

Biological Age Report

Subject Info: Bill Faloon

Specimen ID: 19844338500

Collection Date: 7/17/2023

Your Chronological Age:

68.69

Your Biological Age (Phenotypic Age):*

53.25

*This report and associated calculation(s) do not constitute laboratory results and are not to be treated as such. Please consult the corresponding specimen ID for laboratory biomarker results. Phenotypic Age is calculated from the formula¹ described in the following publications:

Liu Z, Kuo P-L, Horvath S, Crimmins E, Ferrucci L, Levine M (2019) **Correction: A new aging measure captures morbidity and mortality risk across diverse subpopulations from NHANES IV: A cohort study.** PLoS Med 16(2): e1002760.
<https://doi.org/10.1371/journal.pmed.1002760>

Liu Z, Kuo PL, Horvath S, Crimmins E, Ferrucci L, et al. (2018) **A new aging measure captures morbidity and mortality risk across diverse subpopulations from NHANES IV: A cohort study.** PLOS Medicine 15(12): e1002718.
<https://doi.org/10.1371/journal.pmed.1002718>

Levine ME, Lu AT, Quach A, Chen BH, Assimes TL, Bandinelli S, Hou L, Baccarelli AA, Stewart JD, Li Y, Whitsel EA, Wilson JG, Reiner AP, et al. **An epigenetic biomarker of aging for lifespan and healthspan. Aging (Albany NY).** 2018 Apr 1810:573-591.
<https://doi.org/10.18632/aging.101414>

This calculation is a novel approximation of phenotypic age based on statistical models of mortality risk amongst the NHANES III & IV cohorts. The information provided from this calculation are provided for informational purposes only. If your laboratory biomarker results are out of range due to transient factors such as infection, this may affect the reliability and accuracy of your calculated result. This report should not be used for purposes of medical advice, nor used to diagnose, treat, prevent, or cure any disease.

¹Formula published in Liu et al. 2019 (Correction to Liu et al. 2018):

$$\text{Phenotypic Age} = 141.50 + \frac{\ln[-0.00553 \times \ln(1 - M)]}{0.09165}$$

Where:

$$M = 1 - \exp\left(\frac{-1.51714 \times \exp(xb)}{0.0076927}\right)$$

and:

$$\begin{aligned}xb = & -19.907 - 0.0336 \times \text{Albumin} + 0.0095 \times \text{Creatinine} + 0.1953 \times \text{Glucose} \\ & + 0.0954 \times \ln(\text{CRP}) - 0.0120 \times \text{Lymphocyte Percent} \\ & + 0.0268 \times \text{Mean Cell Volume} + 0.3306 \times \text{Red Cell Distribution Width} \\ & + 0.00188 \times \text{Alkaline Phosphatase} + 0.0554 \times \text{White Blood Cell Count} \\ & + 0.0804 \times \text{Chronological Age}\end{aligned}$$



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LAB RESULTS

Last Name	Lab ID	Specimen Number	Time Collected	Date Entered	Time Reported
FALOON	1213136	198-443-3850-0	7/17/2023 3:17 PM	7/17/2023	7/19/2023 5:07 PM
First Name	Middle Initial	Phone	Control Number	Account Number	Account Phone Number
BILL				9134075	954-766-8433
Date of Birth	Age	Sex	Fasting	Physician Name	Physician ID
11 1954	68	M	Yes	Marks L	1114918349
Address			Account Address		

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900 NORTH FEDERAL HIGHWAY, FT. LAUDERDALE, FL 33304

Tests Ordered

CMP14+LP+4AC+CBC/D/Plt; C-Reactive Protein, Cardiac; Homocyst(e)ine; Insulin; Apolipoprotein B

FALOON, BILL - ID#: 1213136

Tests	Result	Flag	Units	Reference Interval	Lab
CMP14+LP+4AC+CBC/D/Plt					
Glucose	97		mg/dL	70-99	TA
Uric Acid	5.3		mg/dL	3.8-8.4	TA
BUN	19		mg/dL	8-27	TA
Creatinine	0.83		mg/dL	0.76-1.27	TA
eGFR	95		mL/min/1.73	>59	TA
BUN/Creatinine Ratio	23			10-24	TA
Sodium	139		mmol/L	134-144	TA
Potassium	4.1		mmol/L	3.5-5.2	TA
Chloride	101		mmol/L	96-106	TA
Carbon Dioxide, Total	23		mmol/L	20-29	TA
Calcium	9.6		mg/dL	8.6-10.2	TA
Phosphorus	4.0		mg/dL	2.8-4.1	TA
Protein, Total	7.1		g/dL	6.0-8.5	TA
Albumin	4.8		g/dL	3.9-4.9	TA
Please note reference interval change					
Globulin, Total	2.3		g/dL	1.5-4.5	TA
A/G Ratio	2.1			1.2-2.2	TA
Bilirubin, Total	0.3		mg/dL	0.0-1.2	TA
Alkaline Phosphatase	46		IU/L	44-121	TA
LDH	148		IU/L	121-224	TA
AST (SGOT)	41	High	IU/L	0-40	TA
ALT (SGPT)	38		IU/L	0-44	TA
Iron	60		ug/dL	38-169	TA
Cholesterol, Total	105		mg/dL	100-199	TA
Triglycerides	54		mg/dL	0-149	TA
HDL Cholesterol	62		mg/dL	>39	TA
VLDL Cholesterol Cal	13		mg/dL	5-40	TA
LDL Chol Calc (NIH)	30		mg/dL	0-99	TA
Comment:					TA

Name: BILL FALOON

Lab ID: 1213136

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BILL FALOON

Ship Method: USPS First-Class

Order No: 21826725

321

Pick: *71408321*





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FALOON, BILL - ID#: 1213136

Tests	Result	Flag	Units	Reference Interval	Lab
<u>CMP14+LP+4AC+CBC/D/Plt</u>					
T. Chol/HDL Ratio	1.7		ratio	0.0-5.0	TA
				T. Chol/HDL Ratio	
				Men Women	
				1/2 Avg.Risk 3.4 3.3	
				Avg.Risk 5.0 4.4	
				2X Avg.Risk 9.6 7.1	
				3X Avg.Risk 23.4 11.0	
Estimated CHD Risk	< 0.5		times avg.	0.0-1.0	TA
		The CHD Risk is based on the T. Chol/HDL ratio. Other factors affect CHD Risk such as hypertension, smoking, diabetes, severe obesity, and family history of premature CHD.			
WBC	3.6		x10E3/uL	3.4-10.8	TA
RBC	4.59		x10E6/uL	4.14-5.80	TA
Hemoglobin	13.7		g/dL	13.0-17.7	TA
Hematocrit	40.4		%	37.5-51.0	TA
MCV	88		fL	79-97	TA
MCH	29.8		pg	26.6-33.0	TA
MCHC	33.9		g/dL	31.5-35.7	TA
RDW	12.6		%	11.6-15.4	TA
Platelets	168		x10E3/uL	150-450	TA
Neutrophils	49		%	Not Estab.	TA
Lymphs	28		%	Not Estab.	TA
Monocytes	15		%	Not Estab.	TA
Eos	7		%	Not Estab.	TA
Basos	1		%	Not Estab.	TA
Immature Cells					TA
Neutrophils (Absolute)	1.8		x10E3/uL	1.4-7.0	TA
Lymphs (Absolute)	1.0		x10E3/uL	0.7-3.1	TA
Monocytes(Absolute)	0.6		x10E3/uL	0.1-0.9	TA
Eos (Absolute)	0.3		x10E3/uL	0.0-0.4	TA
Baso (Absolute)	0.0		x10E3/uL	0.0-0.2	TA
Immature Granulocytes	0		%	Not Estab.	TA
Immature Grans (Abs)	0.0		x10E3/uL	0.0-0.1	TA
NRBC					TA
Hematology Comments:					TA
<u>C-Reactive Protein, Cardiac</u>					
C-Reactive Protein, Cardiac	<0.15		mg/L	0.00-3.00	TA
				Relative Risk for Future Cardiovascular Event	
				Low <1.00	
				Average 1.00 - 3.00	
				High >3.00	
<u>Homocyst(e)ine</u>					
Homocyst(e)ine	6.8		umol/L	0.0-17.2	TA
<u>Insulin</u>					
Insulin	8.0		uIU/mL	2.6-24.9	TA

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FALOON. BILL - ID#: 1213136

Tests	Result	Flag	Units	Reference Interval	Lab
Apolipoprotein B	42		mg/dL	<90	BN
Apolipoprotein B			Desirable	< 90	
			Borderline High	90 - 99	
			High	100 - 130	
			Very High	>130	

		ASCVD RISK	THERAPEUTIC TARGET		
		CATEGORY	APO B (mg/dL)		
		Very High Risk	<80 (if extreme risk <70)		
		High Risk	<90		
		Moderate Risk	<90		

Lab	Facility	Director	Phone
TA	Labcorp T 5610 W LaSalle Street, Tampa, FL,	MD Sean Farrier	800-877-5227
BN	Labcorp B 1447 York Court, Burlington, NC,	MD Sanjai Nagendra	800-762-4344

For inquiries, the physician may contact the above locations.

Thank you for ordering your lab tests through Life Extension/National Diagnostics, Inc. If you would like to discuss your results please call us at 1-800-208-3444. In order to ensure your privacy we ask that you have a copy of your results in front of you when making the call, as you will be asked to provide a specimen number or other identifier from the report. Our Wellness Specialists WILL NOT be able to review your lab results with you, unless you are able to provide this information from the report. We also understand that there are times when you will want to review a family members blood test results with our staff. Although Life Extension is happy to comply with these requests, permission (either verbally or in writing) must be given by the person who took the blood tests in order for us to do so. Thank you for your cooperation with these policies as we endeavor to keep your blood test results secure.

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