

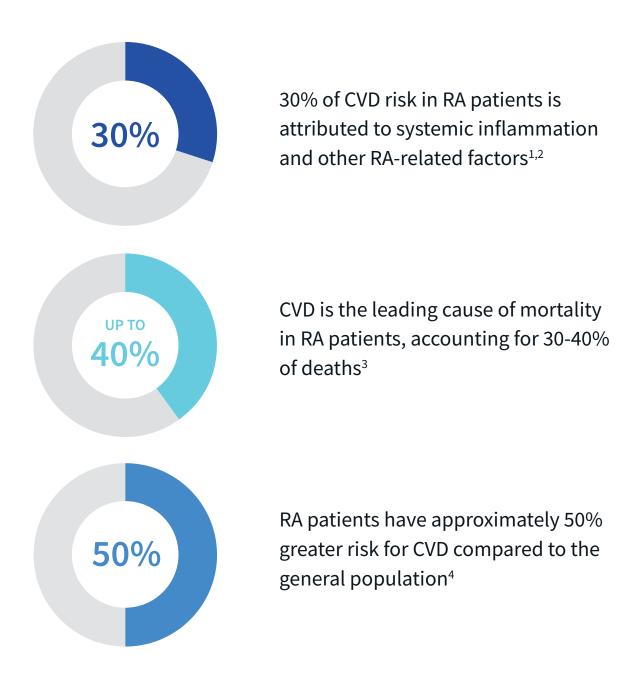
KNOW YOUR PATIENT'S RHEUMATOID ARTHRITIS INFLAMMATION LEVEL

Manage Their Risk

A guide to controlling your patient's cardiovascular risk associated with their rheumatoid arthritis inflammation.



Risk of Cardiovascular Disease (CVD) is Increased in Patients with Rheumatoid Arthritis (RA)



Traditional cardiovascular (CV) risk factors **DO NOT** fully explain the increased CV risk seen in RA patients⁵

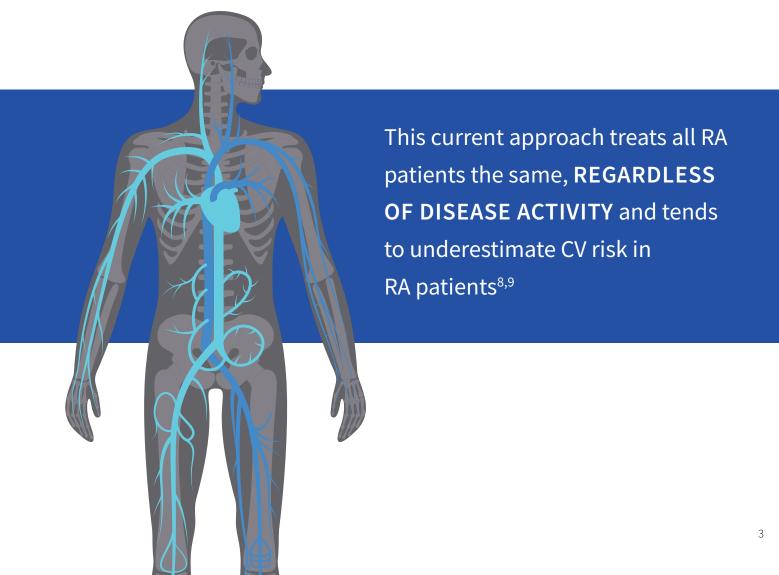
Current Prediction Tools Available for Cardiovascular Risk Assessment

CURRENT 10-YEAR RISK CATEGORIES⁶

LOW	BORDERLINE	INTERMEDIATE	HIGH
10 yr:	10 yr:	10 yr:	10 yr:
<5%	≥ 5 to <7.5%	≥ 7.5 to <20%	≥ 20%

RISK DISCUSSION: Discuss lifestyle and treatments to reduce risk

EULAR guidelines suggest calculating general-population risk and multiplying by 1.5x to get an RA patient's CV risk⁷



Identifying Patients Using Only Traditional Cardiovascular **Risk Factors**

PATIENT CASE



Patient Information Age: 60 **Gender:** Female Diagnosis: Rheumatoid Arthritis - 2002



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Visit Type Follow-up Appointment

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Visit Notes

TJC28:4 SJC28: 0

Pt Assessment: Patient reports doing fine

Patient Clinical Information

Diabetes Diagnosis	NO
Hypertension (High Blood Pressure) Diagnosis	NO
Other Cardiovascular Disease Diagnosis	NO
Tobacco Use (Past or Present)	NO

Absent a Vectra[®] Score, this patient's inflammation appears under control

Identifying Patients Using Traditional Cardiovascular **Risk Factors and Vectra**

PATIENT CASE



Patient Information Age: 60 **Gender:** Female Diagnosis: Rheumatoid Arthritis - 2002



Visit Type Follow-up Appointment

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Visit Notes

TJC28:4

SJC28: 0

Pt Assessment: Patient reports doing fine

Patient Clinical Information

VECTRA SCORE	Diabetes Diagnosis	NO
46	Hypertension (High Blood Pressure) Diagnosis	NO
нідн	Other Cardiovascular Disease Diagnosis	NO
(45-100)	Tobacco Use (Past or Present)	NO

Patients with RA have a CV risk similar to a non-RA patient who is 5-10 years older¹⁰ Vectra Cardiovascular Risk Incorporates a Personalized Assessment of Inflammation to Predict a Patient's 3-year Risk for a Cardiovascular Event





Vectra CV Risk has been developed and internally validated utilizing Medicare **data from over 30,000 patients** with RA¹¹



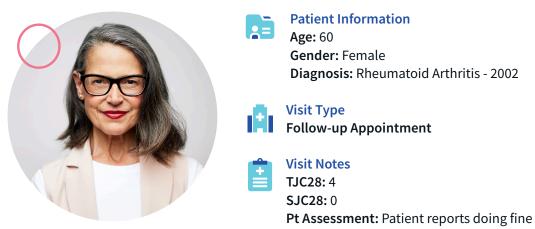
80% of patients in validation cohort fell into the Intermediate or High CV risk categories¹¹



Vectra CV Risk has been **externally validated** in a younger independent cohort whose median age was 54¹²

Knowing Your Patient's Risk Associated with Their Inflammation Puts You in Control

PATIENT CASE



Patient Clinical Information

VECTRA SCORE	Diabetes Diagnosis	NO
46	Hypertension (High Blood Pressure) Diagnosis	NO
HIGH (45-100)	Other Cardiovascular Disease Diagnosis	NO
	Tobacco Use (Past or Present)	NO

VECTRA CARDIOVASCULAR 3-YEAR RISK RESULT

2.1% **RISK**

Intermediate Risk

Patients with lower Vectra Scores have a lower average cardiovascular risk¹¹

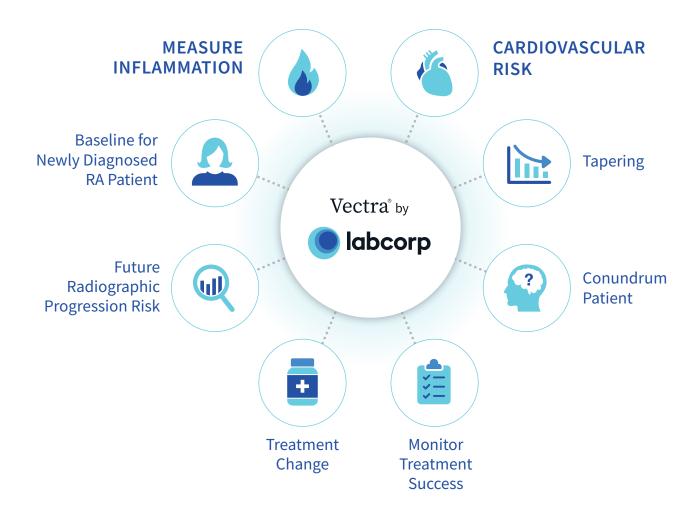
VECTRA SCORE	Diabetes Diagnosis	NO
25	Hypertension (High Blood Pressure) Diagnosis	NO
LOW (1-29)	Other Cardiovascular Disease Diagnosis	NO
	Tobacco Use (Past or Present)	NO

VECTRA CARDIOVASCULAR 3-YEAR RISK RESULT

0.8% **RISK**

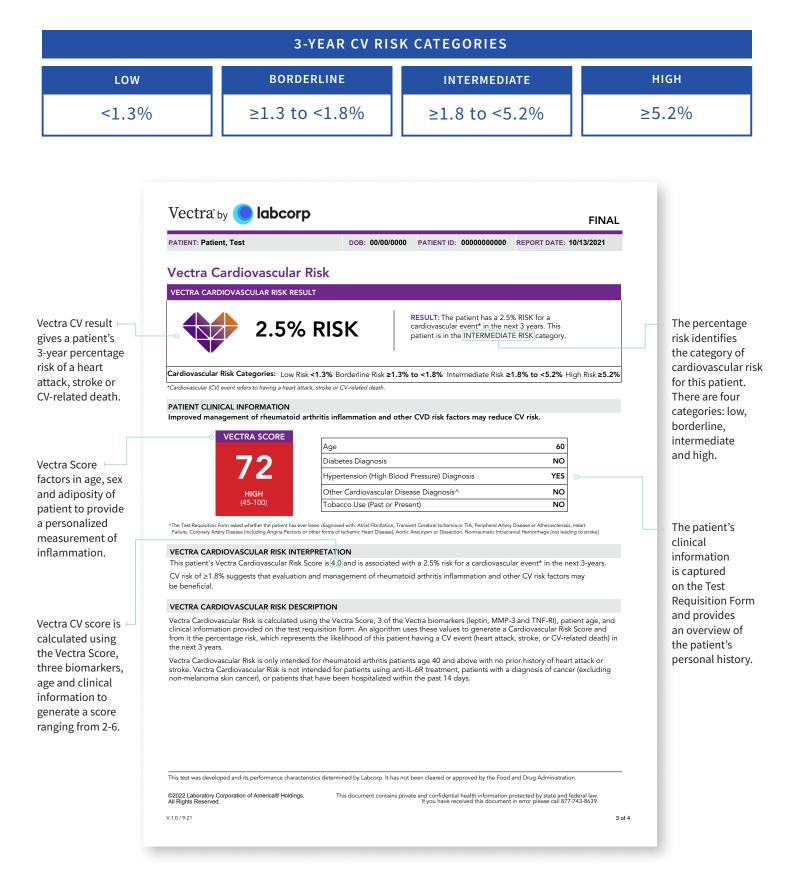
Low Risk

Vectra: Your Multi-Assessment Tool to Help You Reach Your Treat-to-Target Goals



Help reduce your patient's CV by utilizing Vectra to monitor **INFLAMMATION** with the goal of reaching the lowest possible level of disease activity

Vectra Cardiovascular Risk Report: A Personalized 3-Year Risk Result



Utilizing Vectra and Vectra Cardiovascular Risk to Help Guide Medical Management Considerations

 Low Vectra	MONITOR:
Score Low/Borderline	Test 2x per year, to monitor that patient remains
Vectra CV Score	in treatment goal
 Low Vectra Score Intermediate/ High Vectra CV Score 	 MONITOR: Test 2x per year, to monitor that patient remains in treatment goal CONSIDER REFERRAL: Consider referring patient to primary care physician, cardiologist or internist
 High/Moderate	TREATMENT CHANGE / THERAPY MONITOR:
Vectra Score Low/Borderline	Test at 3-6 months after treatment change to evaluate
Vectra CV Score	if treatment is working
 High/Moderate Vectra Score Intermediate/ High Vectra CV Score 	TREATMENT CHANGE / THERAPY MONITOR: Test at 3-6 months after treatment change to evaluate if treatment is working CONSIDER REFERRAL: Consider referring patient to primary care physician, cardiologist or internist

Vectra CV Risk results should not be compared to each other

VECTRA® CARDIOVASCULAR RISK IS APPROPRIATE FOR:









Patients with RA

≥ 40 Years of Age

No History of Heart Attack or Stroke

Vectra Cardiovascular Risk is not intended for patients using anti-IL-6R treatment in the last 90 days, patients with a diagnosis of cancer (excluding non-melanoma skin cancer) or patients who have been hospitalized within the past 14 days.

Add Vectra Cardiovascular Risk to Your Patient's Vectra Results at No Additional Cost

Provider Resources



A secure, mobile-optimized web application that lets you:

- Order tests and receive result reports
- Order supplies
- View on-screen visual cues with specimen collection instructions (AccuDraw)
- Pay a bill and access billing forms



Provider Support

A team of highly trained medical liaisons is available for consultation. For questions associated with the Vectra Test, please contact Customer Service.

Phone: 1-877-743-8639





CARDIOVASCULAR RISK

- Vectra CV Risk was developed for RA patients
- Provides an actionable result at point of care
- Alerts to the CV risk in RA patients
- Highlights the role of reducing systemic inflammation associated with RA

References

1. Crowson CS, Rollefstad S, Ikdahl E, Kitas GD, van Riel P, Gabriel SE, et al. Impact of risk factors associated with cardiovascular outcomes in patients with rheumatoid arthritis. Ann Rheum Dis. 2018;77(1):48-54 2. Solomon DH, Kremer J, Curtis JR, Hochberg MC, Reed G, Tsao P, et al. Explaining the cardiovascular risk associated with rheumatoid arthritis: traditional risk factors versus markers of rheumatoid arthritis severity. Ann Rheum Dis. 2010;69:1920-5. 3. DeMizio DJ, Geraldino-Pardilla LB. Autoimmunity and Inflammation Link to Cardiovascular Disease Risk in Rheumatoid Arthritis. Rheumatol Ther. 2020;7(1):19-33. 4. Aviña-Zubieta JA, Choi HK, Sadatsafavi M, Etminan M, Esdaile JM, Lacaille D. Risk of cardiovascular mortality in patients with rheumatoid arthritis: a meta-analysis of observational studies. Arthritis Rheum. 2008;59(12):1690-7. 5. Crowson CS, Liao KP, Davis JM, 3rd, Solomon DH, Matteson EL, Knutson KL, et al. Rheumatoid arthritis and cardiovascular disease. Am Heart J. 2013;166(4):622-8 et 6. Arnett DK, Blumenthal RS, Albert MA, Buroker AB, Goldberger ZD, Hahn EJ, et al. 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. Circulation. 2019;140(11):e596-e646. 7. Agca R, Heslinga SC, Rollefstad S, Heslinga M, McInnes IB, Peters MJ, et al. EULAR recommendations for cardiovascular disease risk management in patients with rheumatoid arthritis and other forms of inflammatory joint disorders: 2015/2016 update. Ann Rheum Dis. 2017;76(1):17-28 8. Arts EE, Popa C, Den Broeder AA, Semb AG, Toms T, Kitas GD, et al. Performance of four current risk algorithms in predicting cardiovascular events in patients with early rheumatoid arthritis. Ann Rheum Dis. 2015;74(4):668-74. 9. Alemao E, Cawston H, Bourhis F, Al M, Rutten-van Molken M, Liao KP, et al. Comparison of cardiovascular risk algorithms in patients with vs without rheumatoid arthritis and the role of C-reactive protein in predicting cardiovascular outcomes in rheumatoid arthritis. Rheumatology (Oxford). 2017;56(5):777-86. 10. Kremers HM et al, High Ten-Year Risk of Cardiovascular Disease is Newly Diagnosed Rheumatoid Arthritis Patients, Arthritis & Rheum 2008; 58(8): 2268-2274. 11. Curtis JR, Xie F, Crowson CS, et al. Derivation and internal validation of a multi-biomarker-based cardiovascular disease risk prediction score for rheumatoid arthritis patients. Arthritis Res Ther. 2020;22(1):282. Published 2020 Dec 4. doi:10.1186/s13075-020-02355-0 12. Curtis J, Sasso E, Hitraya E, Chin C, Bamford R, Ben-Shachar R, Gutin A, Flake D, Mabey B, Lanchbury J. External Validation of a Multi-biomarker-Based Cardiovascular Disease Risk Prediction Score for Rheumatoid Arthritis Patients [abstract]. Arthritis Rheumatol. 2020; 72 (suppl 10). https:// acrabstracts.org/abstract/external-validation-of-a-multi-biomarker-based-cardiovasculardisease-risk-prediction-score-for-rheumatoidarthritis-patients/. Accessed October 19, 2020.