Erasmus MC Netherlands Institute for Health Sciences Amsterdam UMC

Impact of COVID-19 on clinical pathways for AMI, cancer and acute care

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OUTLINE



- 1. Background
- 2. Research Methods
- 3. Results



• 4. Take home messages

1. THE RELEVANCE AND CHALLENGES OF MONITORING THE IMPACT OF THE PANDEMIC ON REGULAR CARE

Disruption to essential health services



Excess mortality

COVID-19 global excess mortality

While **1 813 188 COVID-19 deaths** were reported in 2020, recent WHO estimates suggest an **excess mortality of at least 3 000 000.**

> 3.0m EXCESS MORTALITY (2020)

> > LOWER BOUND

1.8m REPORTED COVID-19 DEATHS (2020)

https://www.who.int/docs/default-source/coronaviruse/finalupdate_22-april-2021_summaryppt_ehs-pulse-survey_second-round.pdf?sfvrsn=a965e121_8 (accessed: 14-01-2022)

https://www.who.int/news-room/spotlight/the-impact-of-covid-19-on-global-health-goals (accessed: 14-01-2022)

1. THE RELEVANCE AND CHALLENGES OF MONITORING THE IMPACT OF THE PANDEMIC ON REGULAR CARE



Lack of strong national health information systems with national dataset linkages.



Few countries had data timely enough for decision-making.



International comparisons should be based on standardized

definitions and common data models.

2. METHODS - SCOPING REVIEW



6277 Studies screened



838 Studies included for full-text review



277 Studies included in the review



3. RESULTS

CARDIAC	CANCER	ACUTE
CARE	CARE	CARE







94 studies

135 studies

693 indicators

1150 indicators

1037 indicators

48 studies

3. RESULTS | STUDIES BY COUNTRY





3. RESULTS | INDICATORS' TRENDS Jan - June 2020



Undesirable trendDesirable trendStable





79%





Treatment changes reported (304 indicators from 50 articles) Change in palliative Patient's choice to Decrease in collaboration between centers treatment change treatment 0% 1% 1% Treatment postponement Change not specified 3% 0% Change in supportive treatment 3% Change in treatment "protocol" 13% No change in management Change in treatment 15% performed 64%



3. RESULTS | INDICATORS' DATA SOURCES



82%

4. TAKE HOME MESSAGES



What did we find?

- Changes in seeking care patterns
- Worsening of indicators throughout care pathways
- Adaptation and innovation



- Address backlog
- Develop indicators to monitor care pathways
- Improve data infrastructure & linkage
- Monitor continuity of care timely &

transparently in future crises

RESEARCH TEAM



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Thank you.