

EHMA 202-

Shaping and managing innovative health ecosystems

Impact of malnutrition risk on patient outcomes and hospital costs

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EHMA 2024

225 years of excellence in healthcare...



2023

FEVEREIR

- 01.02.2023: Fusão CHUPorto e HML Início CHUdSA
- * 10.02.2023: nomeação do CA do CHUdSA

MARC

 Apresentação de novo regulamento interno do CHUdSA, colocado à discussão pública

ABRI

 Encerramento de contas do exercício económico de 2022 das extintas entidades CHUPorto e HML

MA

- Aprovação do regulamento interno do CHUdSA, após discussão pública
- Apresentação do pedido de elaboração de Plano de Negócios para a constituição de uma ULS, com prazo de execução de 10 semanas

JUN

- Encerramento de contas do exercício económico de janeiro de 2023 das extintas entidades CHUPorto e HML;
- Início das reuniões de preparação do plano de negócios para a constituição de uma ULS, com os ACES Gondomar e Porto Ocidental

JULHO

- Preparação e apresentação do Plano de Atividades e Orçamento 2023 do CHUdSA, três semanas após a consolidação de contas das extintas entidades CHUPorto e HML
- Estruturação do Plano de Negócios da ULS Santo António
- Abertura de procedimento de recrutamento e seleção de dirigentes intermédios

AGOS

- Apresentação do Plano de Negócios da ULS Santo António
- * Homologação do Regulamento interno do CHUdSA
- Abertura de procedimento de recrutamento e seleção de dirigentes intermédios
- Apresentação do Orçamento 2024 CHUdSA

SETEMBR

 Início de reorganização funcional de algumas Direções de Recursos Partilhados

OUTUBRO

Aprovação do Plano de Atividades e Orçamento 2023 do CHUdSA

HOVEMBR

 Apresentação do Plano de Desenvolvimento Organizacional ULS SA 2024

DETEMBRO

· Preparação de processo de fusão CHUdSA com ACES





The International Declaration of Human Right to Nutritional Care Vienna, 2022

"It is universally recognized that, (...)

Disease-related malnutrition is a frequent condition caused by virtually any disease, with negative impact on a person's quality of life, increasing co-morbidities and mortality, and prolonging hospital stays, thereby resulting in unnecessary healthcare costs; therefore nutritional therapy must be administered by trained and competent health care personnel (Dietitians/nutritionists, nurses, doctors, pharmacists, etc.)"



There's room for improvement...



How healthcare payers can expand nutrition support for the food insecure*

by Tamara Baer, Matthew Isaacs, Alex Mandel, and Pradeep Prabhala

Poor nutrition is a meaningful health risk factor that affects six in ten adults with a chronic disease.

Across the United States, regions in which a larger percentage of the population does not get enough to eat on a regular basis tend to have higher rates of chronic illness such as diabetes, obesity, and hypertension.

The recent growth of nutritional support programs among US healthcare payers represents a significant step in the right direction for improving members' health and well-being.



How healthcare payers can expand nutrition support for the food insecure*

by Tamara Baer, Matthew Isaacs, Alex Mandel, and Pradeep Prabhala

While more research is needed to establish the relationship between nutrition and health (...) payers have a significant opportunity to build on the success of these programs, scale to wider populations, and address the rising societal challenge of food insecurity.

Beyond improving health outcomes for a vulnerable population, expanding nutrition benefits is also great business—with the potential not only to increase members' health and happiness but also to lower overall care costs and provide a point of differentiation in a highly competitive market.



Assumptions





Hospital discharges in 2021 and 2022

Age ≥ 18 years





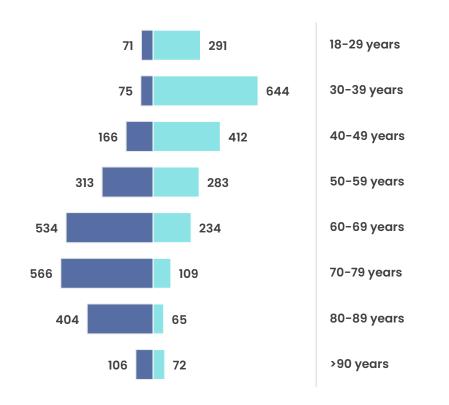
Complete NRS2002 Nutritional Risk Screening





Of the 4.345 inpatients screened:

- 728 with no Nutritional Risk
- 3.617 present Nutritional Risk



■ Male ■ Female

48% screened at Internal Medicine wards

76% admitted via ER

% readmission in 30 days: 21,1%

% readmission in 90 days: 33,8%



Average Age: 72 years

% Male: 51%



Managing the Most Expensive Patients*

5.477,32€ Inpatient

14.364,51 € Inpatient 8,7 days LOS

20,2 days LOS 5,2% Mortality

15,6% Mortality





5.477,32€ Inpatient 8,7 days LOS 5,2% Mortality

7.195,73 € No Risk

8,3 days

0,4%

15.807,38 €
Malnutrition
Risk

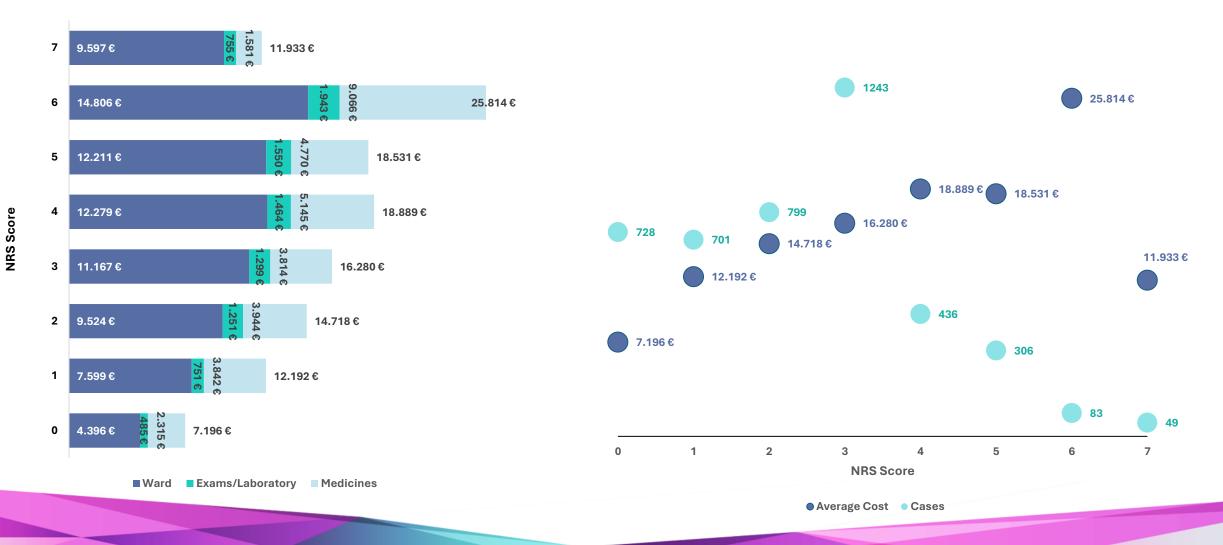
22,6 days

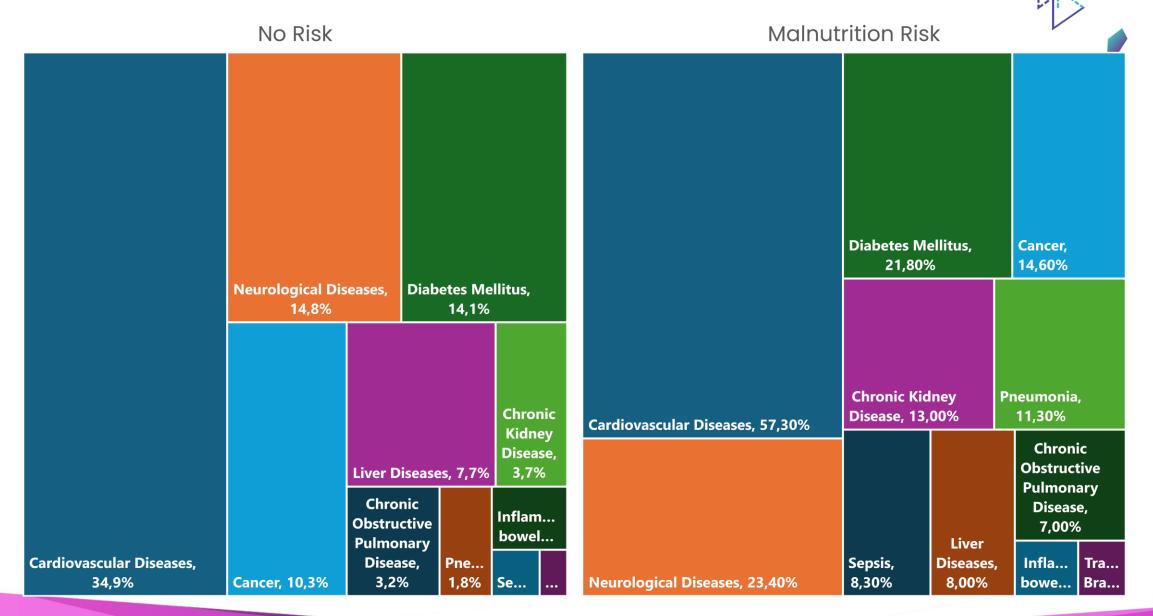
18,7%

*Pearl and Philip Madvig From the Magazine (January–February 2020) Robert

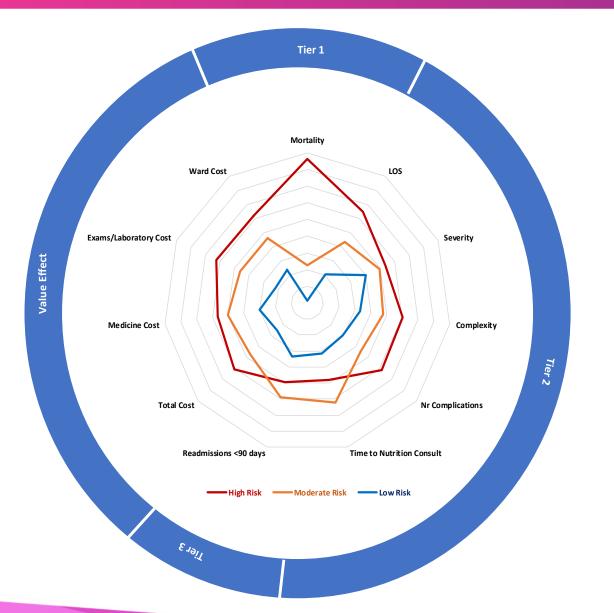


Cost Decomposition and Dispersion











Nutritional risk is associated to poorer outcomes and higher hospitalization LOS

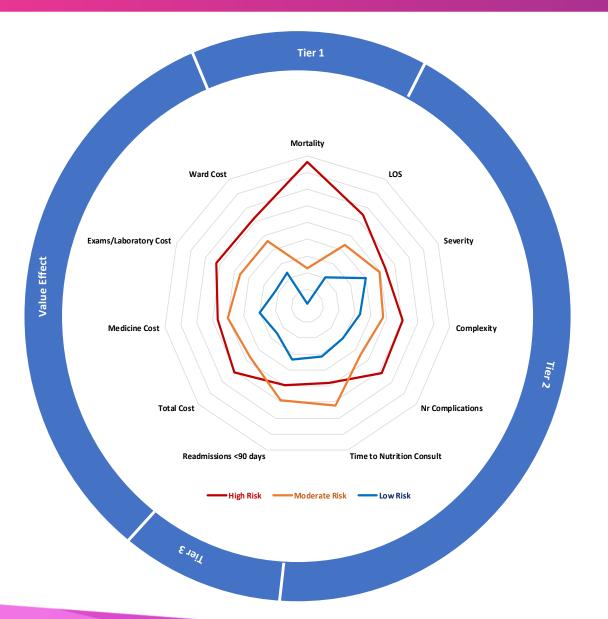


Mortality rate higher in patients with severe nutritional risk



Higher Incidence of complications







Nutritional risk is associated with higher readmissions

The higher the nutritional risk the higher the cost – medicine, exams/labs and ward



Where do we go from here?



Portuguese Health System 2024 reform, where primary and hospital care are integrated, with changes in financing to a capitation population-based system;



Opportunity to address DRM before hospitalization occurs and avoid the large prevalence of malnutrition risk on hospitalized population;



Where do we go from here?



Healthcare professional's lack of awareness of importance of nutritional care is a fact. Integrating Nutritional Care across care continuum and assuring its benefits for population disease burden is like the Columbus egg, that no one ever put on practice. It is innovative that in three years it may be possible to show practical results.





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Thank you

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