q3 months/DM)	
Pneumovax (Give 1 full year after prevnar) age 65+		CMP/BMP(Q 6 months/DM/HTN/Diuretics)	
Shingrix –age 50+		PSA(yearly screening- age 50+)	
Influenza	Tdap	TSH	
Hep B		Free T4(Thyroxine)	
Hep A		Spot microalbumin/creat.-urine (yearly for DM)	
Gardasil		Lipid Panel(yearly: unless meds adjusted)	
Tests:		Vitamin D (prior auth if insured-not medicare0	
Mammo (yearly age 40-75)		Other lab:	
Dexa –W-(age 65 and up-Q 2 years) Men over 70		Other:	
HCM/Annual px: Male or Female		Prolia/Reclast orders	
Last Pap(females):		Medicare Wellness Exam: Welcome Initial Subsequent	
Eye Exam(DM-yearly)		Depression Assessment:	
Foot exam(DM- each time)		Fall Risk Assessment	
Low dose lung CT(age 55-77-30 pack history, no s/s, smoker or quit in last 15 years)		Mini-Mental Exam	
Colonoscopy or Cologuard(age 50-75)		Pain Contract Compliance Visit: Due for drug screen	
		Transition of Care Date:	
		Chronic Care Management Visit	
Other tests:		Notes	
PFT (if diagnosis of COPD or smoker)			
CXR (pre-op within 6 months of surgery as if indicated)			
EKG (pre-op if over 50- within 6 mon. of surgery)			



HYPERTENSION



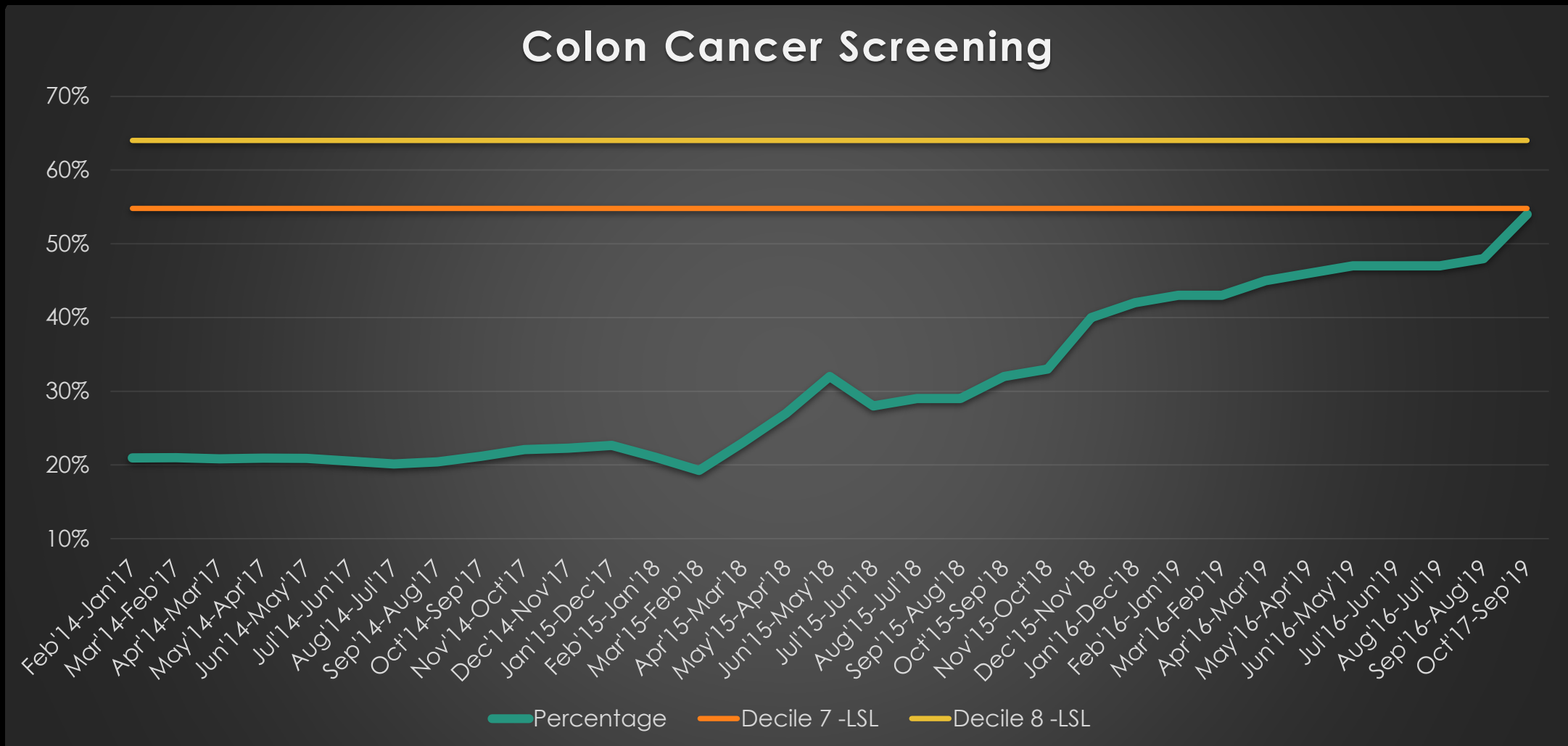
COPD-SPIROMETRY EVALUATION





DALE'S STORY

COLORECTAL CANCER SCREENING





BARNEY- THE MAILER CAUGHT HIS EYE!

GET YOUR REAR IN GEAR

Henderson Health Care
March 5 ·

Did you know? 🤔

Overall, the lifetime risk of developing colorectal cancer is: about 1 in 22 for men and 1 in 24 for women.

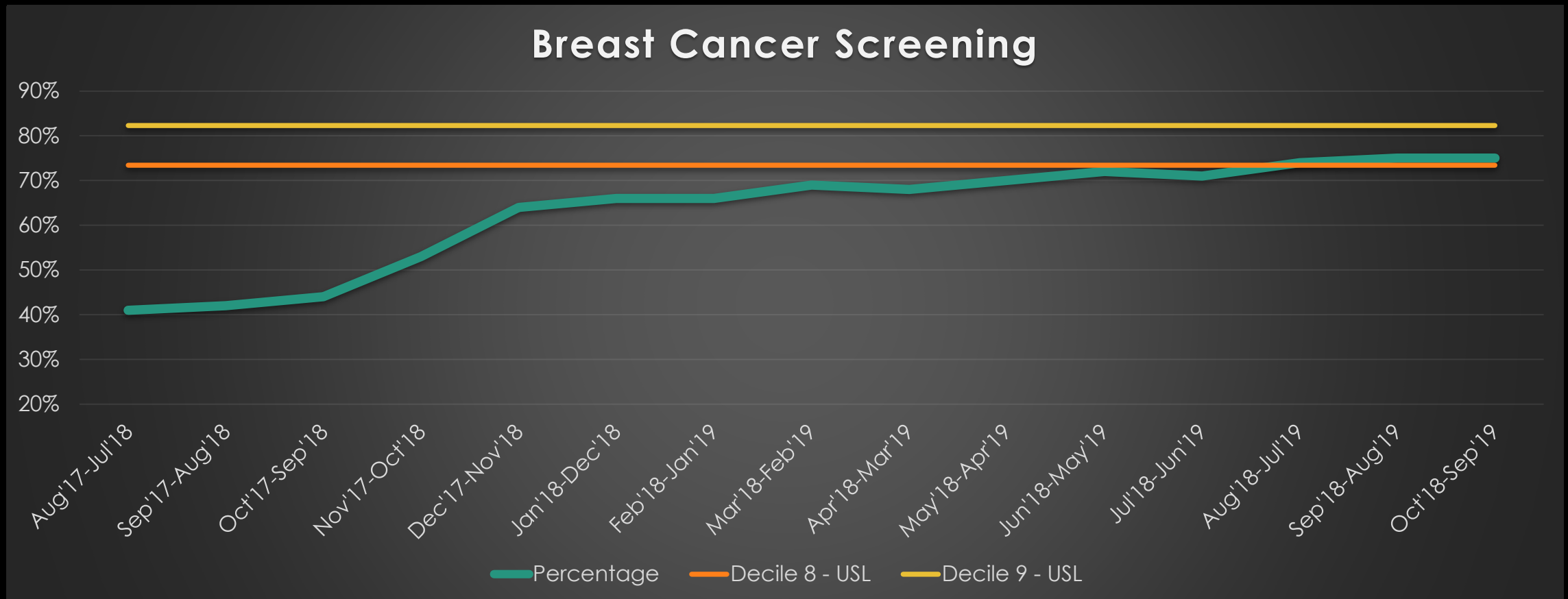
Don't be the one. Schedule your colonoscopy today for a chance to win a weekend getaway!

Call HHC at (402) 723-4512 or Sutton Family Practice at (402) 773-2130

COLORECTAL CANCER SCREENING



BREAST CANCER SCREENING




Henderson Health Care

We see in
3D

Schedule your 3D mammogram today! (402)723-4512

For the month of October, HHC is offering extended mammogram hours:
Monday: 7a-7p
Tuesday-Friday: 7a-5p



BREAST CANCER SCREENING



MAMMO MONDAYS
Every Monday in October

Mammograms offered until 7:30pm

Prizes! Register to win a gift basket!

Appointments times are limited.
Schedule your mammogram with our receptionist today!

Henderson Health Care

Henderson Health Care
October 1, 2018

It's October and we are celebrating Breast Cancer Awareness Month by offering mammograms until 7:30pm on Mondays! Schedule your screening today! It could save your life! <https://www.hendersonhealthcare.org/mammo-mondays/>



HENDERSONHEALTHCARE.ORG

Mammo Mondays in October | Henderson Health Care Services

Henderson Health Care
the pulse
At the heart of your health.

Fall 2018

3D Mammography is at Henderson Health Care
New technology offers more accurate results

Breast cancer affects 1 in 8 women in the United States, however the survival rate is 98% when the cancer is caught early and treatment is received. New digital 3D technology make earlier diagnosis and treatment possible.

In an effort to provide the best imaging, Henderson Health Care has installed Selenia Dimensions 3D Mammography™ with C-View™ software. This new technology produces clearer images with enhanced details which gives a more accurate view of the breast tissue.

Digital 3D Mammography has been proven to detect breast cancer sooner, provide more accurate results and reduce unnecessary callbacks.

Henderson Health Care employs two radiologic technologists who are certified in mammography. Corrine Friesen and Marilee Chervinka both received their mammography certification from The American Registry of Radiologic Technologists.

It is recommended women receive annual mammograms beginning at age 40. If you're at high risk, have a strong family history, or have had radiation treatment to the chest in the past, it's recommended you start having annual mammograms at a younger age (often around age 30).

Call Henderson Health Care at (402) 723-4512 to schedule your breast cancer screening with one of our Certified Mammography Technologists.



Corrine Friesen & Marilee Chervinka
Certified Mammography Technologists

Henderson Health Care has been named a **Pink Ribbon Facility** for excellence in breast health and providing exceptional support to the women in the Henderson area.

Do not wait to get your screening. The best protection is early detection.



LORI'S STORY

HEALTH PROMOTIONS/SCREENINGS

Henderson Health Care
HEALTH Fair
 Monday-Saturday
February 11-16, 2019
 7:00 - 8:30 a.m.
 at Sutton Family Practice & Henderson Health Care

TESTS AVAILABLE:

- Comprehensive Blood Test: \$40
- Prostate Specific Antigen: \$20
- Thyroid Stimulating Hormone Test: \$20
- Hemoglobin A1C: \$20

Register at the clinic front desk.
No appointment needed.
 You should be fasting prior to your blood draw, but are encouraged to drink plenty of water.

Mobile Screening Services by Bryan Health

Henderson Health Care - February 12
Sutton Family Practice - February 13

Abdominal Aortic Ultrasound Screening: \$40.00
 Peripheral Arterial Disease: \$20.00
 Atrial Fibrillation: \$10.00
 Carotid Artery Ultrasound Screening: \$40.00

Appointments are needed for this Bryan Health testing.
 Henderson - (402) 723-4512 • Sutton - (402) 773-2130

Henderson Health Care Sutton Family Practice

Henderson Health Care
RECOMMENDED SCREENINGS AND IMMUNIZATIONS FOR ADULTS

WOMEN		MEN	
AGE 21 (or when sexually active)	Physical Yearly Pap Smear Repeat every 3 years	AGE 21	Physical Yearly
AGE 40	Mammogram Yearly	AGE 50	Colonoscopy Repeat every 10 years
AGE 50	Colonoscopy Repeat every 10 years	AGE 70	Dexa Scan Repeat every 2 years
AGE 65	Dexa Scan Repeat every 2 years		

Recommended immunizations (women):
 Pneumonia • Shingles • Tetanus • Pertussis
 Hepatitis A • Influenza • Hepatitis B
Ask your provider or nurse if you are up-to-date

Recommended immunizations (men):
 Pneumonia • Shingles • Tetanus • Pertussis
 Hepatitis A • Influenza • Hepatitis B
Ask your provider or nurse if you are up-to-date

It is also recommended to have cholesterol and fasting blood sugar tested yearly.

It is also recommended to have cholesterol, fasting blood sugar and PSA tested yearly.

This is a general timeline. Individual needs may vary based on risk factors and/or family history. Discuss these with your provider.

Back By Popular Demand

TRAIN YOUR BRAIN
 for weight loss
 TWO OPTIONS THIS YEAR!

18 WEEK COURSE
 Classes every Monday
 January 14 through
 May 20, 2019
 Cost: \$99

or

TYB LIMITED
 Attend classes on Jan. 14th, Feb. 25th, April 15th, & May 20th
 (Great option for TYB veterans in need of accountability)
 Cost: \$50

Featuring **MARTY WOLFF**

RIGHTEST LIDER
 Season 3 Contestant

Classes will be held at 6 p.m.
 Final weigh-ins for both options on Tuesday, May 28th.

Each class includes a private weigh-in with the HHC Registered Dietitian

Henderson Health Care Sutton Family Practice
 Join us on January 14th to sign up.

Marty Wolff will speak at 6 p.m. Initial weights and measurements will be taken starting at 5:45 p.m. and continue after Marty's presentation. Classes will be held at Mennonite Brethren Church 1201 11th Street Henderson, NE

Questions? Contact Ashley Freeman, RD, LMNT at 402-723-4008 or afreeman@hendersonhealth.org

FINANCIAL IMPACT

DEXA SCAN

Year	Count	Revenue
2017	96	\$40,017
2018	163	\$70,559
2019	225	\$110,137

COLONOSCOPY

Year	Count	Revenue
2017	66	\$155,072
2018	72	\$166,171
2019	97	\$222,226

MAMMOGRAM

Year	Count	Revenue
2017	136	\$34,003
2018	319	\$93,116
2019	738	\$166,121



OUR LESSONS AND TAKEAWAYS

- Evaluate our data resource tool
- Determine our baselines so we can measure improvement
- Set goals and develop action plans
- Educate ourselves and team members
- Be creative, capitalize on each team member's strength, knowledge, and resources
- Embrace change
- Celebrate and promote our success

BOTTOM LINE ... WE ARE SAVING LIVES!



QUESTIONS?

Darcy Ost

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Cheryl Brown

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