HEALTHCARE FINANCIAL MODELLING: managing implementation of Romanian`s beating cancer plan, targeted 2030

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CONTEXT

- The Romanian`s beating cancer plan for the period 2023-2030, approved by law no.298/2023, represents the main public policy document that underpins measures to prevent and to the fight against cancer.

- By the low was set-up a budget allocation up to 20% from the total public budget for health programs.

- For 12% of uninsured persons in Romania, cancer is a very expensive illness.

- Even with health insurance, many people are financially unprepared for the out-of-pocket expenses associated with their medical care.

METHODS

THE SCOPE OF FINANCIAL MODELLING

is to determine the transformations targeted by ambitious aim of Romanian`s beating cancer plan.

THE DEVELEPEMENT WAS IN CO-OPERATION WITH KEY STAKEHOLDERS

- Ministry of Health
- National Health Insurance House
- Romanian College of Physicians
- Ministry of Finance

- patients' associations
- oncology experts
- healthcare professions
- private health industry representatives.

METHODS

First step:

- We performed a **retrospective data analysis regarding services utilization for cancer** (prevention, diagnostic, treatment, rehabilitation and palliation services), **sources of funds for expenses with services** (public and private).

- Analysis of **current volume of health services, reimbursement methods, financial flow and total budget of expenditure in 2023.**

- Perform an analysis of **current distribution of health providers and their capacities, deficits per districts and regions, investments in oncology** (endowment of public health units of regional/county interest that diagnose and treat cancer, private investment in oncology hospitals).

METHODS

- In **second step**, we assess the **relevant changes in regulatory framework**, underlying the **gaps and areas for improvement**.

- The **next step**, using the different algorithms for modelling was created the **mechanism whereby the need for medical services is translated into actual expenditure** under the <u>alternatives scheme proposed by stakeholders</u>.

RESULTS

The model answered to questions such as:

- What would a planned volume of health services cost the system's financiers?

- How might costs change with modifications to level and type of health services, price-setting arrangements or eligibility criteria for health providers under the contracts with district insurance houses

RESULTS

- This financial modelling helped to better understand the financial capacity of health insurance and provided the **necessary tools to deal with the cost of cancer for all, consistent with the adopted health policies.**

- **The simulation** of different tariffs, level of services contracted, level of investments to cover the gaps in access and quality of care, **generated evidence for policies decision making process and facilitate communication between stakeholders.**

- For the next implementation years, the financial modelling will build on pre-existing work, evidence-based and continually evolve. Meanwhile, investment in digitization will enable the improvement of financial modelling tools with more data and it will become easy to measure transformations and major positive impact.

DISCUSSION

Ambitious goals of Romanian`s beating cancer plan, targeted to 2030, need continuing the stakeholder discussion towards its successful implementation.

- **Using the financial modelling on national, regional and local levels**, will allow **to find better ways to fight against cancer**, promising to reduce the burden of disease, tackle inequality and accelerate advances in personalised medicines?

- **How might costs for certain types of health care, develop in the future?**

THANK YOU

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