

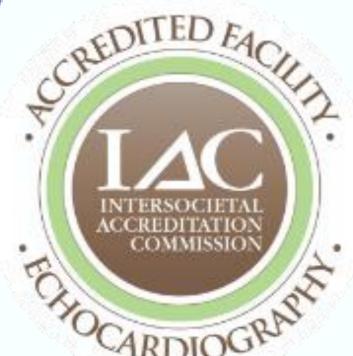
UNITED DIAGNOSTIC SERVICES LLC Saving Lives Through Prevention

- Founded in 2001
- Nationally accredited Company and Staff
- Manage and Operate Hospital Networks, Primary Care and Multi-Specialty Clinics
- Started Diagnostic Health Program for First Responders in 2017



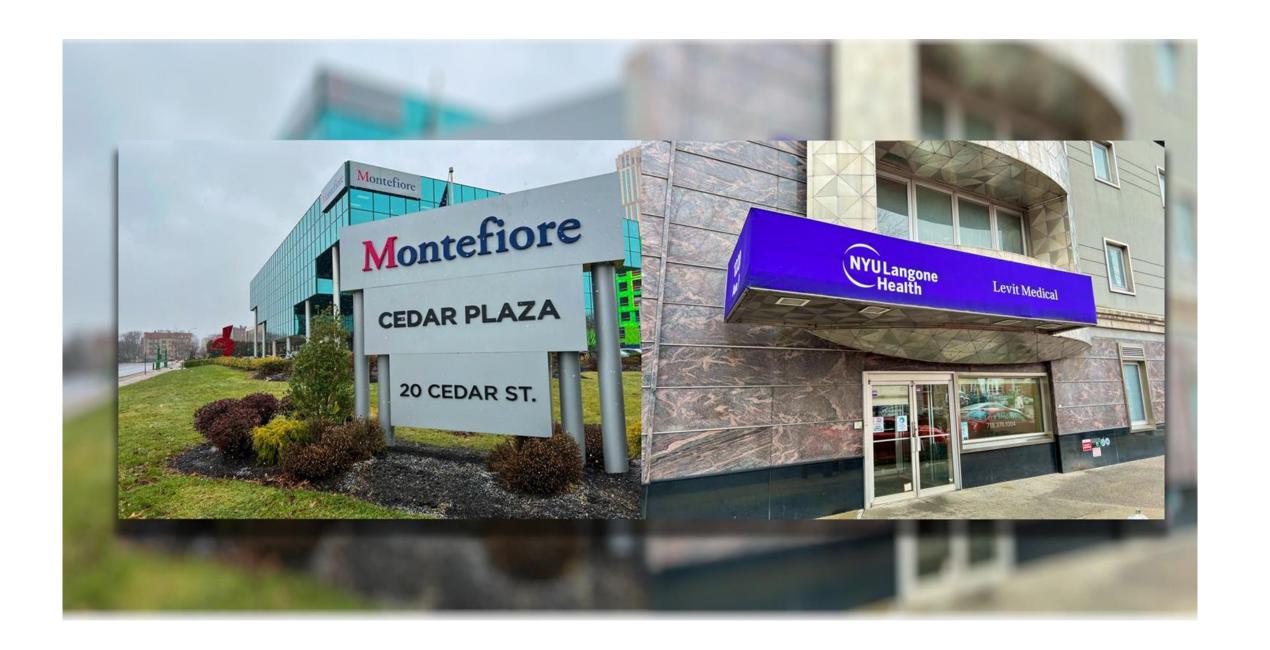
Our Accreditations













An American flag flies over the rubble of the World Trade Center in New York after the Sept. 11 attacks. Beth A. Keiser / AP

Revolutionizing Early Detection Health Screening ...

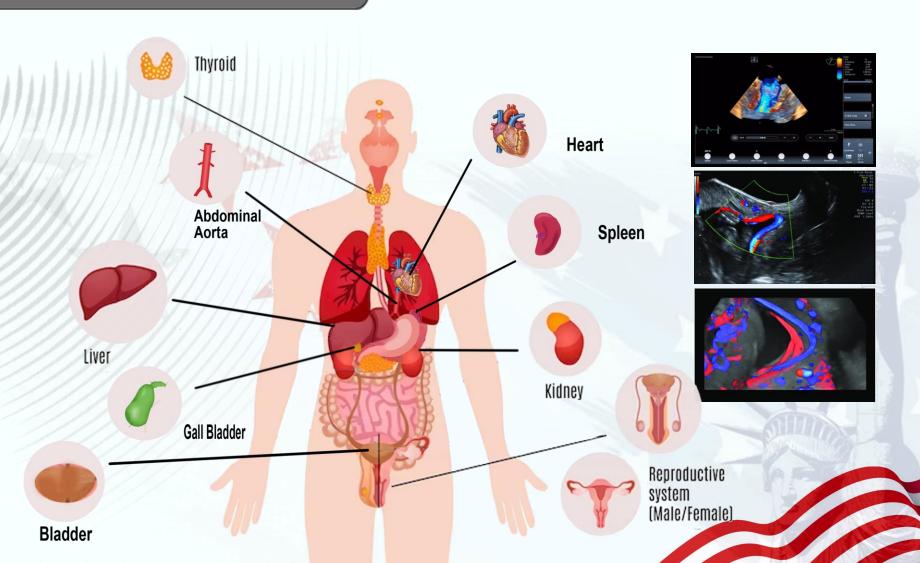


9 organs and body parts in a 30 min scan to provide quality and detecting Actionable Pathologies and Abnormalities!

Tests include...

- Echocardiogram
- Carotid Doppler
- Abdominal Aorta
- Thyroid
- Liver
- Gall Bladder
- Spleen
- Bladder
- Kidney
- Testicular

Exterior Pelvic Scan for Females







Ultrasound

- Works via high-frequency sound waves
- ❖ No radiation
- ❖ Non-invasive
- Real-time body images
- Portable







We deploy comprehensive diagnostic health programs to detect:

Actionable pathologies

Cardiovascular disease

Occupational cancer

These tests are deployed by registered UDS professionals that are specifically designed for early diagnosis and treatment.



UDS On-Site Set Up









A Deep Network Of Partners

































Increased Risk in Cancers and Cardiovascular Disease

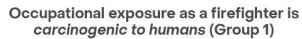
Firefighter Cancer-Troubling Stats

- 14 % higher risk of dying from than U.S. adult population
- BFD even higher:
- ➤ New cancer case every 3 weeks
- ➤ 20 Boston firefighters last year
- > 3 recent deaths from
- Several more with advanced disease:





IARC MONOGRAPHS VOL. 132: OCCUPATIONAL EXPOSURE AS A FIREFIGHTER



on the basis of

sufficient evidence for cancer in humans







GROUP 3

The IARC Monographs classification indicates the level of certainty that an agent can cause cancer (hazard identification)

Higher level of certainty

Lower level of certainty

Cancer types with sufficient evidence for cancer in humans:





Mesothelioma Bladder cancer

Cancer types with limited evidence for cancer in humans:













Testicular cancer

Melanoma of the skin

Non-Hodgkin lymphoma

Strong mechanistic evidence in exposed firefighters



Genotoxicity











Epigenetic alterations

stress

Chronic inflammation

receptor-mediated effects



Exposures of firefighters include combustion products, diesel exhaust, building materials, asbestos, chemicals, shift work, ultraviolet radiation



Firefighters respond to various types of fire







Structure

Wildland

Vehicle



IAFF and American Cancer Society









Body Weight & Cancer Risk

In the United States, the percentage of overweight and obese adults and children has soared over the past several decades. Studies show that with that increased weight comes an increased risk of developing certain types of cancers.

EXCESS BODY WEIGHT, POOR NUTRITION, PHYSICAL INACTIVITY, AND EXCESS ALCOHOL CONSUMPTION















Examining the Relationship Between Obesity and Cancer Risk

Obesity, Diabetes, and Cancer

- Global rise in obesity and type 2 diabetes.
- Linked to liver, pancreatic, and esophageal cancers.



Women: 62% higher death risk.

Heart disease and stroke

Type 2 diabetes

High blood pressure

High cholesterol levels

Liver and gallbladder disease

American Cancer Society

- Second largest risk factor after smoking.
- 12-13% of all cancer cases globally.
- Links to 13 types of cancer.

Mechanisms Linking Obesity to Cancer

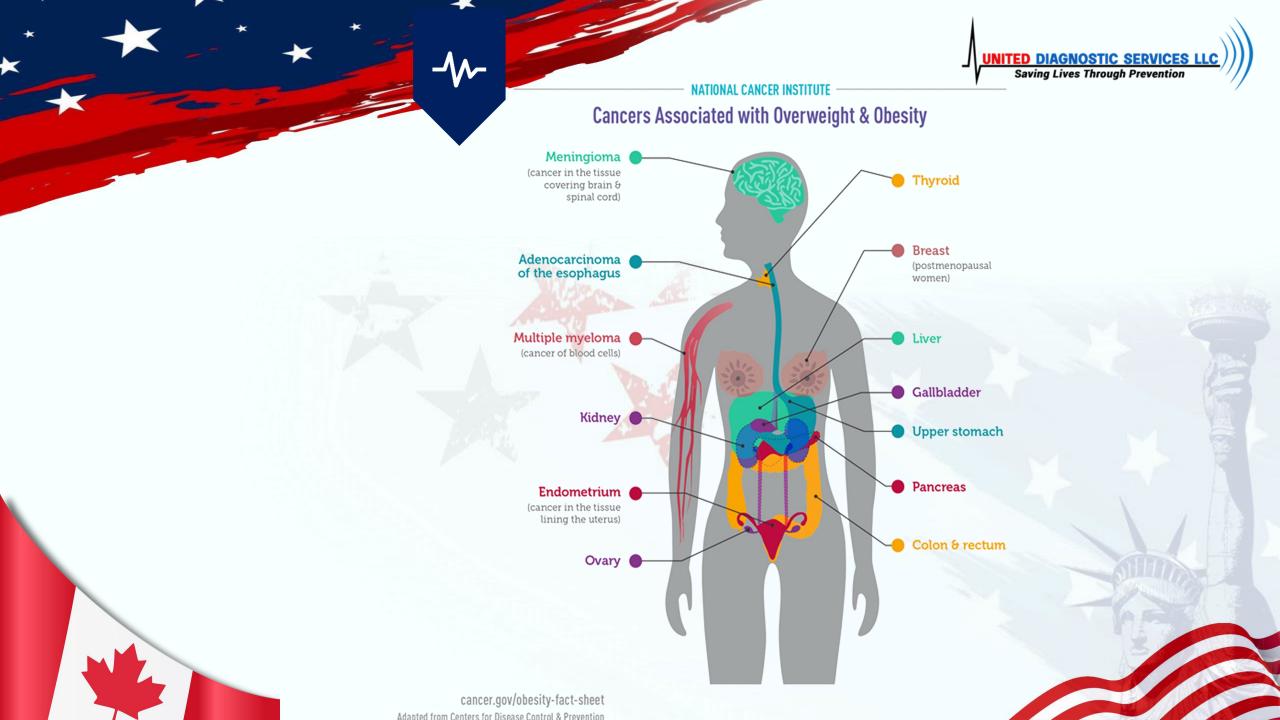
Inflammation and Insulin Resistance:

Chronic inflammation induces cells to become cancerous.

Hormonal Changes: Changes in estrogen levels.

Immune Surveillance: Impaired ability to detect and destroy

cancer cells.





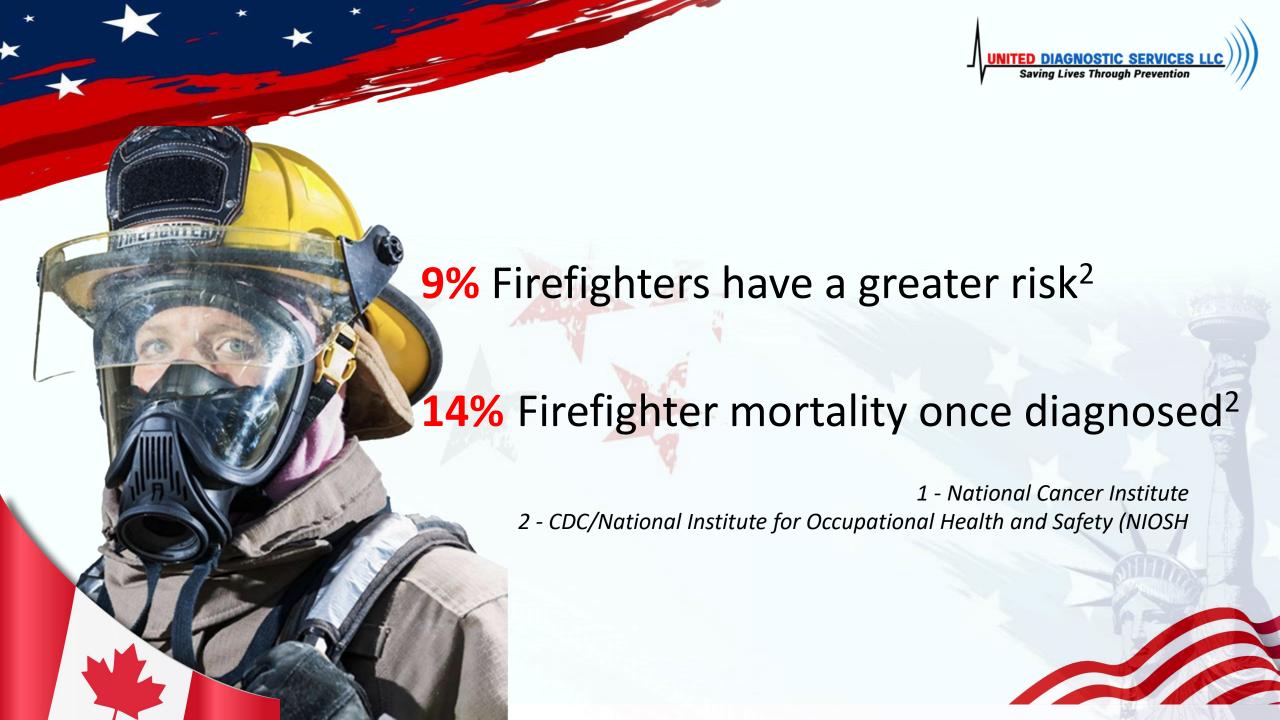
OCCUPATIONAL HEALTH RISK

- Combustion of flame retardants
- Smoldering plastics and synthetics
- Diesel exhaust fumes and particles
- Overnight shifts (Disrupt circadian rhythm)
- Excess weight and obesity
- Cumulative stresses

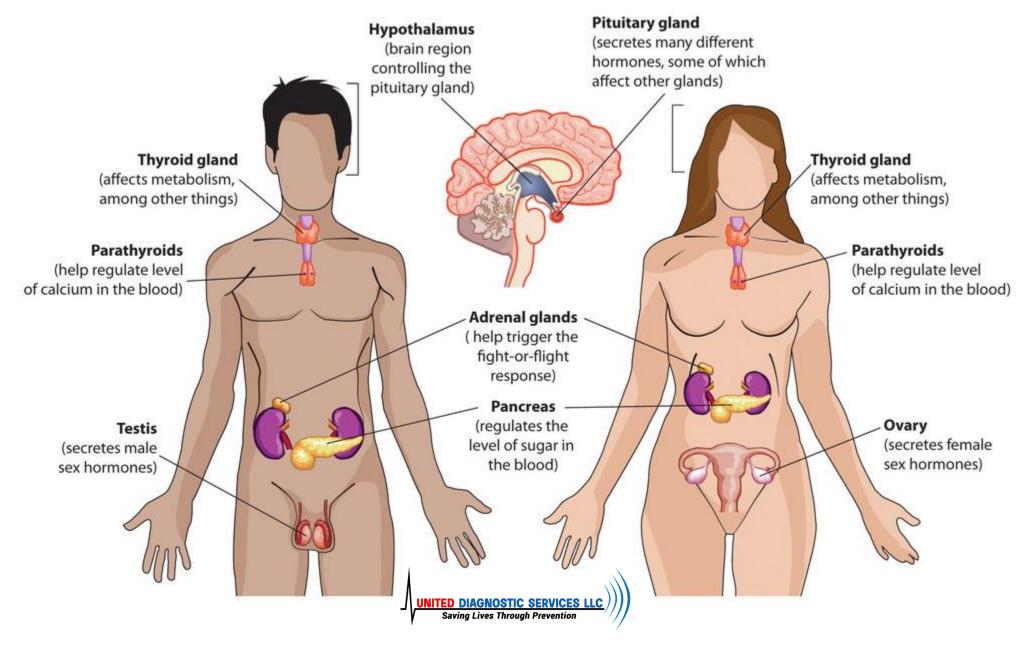
PFAS (polyfluoroalkyl substances):

- In FF foam
- In FF gear

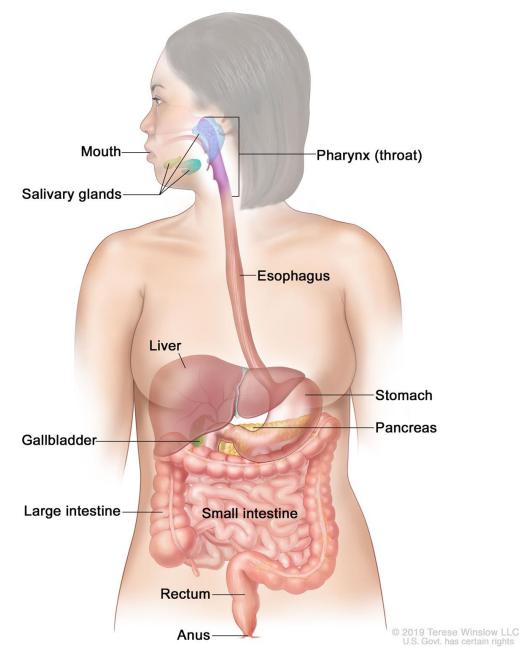




ENDOCRINE SYSTEM

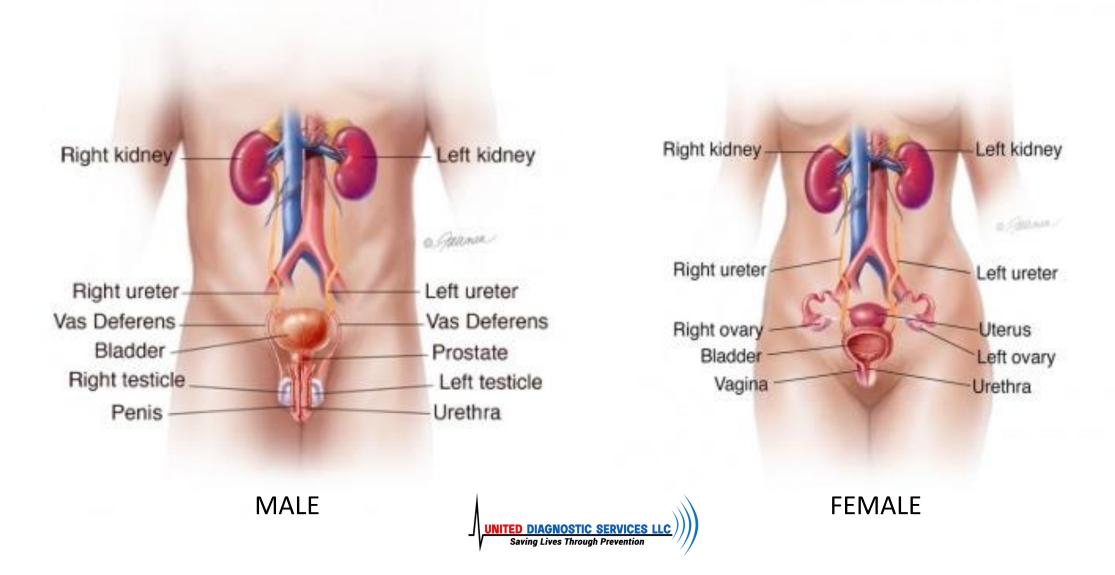


GASTROINTESTINAL SYSTEM





Genitourinary Tract



Comprehensive Program

-/~-

Tests include...

- Echocardiogram
- Carotid Doppler
- Abdominal Aorta
- Thyroid
- Liver
- Gall Bladder
- Spleen
- Bladder
- Kidney
- Testicular
- Exterior Pelvic Scan for Females



Revolutionizing Early Detection Health Screening ...

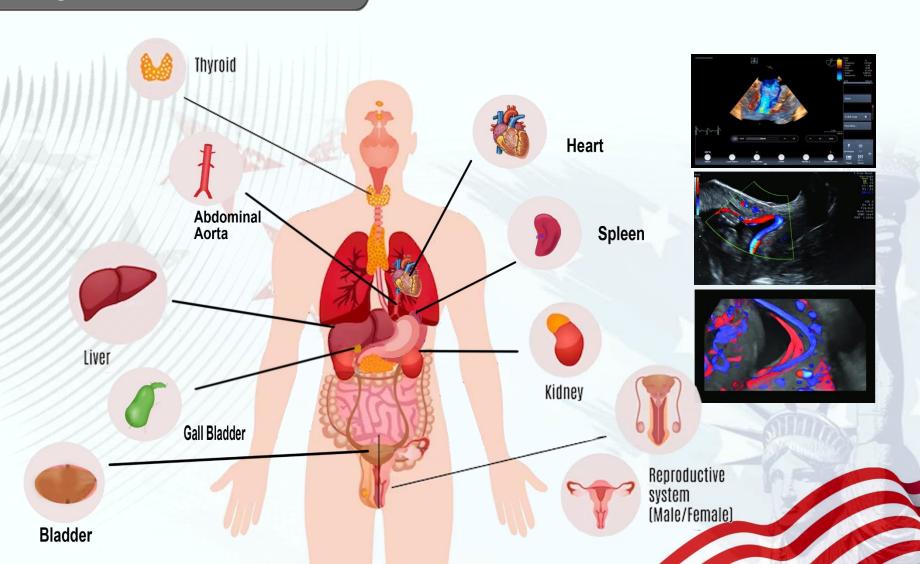


9 organs and body parts in a 30 min scan.

Detecting Actionable Pathologies, Cardiovascular, Cancer.

Tests include...

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- Exterior Pelvic Scan for Females



Cancers Detected through UDS Screenings 2023





Anchorage, AK | Local 1264 - Bladder & Thyroid Cancer



Marysville, WA | Local 3219 - Thyroid Cancer Bellevue, WA | Local 1604 - Thyroid Cancer



Newport, KY | Local 45 - Thyroid Cancer



Carmel, IN | Local 4444 - Thyroid Cancer



Attleboro, MA | Local 848 - Thyroid Cancer

Bridgewater, MA | Fire Dept – 1 Testicular Cancer

Holbrook, MA | Local 1452 - Testicular Cancer

Weymouth, MA | Local 1616 - Thyroid Cancer

Concord, MA | Local 1942 - Kidney Cancer



Montgomery County, MD | Local 1664 - 3 Thyroid Cancers



Schenectady, NY | Local 28 - Thyroid Cancer

NYSPFFA - Thyroid Cancer

NYSPFFA - Bladder Cancer

30+

Cancer Detections among Firefighters (2023)



Skyland Fire, NC | Prostate Cancer

Buncombe County, NC | Thyroid Cancer



Utah | PFFU Convention - Bladder Cancer



Providence, RI | Local 799 – 2 Thyroid Cancers



Fairfax County, VA | Local 2068 - Colon & 2 Thyroid Cancers

Virginia Beach, VA | Local 2924 - Thyroid Cancer

Manassas, VA | Local 4466 - Thyroid Cancer



Waterbury, CT | Local 1339 - 3 Thyroid Cancers

Jeff Stahl

- Member of Local 45 Newport, KY
- Screened November 2023
- Papillary Carcinoma





Joe Bogdanski

- Waterbury, CT Local 1339
- Thyroid Cancer





Troy Kelsheimer

- Carmel Indiana Fire Department
- Screened March 2023
- Papillary Thyroid Cancer





Jason Centofanti

- Philadelphia, Local 22
- Thyroid Cancer



UNITED DIAGNOSTIC SERVICES LLC
Saving Lives Through Prevention



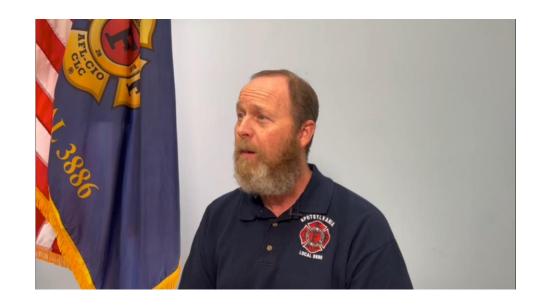
Barry Maham

- Fairfax County, Local 2068
- Colon Cancer



Matthew Embrey

- Member of Local 3886 Spotsylvania, VA
- Screened July 2022
- Kidney Cancer



James Brown

- Member of Local 1768 Plymouth, MA
- Screened November 2022
- Testicular Cancer

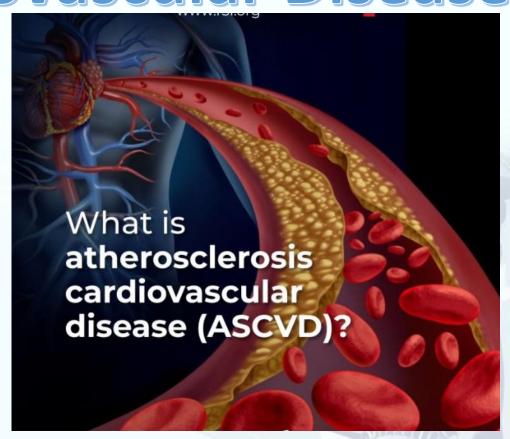




Atherosclerotic Cardiovascular Disease

Concern**: Leading cause of death globally Daily Toll in the U.S.**: 2,300 lives





AORTIC DISEASEConditions that affect the aorta



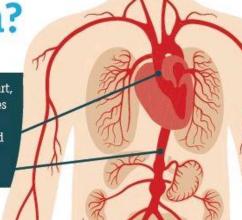
What is your aorta?

- > The body's main, largest blood vessel
- It carries oxygen-rich blood from the heart to the body



Problems with the aorta can be deadly. It's important to find, follow, and treat them early.

From the heart, the aorta goes up through the chest and down to the abdomen.



Common conditions

Aortic aneurysm

A balloon-like bulge or swelling of the aorta. For example, it can happen in your:

- → chest (thoracic aneurysm)
- → lower torso (abdominal aneurysm)

Without treatment, layers of the aorta can tear (dissect) or rupture







Aneurysm

Aortic valve disease

The valve that controls blood flow out of the heart to the body isn't working well.

- Aortic occlusive disease Blood flow through the aorta is blocked.
- Aortitis
 Inflammation of the aorta.

Know the risk factors



Older age



High blood pressure



Family history



Diabetes



High cholesterol, plaque buildup in the arteries



Genetic disorders or connective tissue diseases (Marfans, Ehlers Danlos and others)



A heart defect you're born with (bicuspid aortic valve)







67129

Total Actionable Findings



9%



of Actionable Findings are "High-Risk" (577 High-Risk Findings)



2%



of High-Risk Findings were Cancer

(9 Cancers Detected)

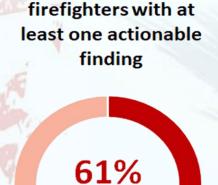


Gender not specified for 14 participants

86% (5741 males)

14% (968 females)

Includes all screenings from 2022 through January 2023



(4087 out of 6723

firefighters)

Percentage of



Summary of Actionable Findings





⚠ **577** High-Risk Findings

High-Risk Finding	Total #
General Organs	434
Prostate – Heterogeneous and Enlarged	254
Testicles - Calcification/Microlithiasis	114
Thyroid - Nodules - Solid >1cm High Risk	55
Urinary Bladder – Abnormal Mass	5
Kidney – Abnormal Mass Growth	3
Urinary Bladder – Urinary Nodule	2
Pelvic - Heterogeneous Mass	1
Cardiovascular	143
Cardiac - Aortic Root Dilated	43
Cardiac - Moderate LVH	38
Cardiac - Moderate Mitral Regurgitation	24
Aorta - Dilated	12
Cardiac - Moderate-Severe Aortic Insufficiency	8
Cardiac - Low EF	6
Cardiac - Calcified Valve-Stenosis	6
Cardiac - Moderate Tricupid Regurg	4
Cardiac - Severe Mitral Valve Regurgitation	1
Cardiac - Moderate Pulm Regurg	1

6712 Total Actionable Findings

Liver	2367 Total Findings
Fatty and Enlarged	1810
Fatty	485
Hemangioma	27
Cyst	28
Fatty, Enlarged w/ Mass	10
Mass	3
Enlarged	1
III-Defined Mass	1
Hypoechoic Region	1
Complex Cystic Mass	1

National Report | 2022-23 Screenings **6723 Total Participants**

5741 7 968

Thyroid	1056 Total Findings	
Enlarged Heterogeneous/Bulky	384	
Nodules	352	
Nodules - Solid <1 cm	58	
Nodules - Solid >1cm High Risk	55	
Nodules - Complex	54	
Nodules - Cystic	43	
Cyst	26	
Nodules - <1cm	21	
Multiple Cystic Nodules	10	
Non-Identifiable Tissue	9	
Increased Vascularity	9	
Heterogeneous III-Defined	8	
Multiple Cystic Nodules	0	
Heterogeneous and Small Size	7	
Nodules - Solid	7	
Smaller in size	4	
Nodules - Bilateral	3	
Irregular Shape	3	
Heterogeneous and Atrophic in Size	2	
Enlarged Lymph Node	1	

TESTIMONIAL

Don Crumb

- Member of Local 2068 Fairfax County, VA
- Screened June 2021
- AAA
- Returned to full duty April 2022





TESTIMONIAL

Jeff Schnebelen

- Member of Local 2598 Prince William County, VA
- Screened 2021
- Aortic Aneurysm
- Retired



International Association of Fire Fighters



Frank V. Líma General Secretary-Treasurer



International Association of Fire Fighters

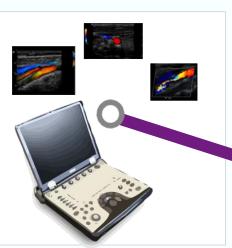


Edward A. Kelly General President





STREAM-LINE WORKFLOW OF RESULTS TURNAROUND TIME





Results emailed to member HIPAA compliant service







4 Days









Saving Lives Through Prevention



33 % 4.2 cm

(14 - 22) (2.5 - 4)

Page 1 of 1



Transthoracic Echocardiogram Study Report

Weight: 275 lbs BSA: 2.59 m²

Study Time: Reading Group: Dr. Saddad Toor Sonographer: Location:

Equipment:

10:05 AM Referring Group: United Diagnostic Services Olga Storozhuk

34.55 Study Quality: Excellent

118/78 mmHa

75 in

Left Ventricle EF (Teich) I VIDd 6.2 cm 2.40 cm/m² (4.2 - 5.8) (2.2 - 3.1) LVFS (midwall) LVIDd / BSA LVIDs

Findings:

MRN:

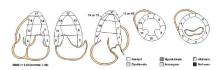
DOB:

BP:

BMI:

Gender: Height:

- 1. Left ventricle cavity is dilated. Normal global wall motion
- 2. Left atrial cavity is normal in size.
- 3. Right atrial cavity is normal in size.
- 4. Right ventricle cavity is normal in size. Normal right ventricular function.
- 5. Structurally normal trileaflet aortic valve with no regurgitation.
- 6. Structurally normal mitral valve with no regurgitation.
- 7. Structurally normal tricuspid valve with no regurgitation.
- 8. Structurally normal pulmonic valve with no regurgitation.
- 9. No evidence of significant pericardial effusion.
- 10. The aortic root is normal.



Conclusions:

Left ventricle cavity is dilated. Normal global wall motion. Calculated EF 61%.

Local Total

Z60

SCREENING EXAMS ARE PERFORMED TO DETERMINE THE ABSENCE OR PRESENCE OF DISEASE ON PARTICIPANTS THAT HAVE NO SPECIFIC SIGN OF DISEASE. THESE ARE NOT INTENDED TO REPLACE A COMPLETE DIAGNOSTIC EXAM AND ARE NOT INTENDED TO BE A SUBSTITUTE FOR PROFESSIONAL MEDICAL ADVICE. ALWAYS CONSULT YOUR DOCTOR WITH ANY QUESTIONS YOU MAY HAVE REGARDING YOUR HEALTH OR MEDICAL CONDITION. THE RESULTS OF THE SCREENING EXAM CAN BE AFFECTED BY A NUMBER OF FACTORS THEREBY LIMITING THEIR ACCURACY. IT IS IMPORTANT THAT YOU GIVE ALL TEST RESULTS TO YOUR PHYSICIAN FOR THEIR REVIEW, AS IT MAY BE NECESSARY FOR YOU TO HAVE A COMPLETE DIAGNOSTIC TEST PERFORMED AND AN EVALUATION WITH A CARDIOLOGIST.

Saddad Toor Electronically Signed on Studycast July 05, 2023 07:04 PM EDT

DAVID PLUMMER - July 03, 2023 Studycast - www.corestudycast.com









Screening Study Report

TT01051962 MRN: DOB: Gender: M Height: 75 in

28.28

Weight: 225 lbs BSA: 2.33 m² 132/62 mmHa

Study Time: Sonographer: Location: Equipment:

07:31 AM Reading Group: Dr Daniel Beyda Referring Group: United Diagnostic Services Olga Storozhuk

Z60

Study Quality: Excellent

Carotid

BMI:

Right and left common and internal carotid arteries appear normal. No plague or elevated velocity is identified.

Thyroid

Thyroid gland appears normal. No nodule or abnormal calcification is identified.

Abdomen

The abdominal agrta measures <3cm. AAA was not identified on this examination. Increased echogenicity in the liver parenchyma is noted.

The gallbladder is normal.

Right and left kidneys are within normal limits.

Multiple subcentimeter calcifications in the spleen are noted.

Right and left testicles appear normal. No testicle mass is identified.

Bladder

Bladder appears within normal limits.

Conclusions:

Fatty infiltration of the liver parenchyma.

July 05, 2023 05:52 AM EDT Daniel Beyda Electronically Signed on Studycast

Multiple subcentimeter calcifications in the spleen are noted which may represent granulomata.

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THOMAS TOOLEY - June 30, 2023 Studycast - www.corestudycast.com

Fact: Cancer is the leading cause of death among firefighters

#1

Cancer was responsible for 61% of line-of-duty deaths since 2002 and 70% of line-of-duty deaths in 2016



Heart disease was the root cause of **18%** of line-of-duty deaths between 2002-2016



Firefighters are at greater risk

for developing certain cancers compared to the general population



UNITED DIAGNOSTIC SERVICES LLC
Saving Lives Through Prevention

1971: National War on Cancer declared by Richard Nixon**

Goal: Cure cancer within five years

Reality: Cancer remains undefeated despite significant funding and research effort





Cancer Today:

- 1. Cancer as a leading cause of death:**
- 2. Second leading cause of death in the United States
- 3. Together with heart disease, it accounts for nearly half of all U.S. deaths.
- 4. **Progress:**
- 5. Some success in increasing survival rates for specific cancers (e.g., leukemia, Hodgkin's and non-Hodgkin's lymphomas)
- 6. However, overall progress in the "war" remains limited



Early Detection is a Key Weapon Against Cancer

Revolutionizing Early Detection Health Screening ...

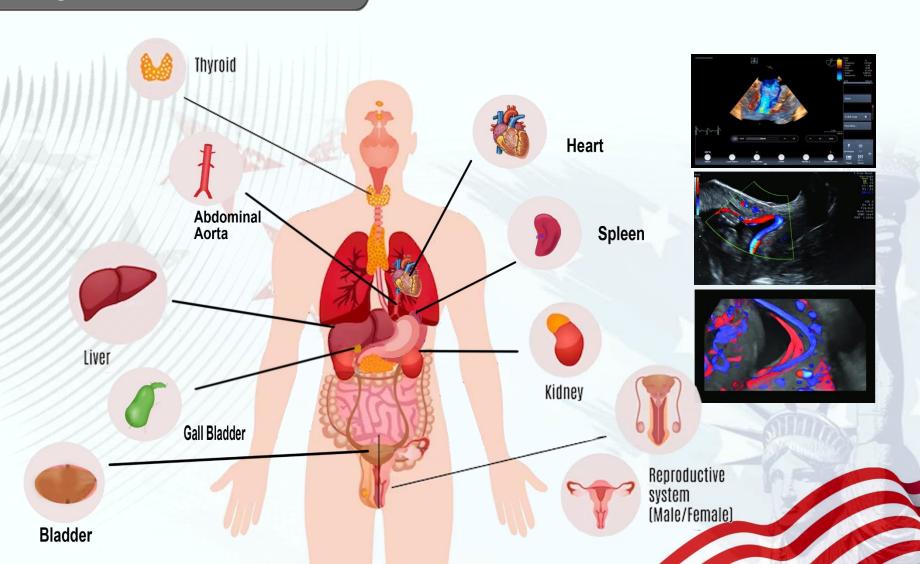


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Detecting Actionable Pathologies, Cardiovascular, Cancer.

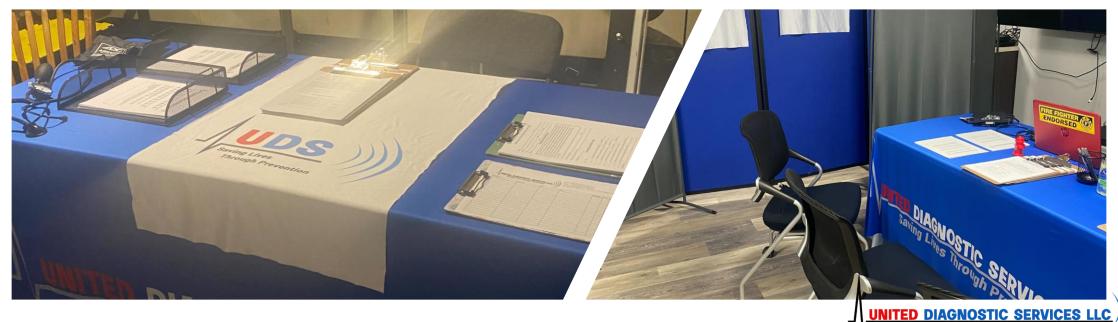
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UDS On-Site Set Up





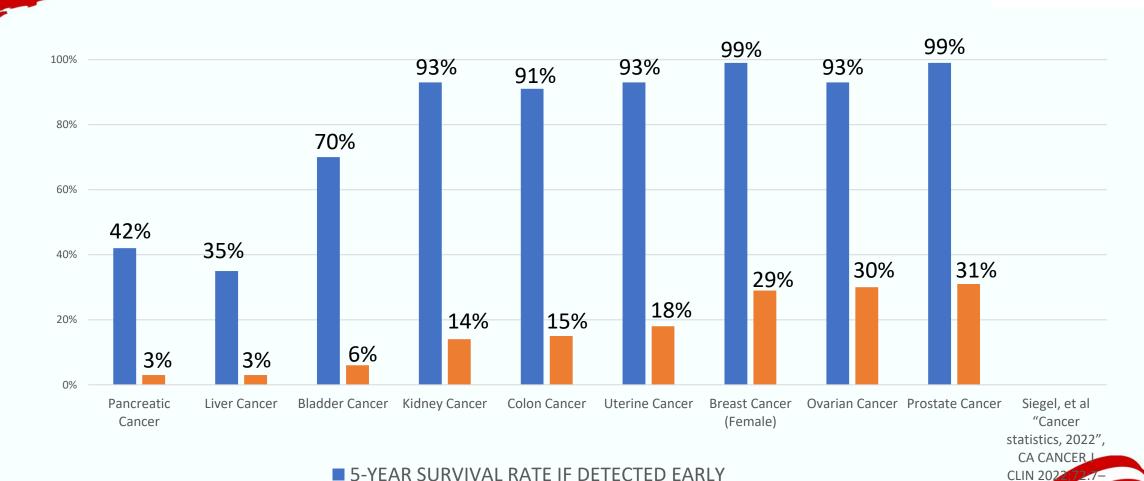
Saving Lives Through Prevention











■ 5-YEAR SURVIVAL RATE IF DETECTED LATE



Screening rates vary by the type of cancer.

- 87% of individuals eligible for lung cancer screenings are NOT up to date with recommendations
- 31% of individuals eligible for colorectal cancer screenings are NOT compliant
- 27% of those eligible for cervical cancer screenings are not compliant or current
- 24% of those eligible for breast cancer screenings are not compliant or current

WOMEN BOTH MEN Colon cancer **Breast cancer** Prostate cancer (colonoscopy, stool tests, (blood test) (mammography) or sigmoidoscopy) Cervical cancer Lung cancer (pap and/or HPV test) (low-dose CT scan) Skin cancer (full-body skin check)

Reduction of cancer deaths

If 10% more individuals that are eligible for cancer screenings participated, then:

- 1% reduction in lung cancer deaths
- 4% reduction in breast cancer deaths
- 21% reduction in colorectal cancer deaths
- 40% reduction in cervical cancer deaths









Download Our Brochure













ELCOME TO THE Health Screening

Event





IAFF Local 2000 Ultrasound Health Screening

TO: Members Howard County Professional Fire Fighters **FROM:** Leadership, Howard County Professional Fire Fighters

RE: Ultrasound-based Cardiovascular and Cancer Screening Event

DATE: April 25th, 2023

As a result of our continued commitment to the Health and Wellness of our members Howard County Professional Fire Fighters is hosting an Ultrasound Screening starting Monday through Friday from June 19th - 23rd, 2023, from 7 AM to 3 PM. This event will take place at:

5397 Twin Knolls Rd #16 Columbia, MD 21045

United Diagnostic Services will be conducting Early Detection Diagnostic Testing, which has proven successful in identifying actionable pathologies to improve overall health as well as early detection for cancer and cardiovascular issues. Early detection has had a significant impact on helping prevent and reverse potential future catastrophic events. All tests are ultrasound-based and therefore painless.

All tests are ultrasound based and therefore painless, and non-invasive. Tests include an Echocardiogram, Carotid, Abdominal Aorta, Thyroid, Liver, Spleen, Bladder, Kidney, and Testicular. This screen also includes an Exterior Pelvic scan for females. The examination will take approximately 30 min to complete.

The screenings will be scheduled from Monday 6/19/2023 through Friday 6/23/2023 from 7 AM to 3 PM. Fasting for 8 hours is required for the screening and you must pre-register to participate. Results will be issued 7 to 10 business days after testing.

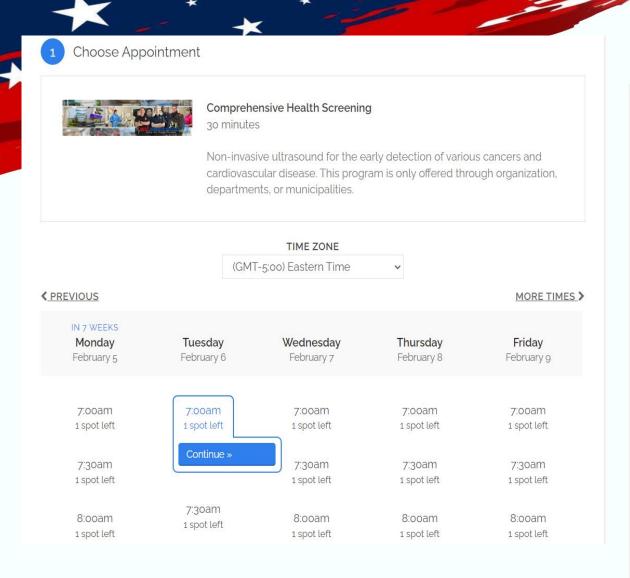
Pre-registration is <u>required</u>. To schedule your appointment:

- Go to (click here) <u>Scheduling Link</u> (https://udshealth.as.me/? calendarID=8028103)
- 2. Click on "Choose Appointment"
- 3. Select your desired appointment date/time and click "Continue"
- 4. Enter required information: First & Last Name, phone number, email address.
- 5. Enter Additional Information requested.
- 6. Click "Complete Appointment"









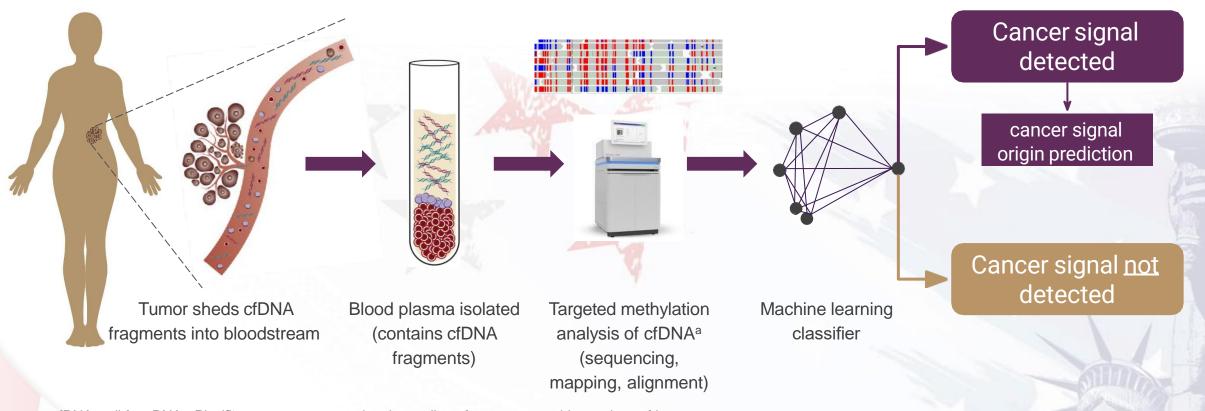
Once you open the link, simply choose your appointment date and time, enter information, and click "Complete Appointment".

◆ EDIT APPOINTMENT INFORMATION						
Comprehensive Healt 30 minutes February 6, 2024 at 7:0						
Name *						
First Name	Last Name					
Add your phone number	receive an appointment reminder via text message.					
Add your phone number						
Add your phone number Message and data rates may a						
Message and data rates may a Email * Additional Informatio	ation for your appointment. This will be used to verify information submitted at the					
Add your phone number Message and data rates may a Email * Additional Information	ation for your appointment. This will be used to verify information submitted at the n.					
Add your phone number Message and data rates may a Email * Additional Information Please complete this informe of your scheduled ex	ation for your appointment. This will be used to verify information submitted at the n.					



Multi Cancer Early Detection

Cancer can be anywhere: using a targeted methylation, next-generation sequencing (NGS)-based assay analyzing cfDNA and machine learning to detect cancer and predict cancer signal origin

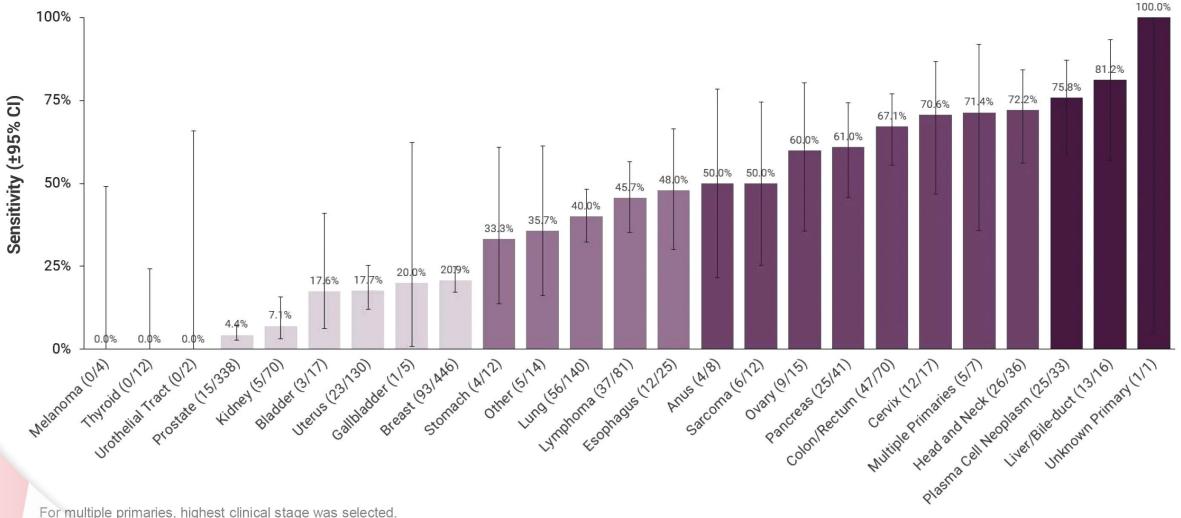


cfDNA, cell-free DNA. ^aBisulfite treatment; targeted probes pull out fragments matching regions of interest.

The Galleri[®] test does not detect all cancers and should be used in addition to routine cancer screening tests recommended by a healthcare provider. Adapted from Liu MC, et al. *Ann Oncol.* 2020;31(6):745-759. DOI:10.1016/j.annonc.2020.02.011.

Galleri is a registered trademark of GRAIL, LLC.

Sensitivity of Cancer Signal Detection by Cancer Class: Stage



For multiple primaries, highest clinical stage was selected

Sensitivity

■ 25% − <50% **■** 50% − <75%



ΛU	DS)))
PRE	LIVES THROUGH //ENTION

Cancer Type	Standard Guidelines	UDS Guidelines		
Lung and Bronchus	Low-dose CT	MRI-DWI or low-dose CT		
Colon and Rectum	Colonoscopy	Colonoscopy		
Pancreas	None	MRI-DWI, CT with contrast and 3D reconstruction, endoscopic ultrasonography		
Breast	2D- or 3D- Mammography	Mammography and mpMRI or Ultrasound *		
Prostate	Prostate-specific antigen (PSA)	 Low PSA: PSA, PSA velocity, * PSA density, mpMRI High-PSA: 4k testing, mpMRI Anything suspicious: mpMRI 		
Liver & Intrahepatic Bile Duct	None	MRI-DWI, Ultrasound, CT		
Leukemia(s)	None	Chest x-ray, CAT scan, blood test with complete blood count (CBC), liquid biopsy		
Non-Hodgkin Lymphoma	None	MRI-DWI		
Brain and other nervous system	None	MRI-DWI, CT		
Urinary Bladder	None	Cystoscopy, Ultrasound		
Esophagus	None	Endoscopy		
Kidney and Renal Pelvis	None	MRI-DWI, Ultrasound, CT		
Ovary	None	MRI-DWI or CT or Transvaginal ultrasound		
Myeloma	None	Liquid biopsy		
Uterus	None	MRI-DWI or Transvaginal ultrasound		
Stomach	None	Endoscopy, Barium x-ray		
Oral Cavity and Pharynx	None	MRI-DWI or CT		
Melanoma of the Skin	Whole-body visual exam by clinician	Whole-body visual exam by clinician		
Cervix	Pap smear (cervical cytology)	Pap smear		
Larynx	None	Endoscopy		
Mesothelioma	None	MRI-DWI, Low-dose CT		
Thyroid	None	MRI-DWI, Ultrasound, CT		
Hodgkin's Lymphoma	None	MRI-DWI		
Testis	None	MRI-DWI, Ultrasound		





Cancer screening saves lives.



Screening Recommendations

These recommendations are for people at average risk for certain cancers. Talk to a doctor about which tests you might need and the screening schedule that's right for you. It's a good idea to also talk about risk factors, such as lifestyle behaviors and family history, that may put you or your loved ones at higher risk.

Ages 25-39

Cervical cancer screening

recommended for people with a cervix beginning at age 25.

Ages 40-49

Breast cancer screening

recommended beginning at age 45, with the option to begin at age 40.

Cervical cancer screening

recommended for people with a cervix.

Colorectal cancer screening

recommended for everyone beginning at age 45.

At age 45, African American individuals should discuss **prostate cancer screening** with a doctor.

Ages 50+

Breast cancer screening recommended.

Cervical cancer screening recommended.

Colorectal cancer screening recommended.

People who currently smoke or used to smoke should discuss **lung cancer screening** with a doctor.

Discussing **prostate cancer screening** with a doctor is recommended.



Boston

Dear Primary Care Physician,

The City of Boston and Harvard Pilgrim Healthcare have mutually agreed upon a program to improve the health and wellness of Boston Fire Department members through increased testing and a more thorough regimen of preventive medicine. A key part of this program is the annual physical provided for our members.

Chronic exposure to heat, smoke and toxins cause numerous adverse physiological changes in firefighters. Evidence suggests that firefighters have a greater risk of developing coronary artery disease and cancer than other city residents. Comprehensive firefighter physical exams and screening tests focusing on primary prevention of cardiovascular disease and cancer should be done annually.

The following is a list of suggested areas for your focus.

Areas for screening and specific risk factors for heart disease to be addressed include:

Diabetes Smoking

Hypertension Alcohol and Substance Abuse

Obesity Family History of Coronary Artery Disease

Sedentary Lifestyle High Cholesterol

Prevalent cancers in firefighters that need to be screened for ten years earlier than the general population, where applicable, include:

- Skin - Kidney - Brain - Lung - Prostate - Leukemia - Colon - Bladder - Lymphoma

The annual exam should include:

- Blood pressure, pulse, respiratory rate, and temperature
- · Oxygen saturation
- · Weight and body fat index
- · Thorough skin exam
- · Eye exam and hearing testing
- Oral exam
- Heart and lung exam
- · Abdominal and testicular exam
- · Prostate and rectal exam with fecal occult blood testing
- Pelvic and Pap exam for female firefighters
- Vascular, neurological and mental status exams

Thomas M. Menino, Mayor/FIRE DEPARTMENT/115 Southampton Street 02118

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Provider Performing Radiology Services (Ultrasounds/CT Scan/Mammo)

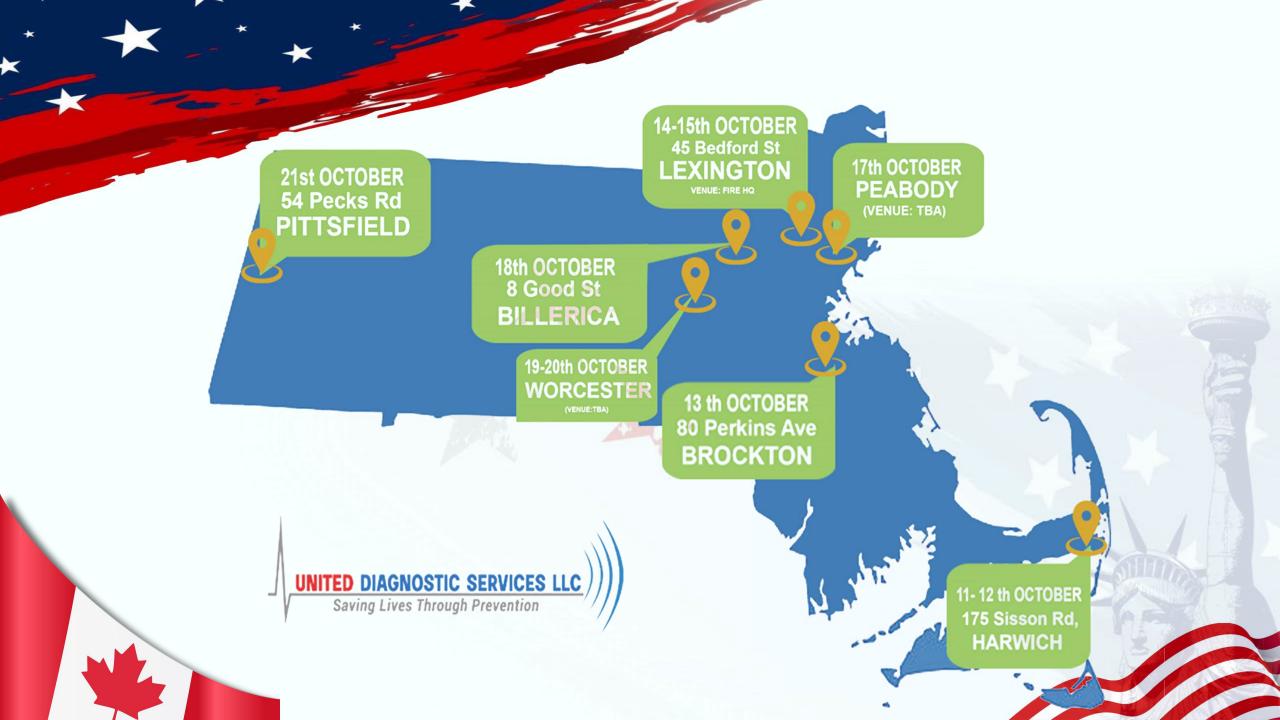




Thyroid	76536	Ultrasound, soft tissues of head and neck (eg, thyroid,	Z13.29	Encounter for screening for other suspect
		parathyroid, parotid), real time with image documentation		endocrine disorder
Testicular	76870	Ultrasound, scrotum and contents	Z12.71	Encounter for screening for malignant
				neoplasm of testis









Starting April 1st

WILL DE DIAGNOSTIC SERVICESwill be available to provide services in Ontario, Canada





Get your cancer screening scheduled today!

ULTRASOUND CANCER SCREENING

- Thyroid
- Bladder
- Testicular

64-SLICE CT CANCER SCREENING

- Lung cancer screening (low dose CT scan)
- CT heart attack screening (calcium scoring)

















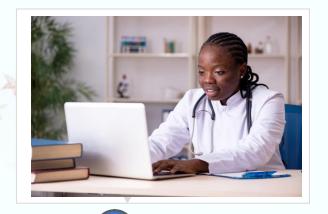




STREAM-LINE WORKFLOW OF RESULTS TURNAROUND TIME



4 Days



6 Days

Results emailed to member HIPAA compliant service

■ 8 Days









BLOOD PRESSURE



KNOW YOUR NUMBERS

BLOOD PRESSURE is the force of your blood moving against the walls of your arteries. It's expressed as TWO NUMBERS:

Top Number: SYSTOLIC (mm Hg) The pressure or force in the

The pressure or force in the arteries when the heart beats

Bottom Number:

DIASTOLIC (mm Hg)
The pressure measured
between heartbeats

NORMAL

WARNING!

Over time elevated or high blood pressure weakens your heart, blood vessels and kidneys, and makes a stroke or heart attack much more likely

HIGH

STAGE 2

STAGE 1





Focus on Nutrition
Follow the DASH diet and eat
potassium-rich vegetables



Cut Salt Aim for 1,500 mg of sodium or less per day

For men, not more than 2 drinks per day; for women, 1



Lose Weight Losing just a few pounds can make a big difference

Don't Smoke If you smoke, stop



De-stressMeditation and rest help lower blood pressure

120 129 below 80 80 130 130 139 140 and above 80 80 80 80 80 80 80

ELEVATED

Information provided for educational purposes only. Please consult your health care provider about your specific health needs.

■ Go to CardioSmart.org/HighBP to learn more about High Blood Pressure.



UNITED DIAGNOSTIC SERVICES LLC Saving Lives Through Prevention

Whatis

HEART FAILURE? APROBLEM with HOW YOUR HEART PUMPS.

There are two main types of heart failure:



light-headed



is pumping out with each beat.

Ejection fraction

is a measure of how much blood your heart.

PRESERVED **EJECTION FRACTION**

The heart can't fill with enough blood.

of breath



SYMPTOMS

Swelling in the ankles, feet, legs or tummy

> Over 6 million Americans

Shortness Rapid or irregular heartbeat

cause of

hospitalization for people 65+

Trouble breathing when lying down





Coronary artery disease



Heart attack



Diabetes High blood pressure



Heart rhythm disorders



- · Heart inflammation
- · Valve problems
- · Congenital heart problems
- Obesity
- · Some cancer treatments

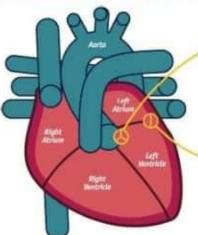


HEART VALVE DISEASE





Most heart valve problems involve the aortic & mitral valves.



AORTIC VALVE

between the left ventricle and the main artery (aorta)

MITRAL VALVE

between the left atrium and the left ventricle

SIGNS & SYMPTOMS

May vary, but often include:

- Heart murmur or unusual heartbeat
- Shortness of breath
- Swelling in the legs
- Chest pain
- Unusual fatigue
- Feeling dizzy or fainting
- **HEART VALVE** DISEASE happens when at least 1 of the 4 valves in the heart no longer works the way it should.

Most Common VALVE ISSUES

NORMAL



The valve fully opens & closes.

Mitral REGURGITATION



The valve doesn't fully close & leaks.

Aortic STENOSIS



closed

The valve doesn't open enough.

What YOU CAN DO



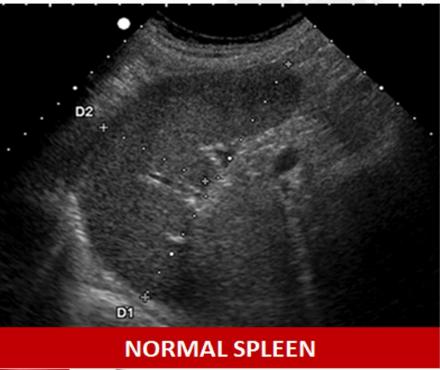
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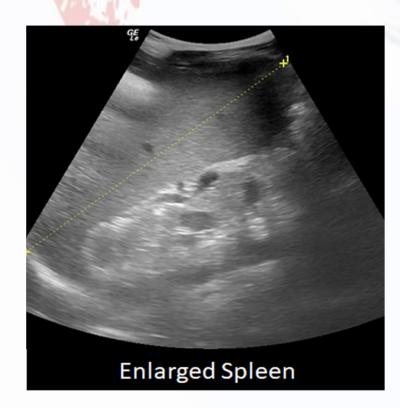


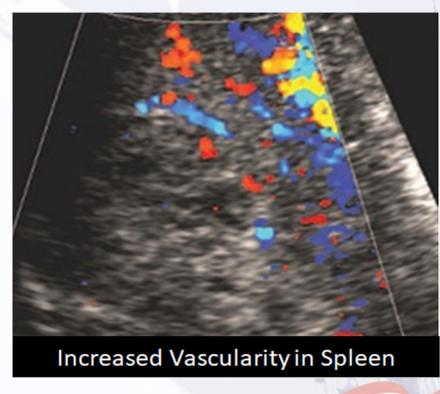




Spleen Abnormalities



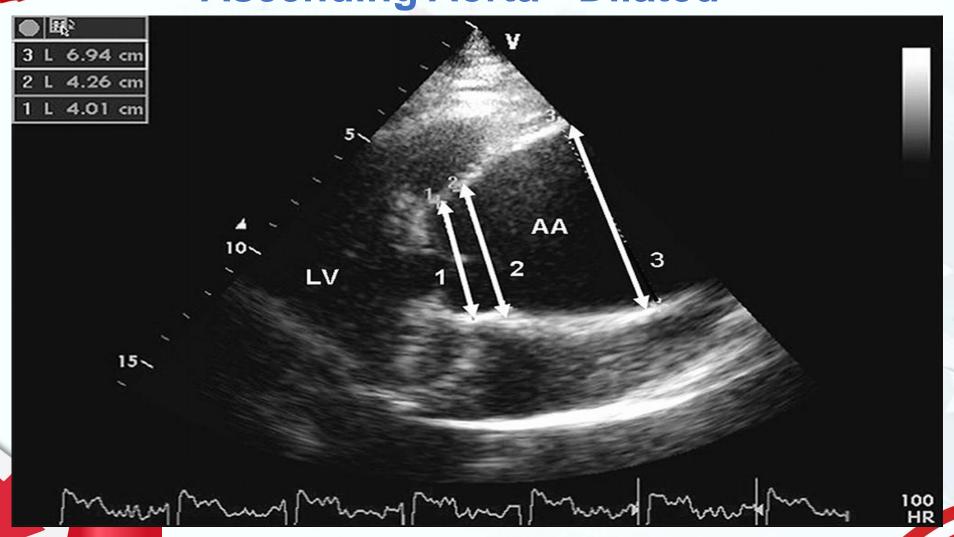








Ascending Aorta - Dilated





Abdominal Aorta Aneurysm





New Programs To Be Deployed

