

CONGRESSO
REGIONALE CALABRIA
SID - AMD
2022



T-HOTEL LAMEZIA TERME
25-26 NOVEMBRE 2022

IL RISCHIO CV: MA SAPPIAMO DAVVERO COS'E'?

Angelo Avogaro
Università di Padova



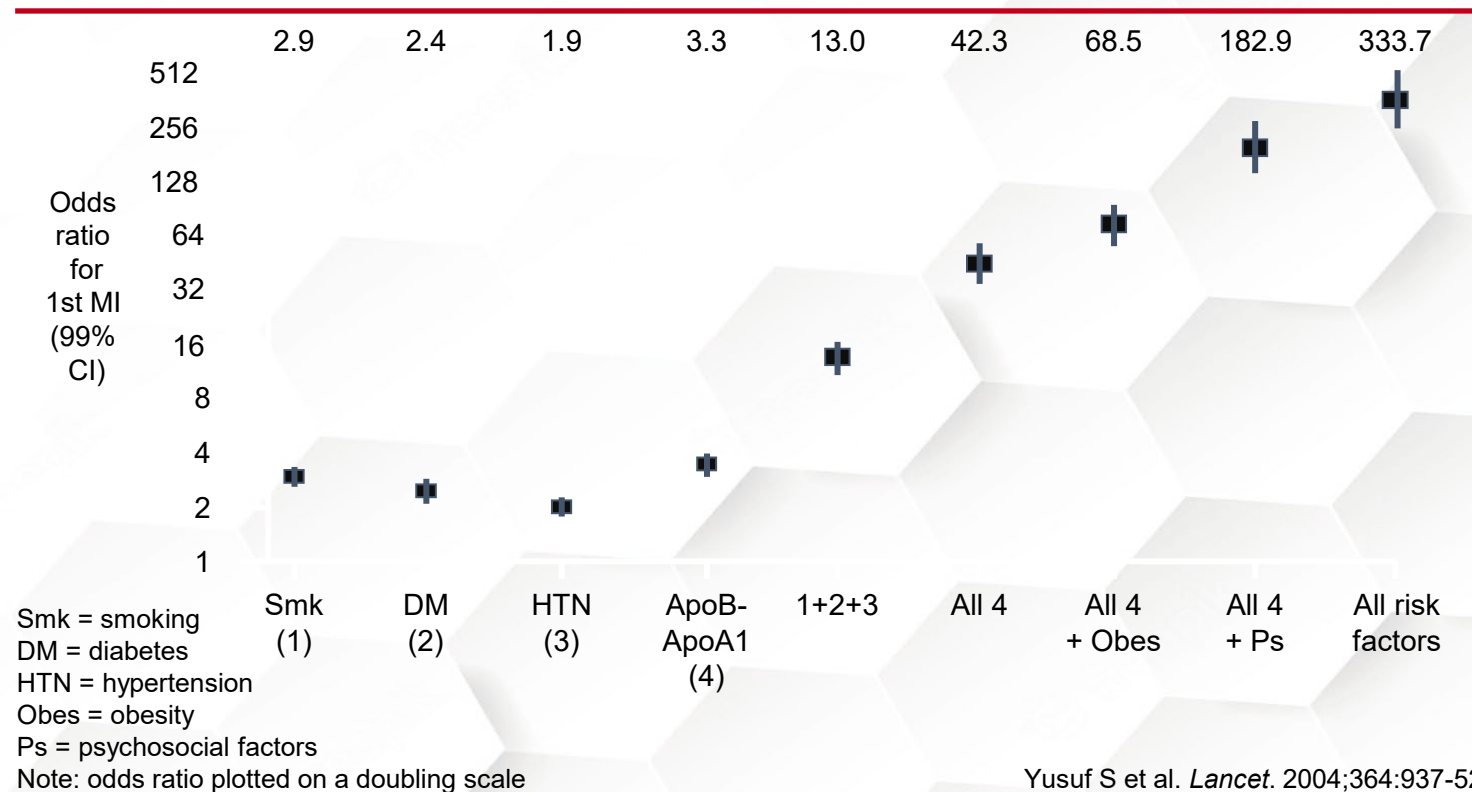
Conflitti di interesse di Angelo Avogaro

Dichiaro di aver ricevuto negli ultimi 2 anni compensi dalle seguenti aziende:

Pharma International Company, AstraZeneca, Boehringer Ingelheim, Bristol Myers Squibb, Eli Lilly, Bruno Farmaceutici, Mundipharma, Neopharmed, Amgen, Servier, GlaxoSmithKline, Merck Sharp & Dohme, Novartis, Novo Nordisk, Sanofi, Takeda.



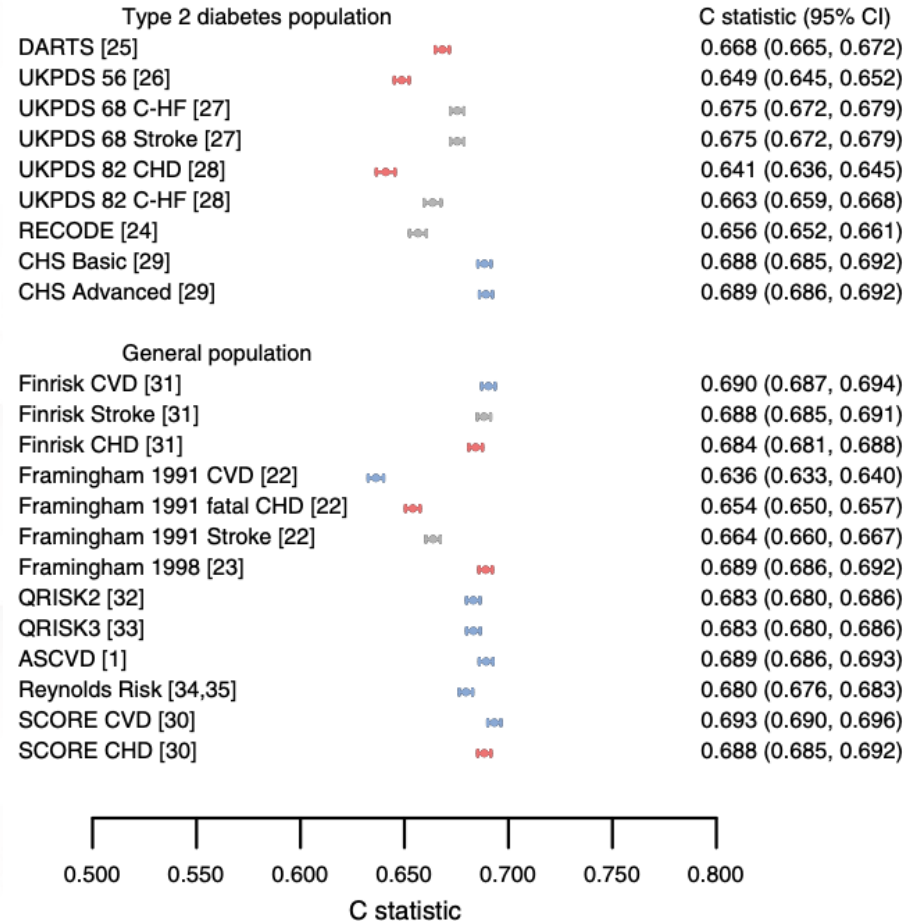
INTERHEART: Impact of multiple risk factors on CV risk. The 4 major Modifiable Risk Factor account for the 90% of AMI

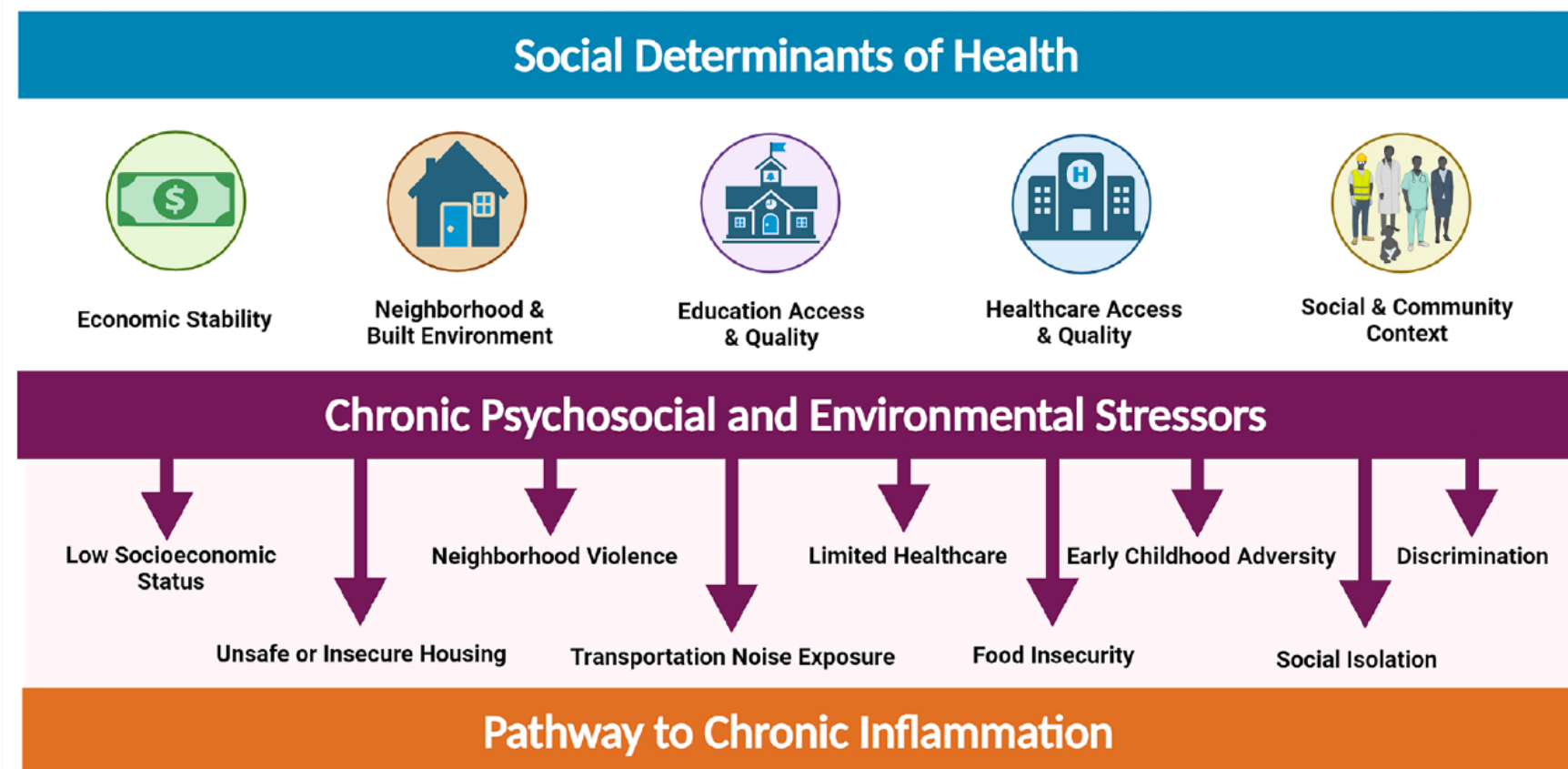




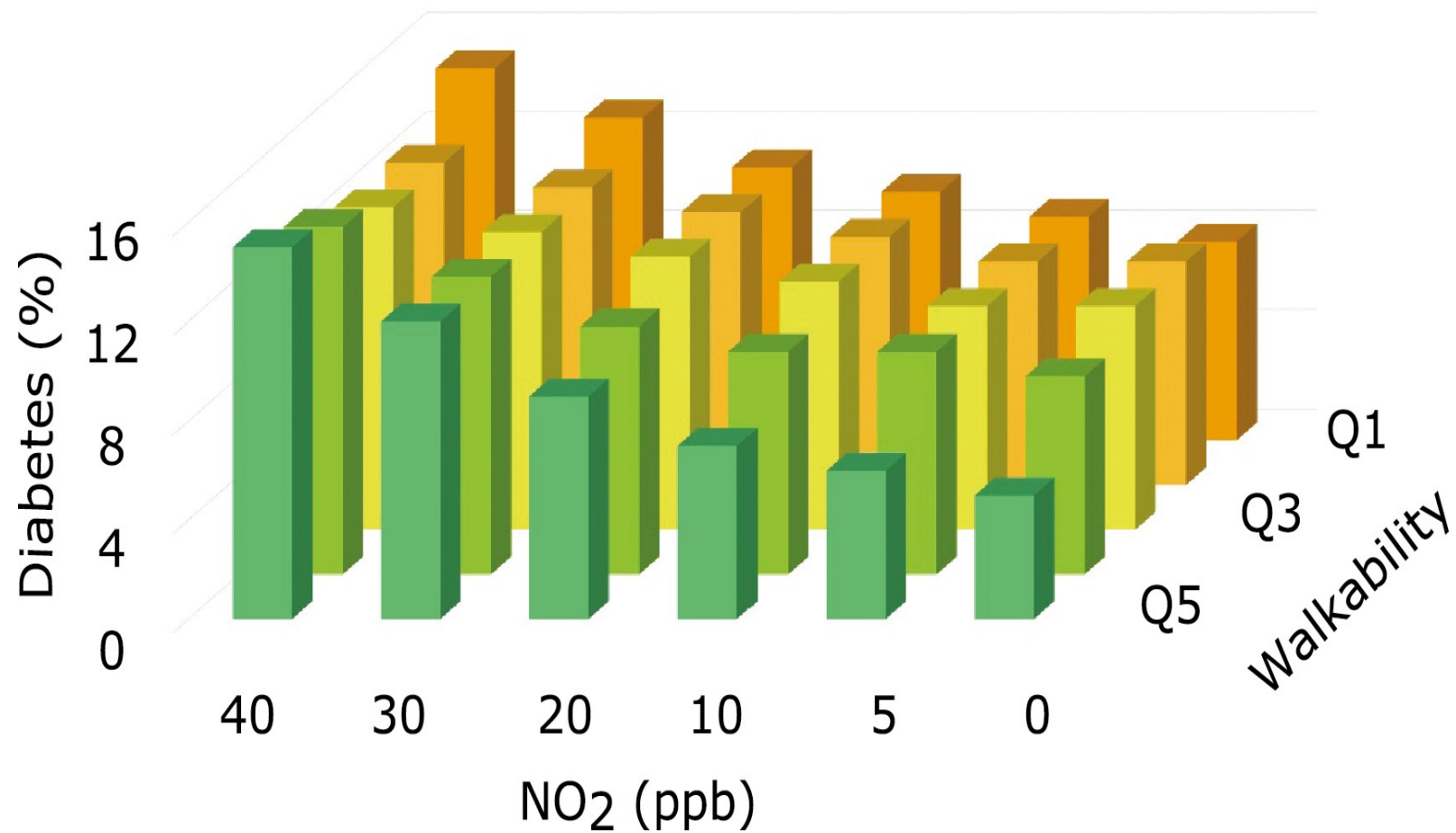
C statistics (discrimination) of 22 CVD risk prediction tools externally validated in a UK-based type 2 diabetes sample

b

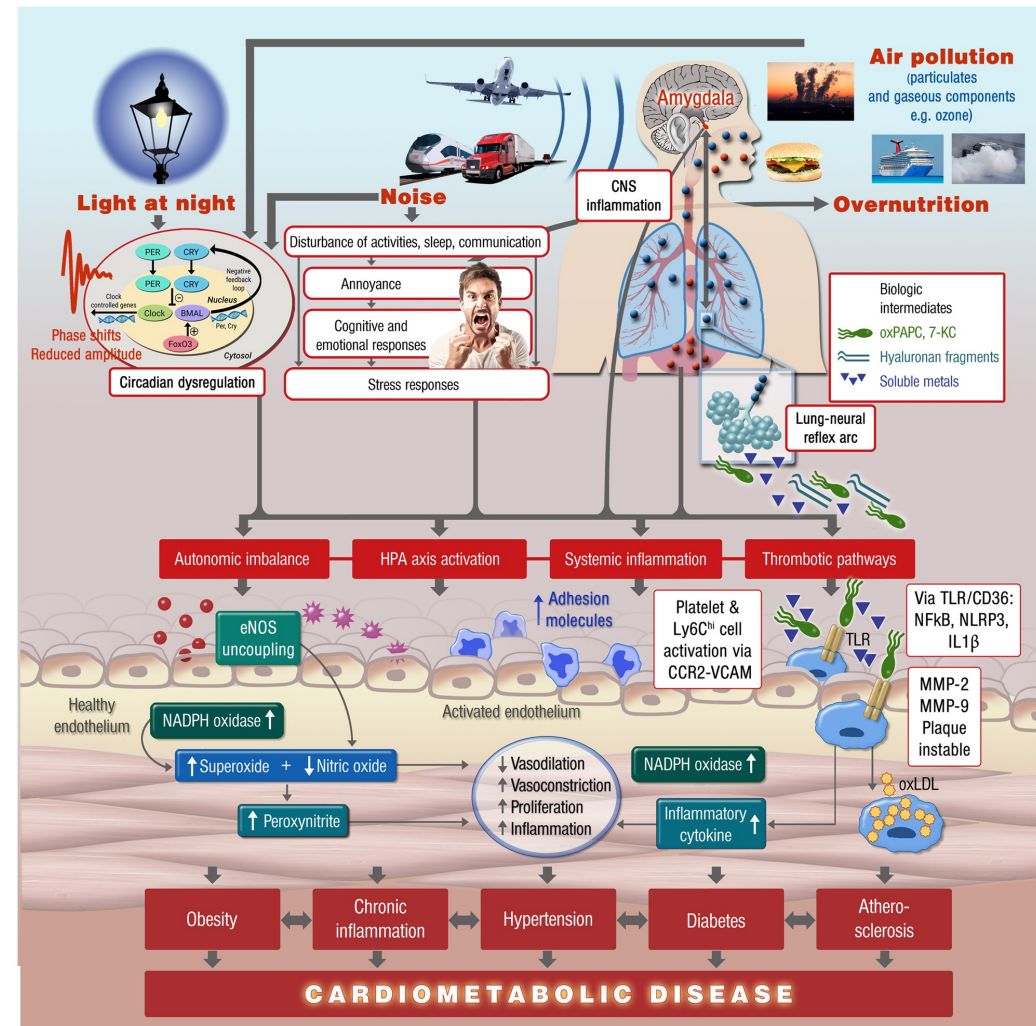




Interaction between neighborhood walkability and traffic-related air pollution and incidence of Diabetes



Proposed pathophysiological mechanisms of cardiovascular disease induced by environment



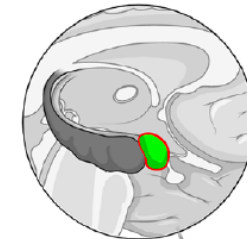
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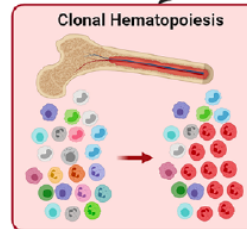
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Neuro-Hematopoietic Axis

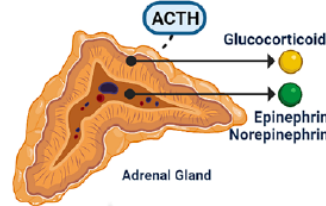
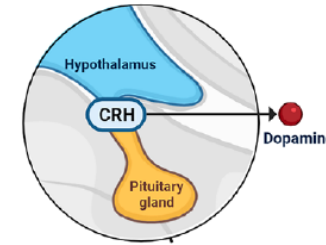
Chronic Amygdalar Activation



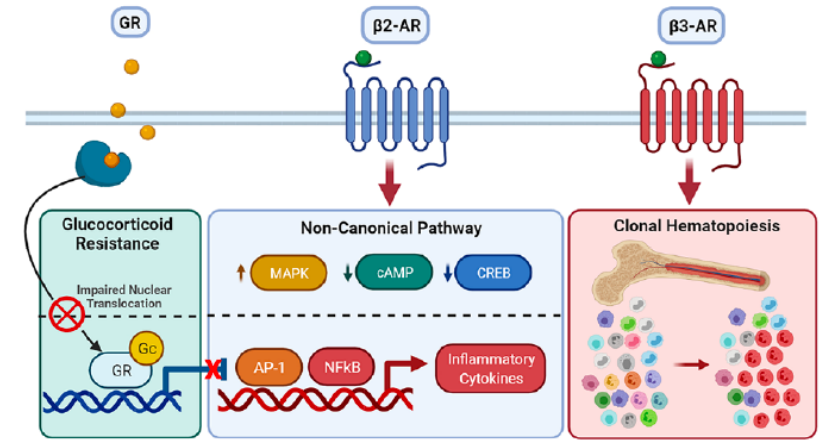
SNS Efferents



SAM Axis & HPA Axis

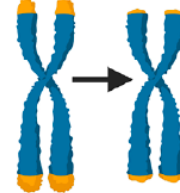


Glucocorticoid & Catecholamine Signaling under Chronic Stress

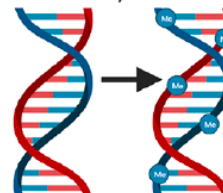


Epigenetic Modification

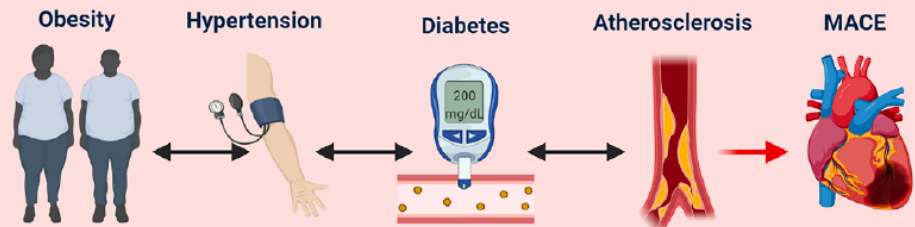
Telomere Shortening



DNA Methylation

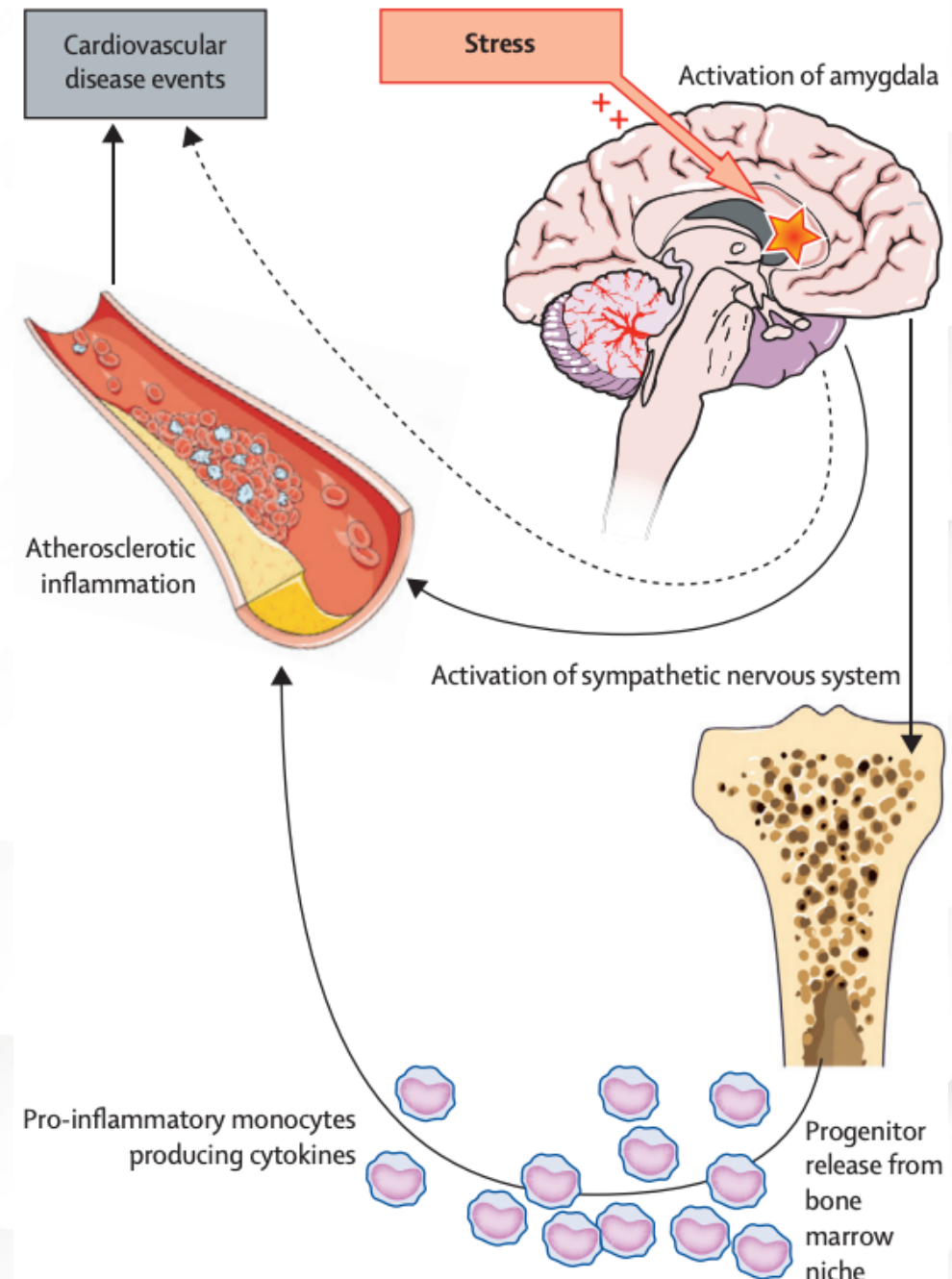


CVD Development and Progression



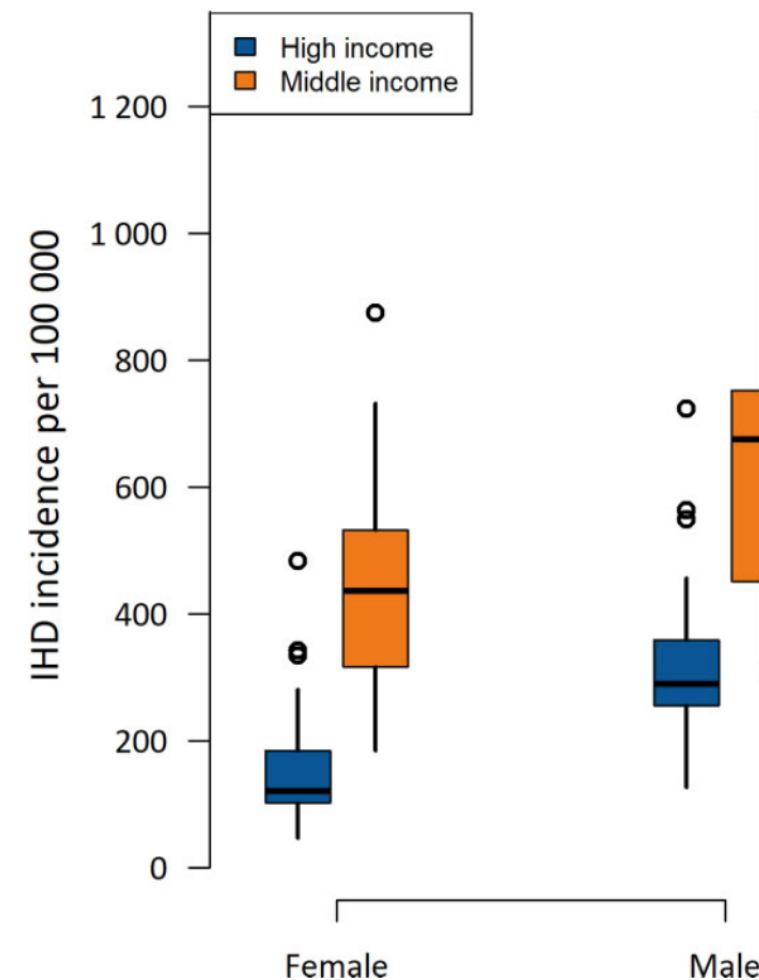
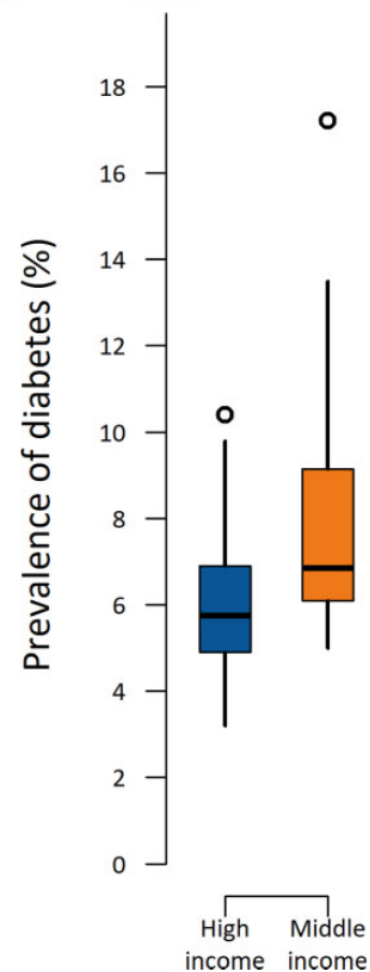
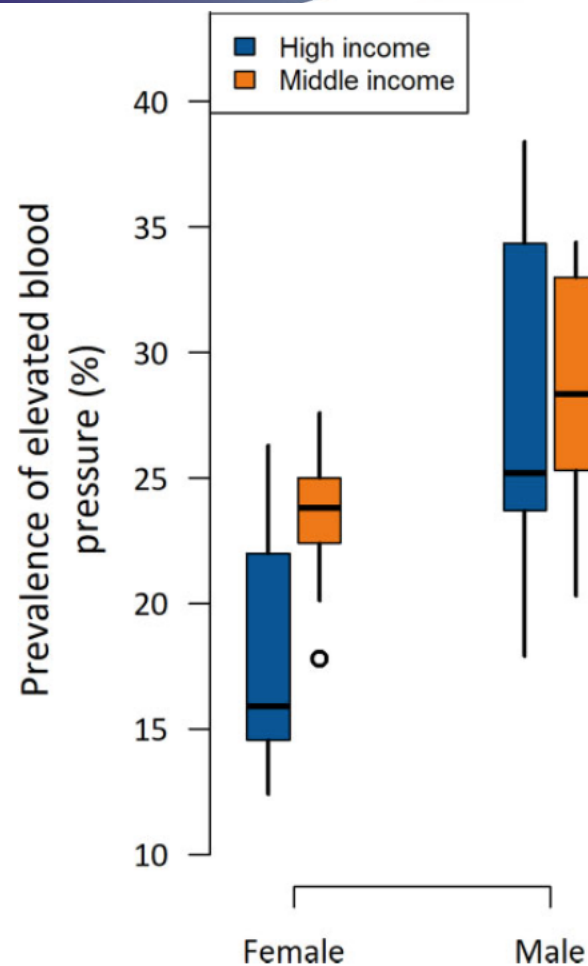


A model of stress leading to atherosclerotic infl ammation



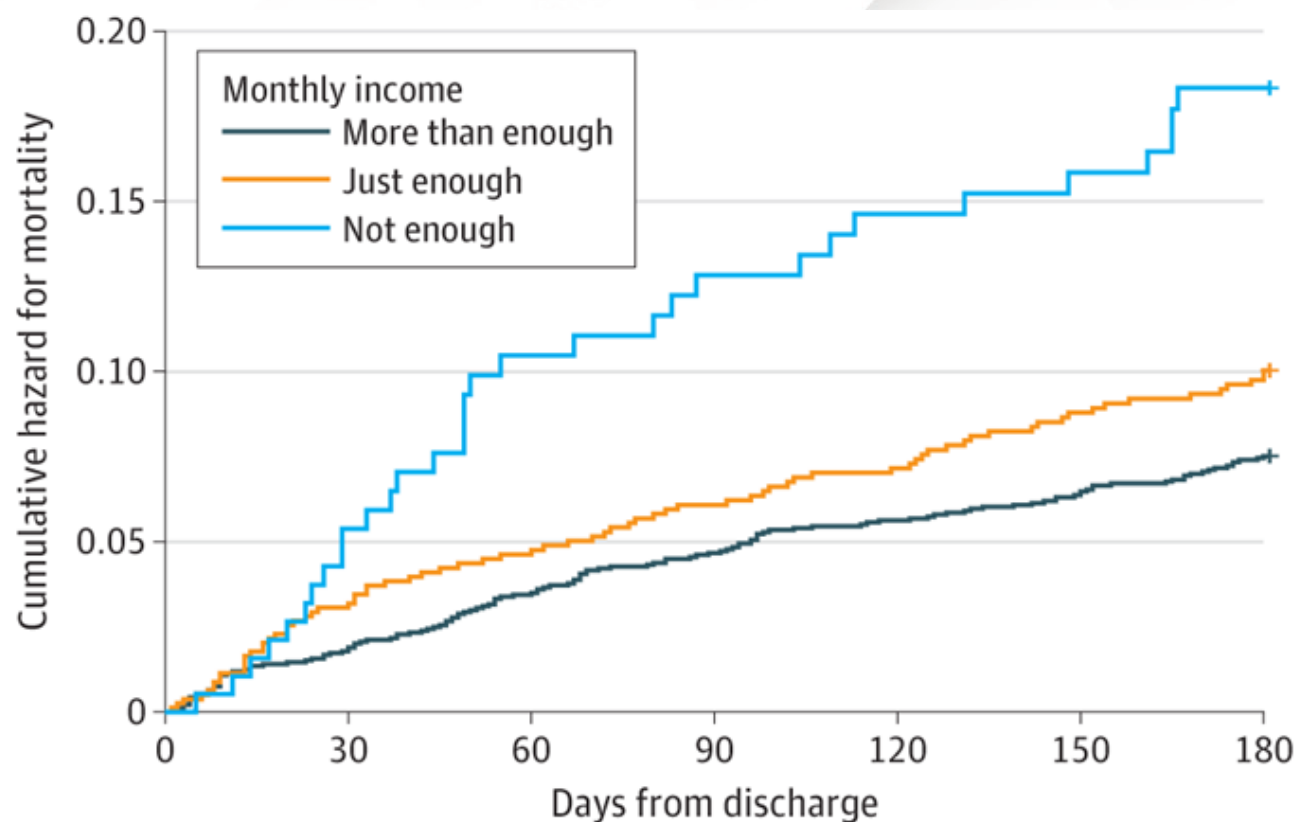


European Society of Cardiology: cardiovascular disease statistics 2021





Mortality Rates Across 180 Days After Acute Myocardial Infarction by Financial Strain Status



No. at risk

More than enough	1864	1831	1801	1779	1762	1749	1730
Just enough	796	772	760	749	741	729	722
Not enough	191	181	172	168	165	163	159

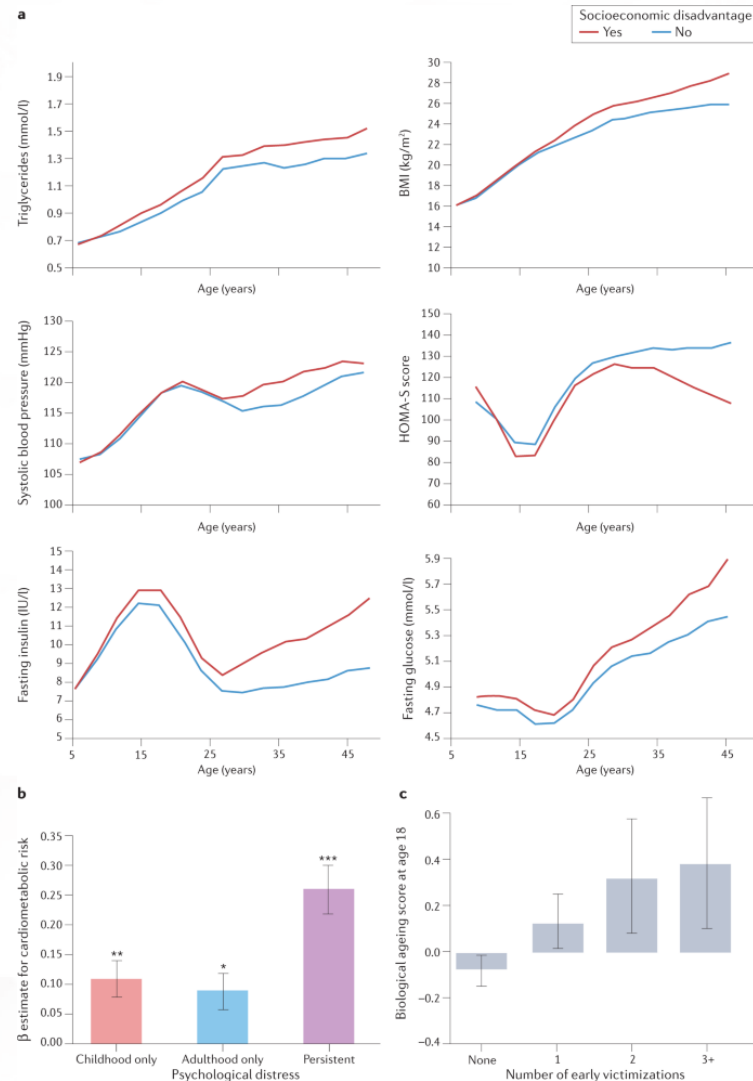
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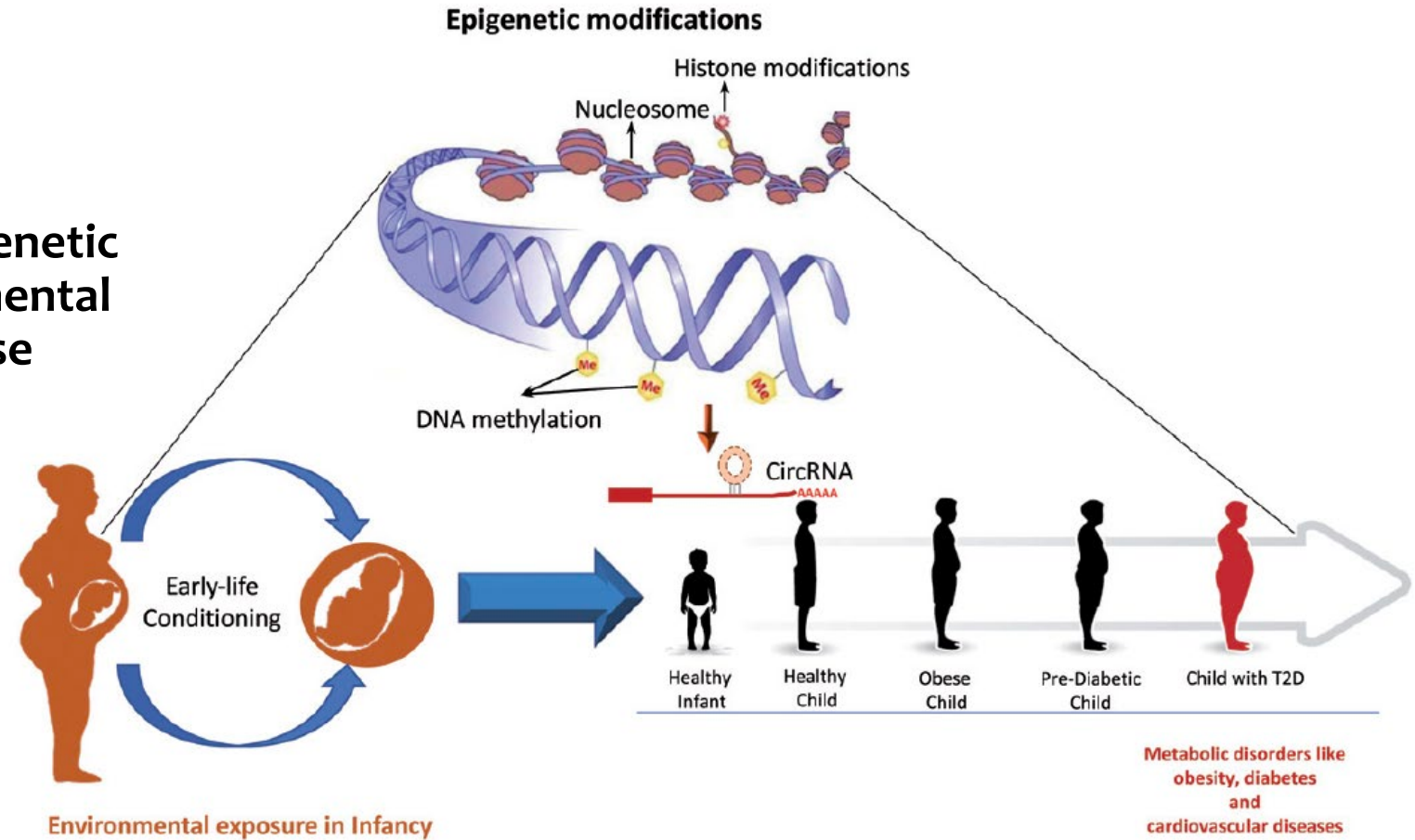
The multiple roles of life stress in metabolic disorders

Mika Kivimäki^{1,2}, Alessandro Bartolomucci^{3,4} and Ichiro Kawachi⁵





Diabetes during pregnancy and epigenetic mechanisms influence the developmental origins of cardiometabolic disease



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Loneliness increases the risk of type 2 diabetes: a 20 year follow-up – results from the HUNT study

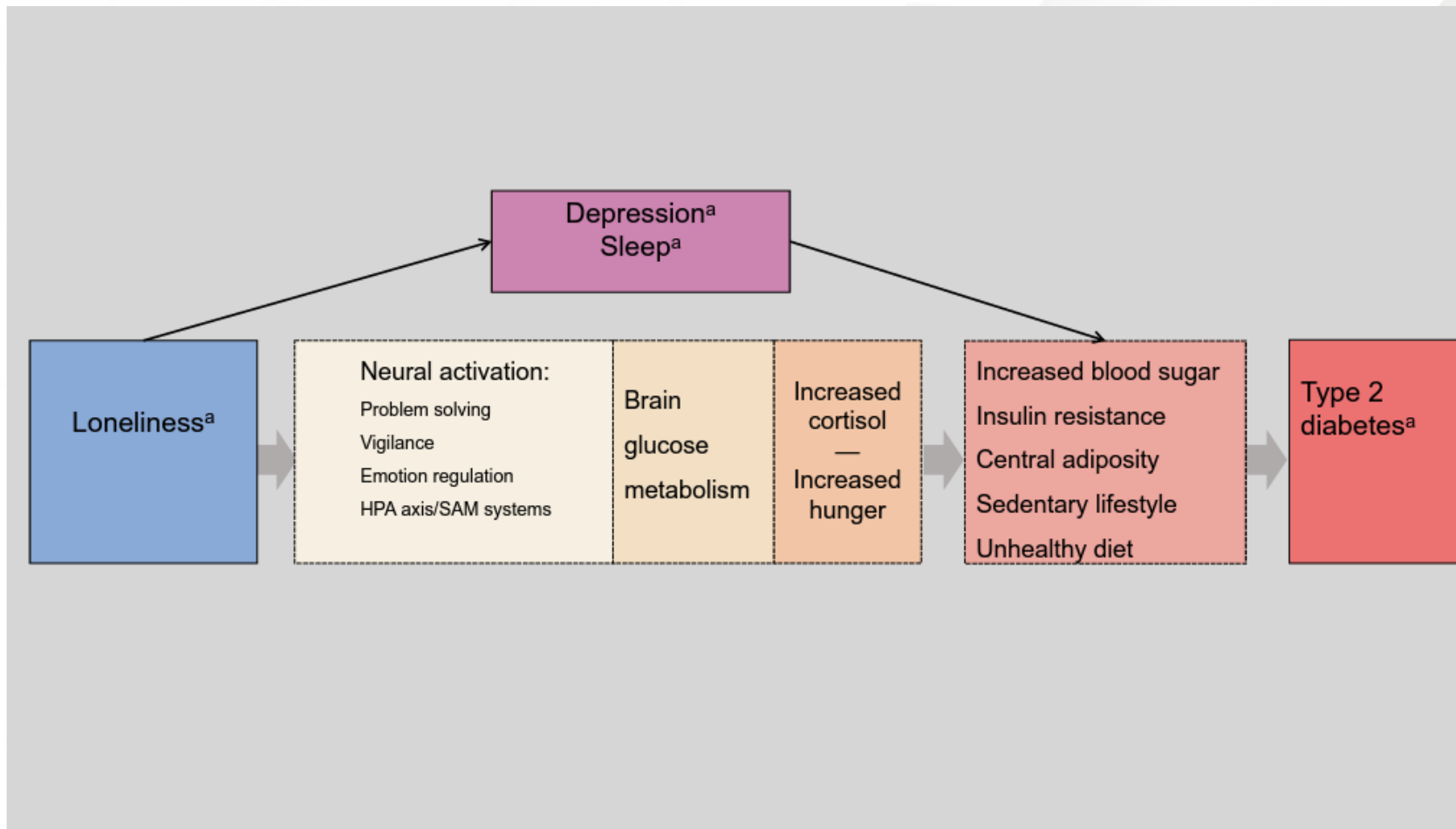
Roger E. Henriksen¹ • Roy M. Nilsen¹ • Ragnhild B. Strandberg¹

In the last 2 weeks, have you felt lonely?	No. of subjects	No. (%) with type 2 diabetes	Crude OR (95% CI) ^a	Adjusted OR (95% CI) ^b
No ^c	20,800	1002 (4.8)	1.00	1.00
A little	2633	139 (5.3)	1.10 (0.91, 1.33)	1.12 (0.92, 1.36)
A good amount	478	26 (5.4)	1.15 (0.76, 1.74)	1.08 (0.71, 1.63)
Very much	113	12 (10.6)	2.22 (1.19, 4.16)	2.19 (1.16, 4.15)
Per category change ^d			1.14 (1.01, 1.29) [0.032] ^e	1.13 (1.00, 1.28) [0.047] ^e



Loneliness increases the risk of type 2 diabetes: a 20 year follow-up – results from the HUNT study

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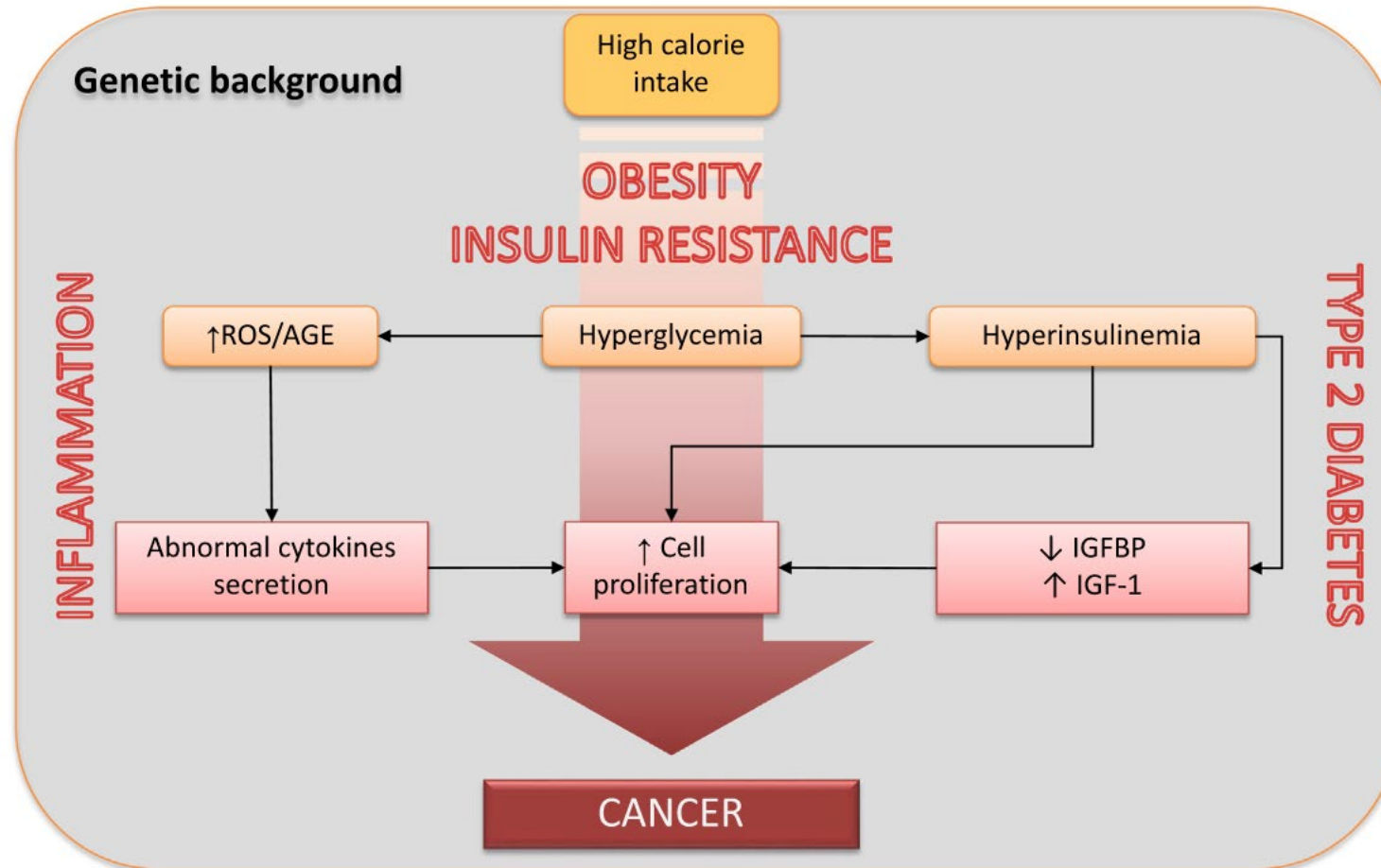


Invited review

Diabetes and cancer: Pathophysiological fundamentals of a 'dangerous affair'



Angelo Cignarelli, Valentina Annamaria Genchi, Irene Caruso, Annalisa Natalicchio, Sebastio Perrini, Luigi Laviola, Francesco Giorgino*



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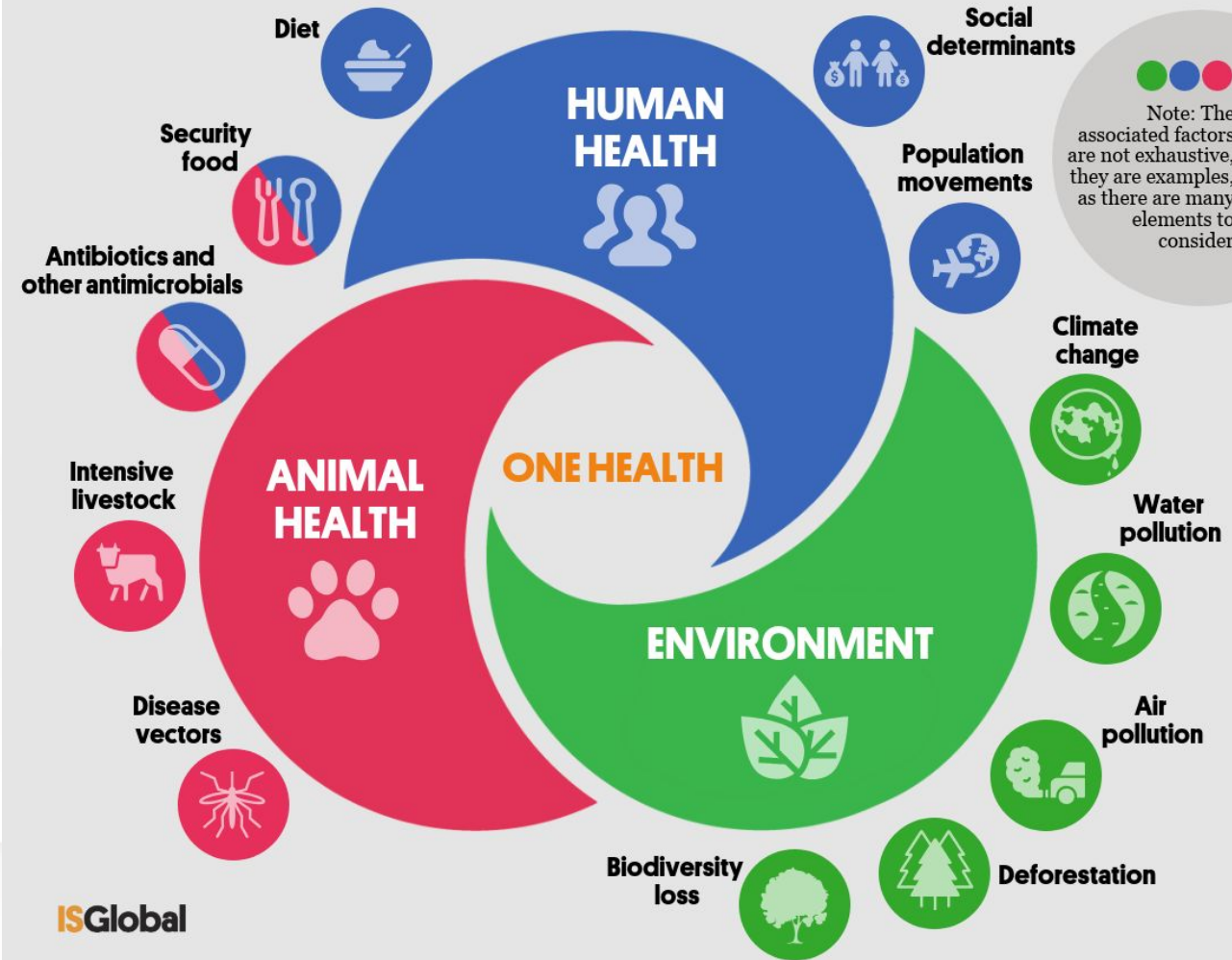


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ONE HEALTH

Human health and animal health are interdependent.
At the same time, both depend on the environment.



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**Glicemia
Lipidi
Pressione**

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