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IMAGiNE EURO: Data for action on quality of maternal and newborn care in 20 European countries during the COVID-19 pandemic

Synopsis

The contents of this page will be used as part of issue TOC only. It will not be published as part of main article.

A summary of the findings in the Supplement, highlighting the heterogeneity in reported quality of maternity care and inequalities  the European region.

EDITORIAL

IMAGINE EURO: Data for action on quality of maternal and newborn care in 20 European countries during the COVID-19 pandemic

Experience of care is an essential component of quality health care.¹ In 2016, the World Health Organization (WHO) launched “Standards for improving quality of maternal and newborn care in health facilities”, with domains inclusive of dignity, communication, autonomy, and emotional support.² A growing body of research highlights the importance of a positive care experience for women and providers, as well as the need for effective interventions to improve outcomes for women, newborns, and stillborn infants.^{3,4}

The early months of the COVID-19 pandemic were filled with many concerns from families, health workers, and public health experts.⁵ For maternal and newborn health, in addition to unknowns about SARS-CoV-2 susceptibility in pregnant women, vertical transmission, and disease severity among women and newborns, many questions arose about how to reduce transmission risk in maternal and newborn health facilities. In the face of uncertain and evolving scientific evidence, and in some cases insufficient protective equipment for patients and providers, different countries and health facilities took different approaches, with some implementing very restrictive policies.⁶ This was in addition to general lockdown policies limiting movement, work, transport and, more specifically in the health sector, reassignment of various health workers to COVID-19-related duties. In maternity care services,⁷ contrary to the WHO/UNICEF Baby-Friendly Hospital Initiative guidance, some of these restrictions included excluding a companion of choice and not allowing family members to visit, separation of mothers and newborns (even where COVID-19 had not been suspected), and discouraging breastfeeding.⁸⁻¹⁰

In addition, key dimensions of experience of care such as patient participation, emotional support, and attempts to reduce certain interventionist procedures of limited clinical value, were among the first aspects of care to be sidelined during the pandemic.¹¹ Although emotional support is widely recognized as being important to patient experiences and recovery,¹² many health authorities or facilities did not allow companions of choice or visits from family members, and some facilities routinely separated infants from parents in a, likely ineffective, effort to reduce transmission risk.¹³

While there have been previous studies from individual countries examining women's and families' experiences utilizing health-care services during the pandemic, IMAGINE EURO (Improving

MAternal Newborn carE In the EURO Region) was the first multi-country project in Europe to measure quality of maternal and newborn care during the pandemic using a uniform questionnaire based on the WHO maternal and newborn health standards. The project, coordinated by the WHO Collaborating Centre of the “Istituto di Ricovero e Cura a Carattere Scientifico” (IRCCS) Burlo Garofolo in Trieste, Italy, was developed specifically to answer questions about how well the WHO standards were met, and how maternal and newborn care practices in health facilities were impacted during the COVID-19 pandemic in Europe.

The IMAGINE EURO project developed, tested, and deployed two online surveys: one for women who gave birth during the COVID-19 pandemic (after March 1, 2020) and one for health workers providing maternal and newborn care in health facilities. The surveys included questions on sociodemographic characteristics, plus 40 questions based on the WHO standards in three categories: (1) provision of care; (2) experience of care; (3) and availability of human and physical resources, plus a fourth category of key organizational changes related to the COVID-19 pandemic (Table 1). Specifically, some elements included understanding which adaptations to care had the greatest impact on women and their maternity care experiences, identifying policy changes undertaken, and assessing multicountry variability in maternity services in response to COVID-19. The findings from these studies highlight what matters to women and how systems can adapt better during a disaster or a future health system shock, to ensure that the needs and wishes of women and their families are not only translated into improved quality of

TABLE 1 Domains captured by the IMAGINE EURO survey

Domain	Number of questions
Demographics	24 (not included in index)
Provision of care	10
Experience of care	10
Availability of human and physical resources	10
Organizational changes related to the COVID-19 pandemic (not based on WHO standards)	10

care generally, but also met during crises. The project also investigated the effects on health workers and working conditions and issues that were important to them for providing high-quality care (forthcoming in separate analyses).

The survey was available in 25 languages and widely distributed by institutions in network partner countries using targeted dissemination material. Descriptions of the methodologies for validation and data collection are described elsewhere.¹⁴ As of August 1, 2022, the IMAGiNE EURO network has collected over 60000 responses from women and about 4000 from health workers, from 44 countries in the WHO European Region (Figure 1). A first set of results, including findings from the first year of the pandemic in 12 countries, was published in 2021.¹⁵ The current Supplement includes a set of 10 in-depth papers, each drawing from the same large dataset, but focusing on different geographic regions or aspects of care. While data from the perspective of health workers will be published separately, this Supplement focuses on the perspectives of women, including an analysis of medicalization of birth, comparison of experiences in public versus private facilities, identification of the experiences of migrant women compared with their nonmigrant counterparts, and seven papers with in-depth analysis of specific country data from Slovenia, Croatia, Serbia, Bosnia and Herzegovina, Romania, Portugal, Latvia, Norway, Luxembourg, and Switzerland.

From seven national-level papers in this Supplement (which represent findings from 10 countries), two main themes emerge: (1) a wide heterogeneity in quality of care exists between countries, with those in higher-resource settings generally reporting higher quality of care, but still noting important quality gaps especially around informed

consent and autonomy; and (2) inequity exists within countries, with marginalized groups (including those who do not speak the dominant language) generally reporting worse experiences of care. The multi-country papers reveal wide heterogeneity in reported quality of care between and within countries and highlight weak links in the quality of consent and communication. Although none of the IMAGiNE EURO surveys included baseline comparisons from before the pandemic, they did include questions about perceived changes in healthcare experiences due to COVID-19. These reveal large differences across countries. National estimates can mask intracountry disparities,¹⁶ and this effect may have been exacerbated during the pandemic. Therefore, besides assessing availability of resources, it is imperative to understand differences in healthcare provision, experiences, and outcomes by socioeconomic and migrant status, among others.

The in-depth analyses presented in these papers reveal an alarmingly high prevalence of certain types of negative experiences. For example, over half the women reported an insufficient number of health workers; this has been documented in other studies and noted by maternal and newborn health workers themselves. Shortages of health workers have been identified in many settings before the emergence of COVID-19, but worsened systems everywhere. In another online global multicountry survey in health facilities during the pandemic, newborn care was found to be compromised because of challenges to the workforce: 85% of health workers reported fearing for their health and 89% reported increased stress.¹³ In a global survey of health workers in 71 countries, many providers believed their ability to provide respectful maternal and newborn care was limited by “compromised standards of care”, being “overwhelmed

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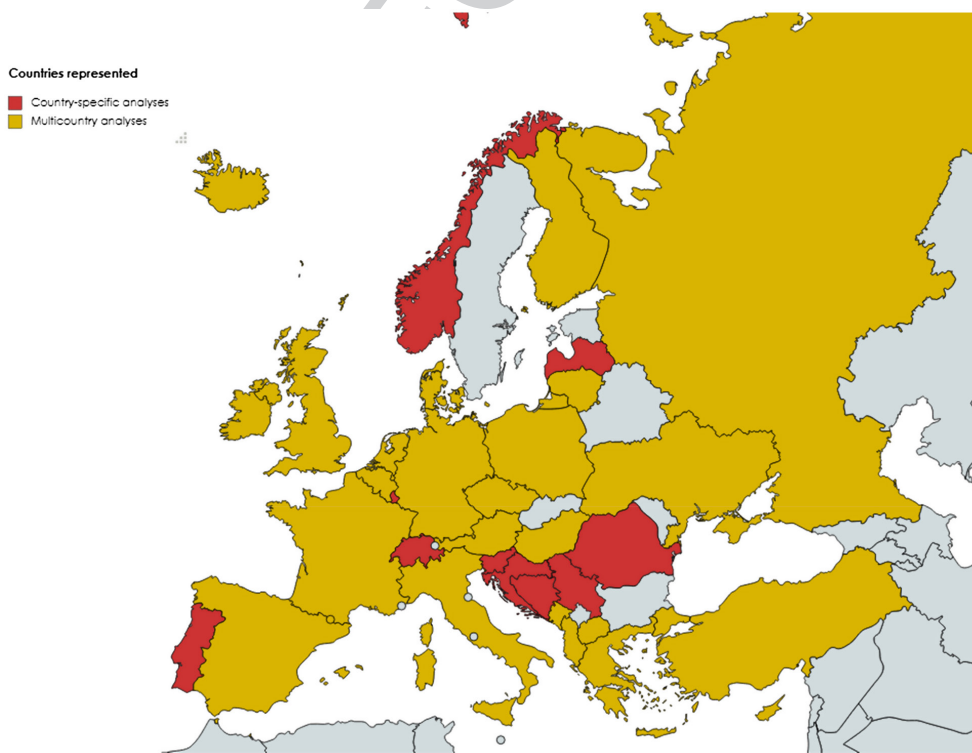


FIGURE 1 Map of countries participating in the IMAGiNE EURO study

1 by rapidly changing guidelines and enhanced infection prevention
2 measures", and the inability to provide the type of "emotional and
3 physical support" they would have wanted to.¹⁷ In many countries
4 in the IMAGiNE EURO survey, women perceived a reduction in qual-
5 ity due to the COVID-19 pandemic. For some countries, however,
6 quality index scores did improve between 2020 and 2021 (during
7 the pandemic), as health systems better balanced risk reduction and
8 maintenance of quality, and the introduction of the COVID-19 vac-
9 cine allowed for the loosening of some restrictions.¹⁸

10 Whether they were exacerbated by the pandemic or not, find-
11 ings on various quality issues from individual countries can help pin-
12 point areas where attention may be needed. For example, in Serbia,
13 over 25% of women reported having to give an informal payment,
14 and in Bosnia, over 30% of women reported experiencing some type
15 of abuse.¹⁹ In Latvia, over 70% of women reported receiving no in-
16 formation on neonatal danger signs at discharge²⁰; in one region of
17 Portugal, over 80% of women reported receiving fundal pressure.²¹
18 Routinely collecting accurate and updated data on the quality of ma-
19 ternal and newborn care from those providing and using maternity
20 services on their experiences of care provides an in-depth roadmap
21 for health researchers and policymakers to guide the necessary na-
22 tional quality improvements, which must be acted upon.

23 While pandemics and other shocks will undoubtedly challenge
24 health systems,²² those that have built trust through the provision of
25 respectful evidence-based care will be more prepared and resilient.
26 National health authorities should commit to upholding the WHO
27 standards, not only for maternal and newborn care, but for child and
28 adolescent health, and for every service user. This needs to be done
29 through a strong stewardship of the often-fragmented health sys-
30 tems in European countries, where the interests and priorities of the
31 various governmental agencies, health insurance companies, profes-
32 sional associations, and health facilities in various sectors (public,
33 social security, university and teaching hospitals, faith-based, for-
34 profit, etc) are not aligned under the same regulations and guide-
35 lines. Beyond studies such as IMAGiNE EURO and others, the onus
36 of shedding light locally on failures to provide evidence-based and
37 respectful maternal and newborn care, before, during, and after the
38 COVID-19 pandemic, continues to fall on women, their families, and
39 civil society organizations.

40 The papers in this Supplement are not without limitations: like
41 most online surveys, the sample of respondents is biased to those
42 with internet access, and with time and willingness to answer ques-
43 tions about their birth experience. Contextual factors that might be
44 specific to a country, district, or subpopulation may not have been
45 captured. Some distinctions were not possible in this dataset, such
46 as the medical indication for interventions reported, the severity of
47 certain co-morbidities, timing of individual SARS-CoV-2 infections, if
48 present, and the level of transmission risk and facility-level policies
49 (including in response to lockdowns) at given time periods. Finally,
50 as the survey does not include data from before 2020, comparisons
51 with a pre-pandemic baseline are not possible. However, this set of
52 analyses provides data from a standardized and validated question-
53 naire, with implementation of the survey in a wide range of countries

according to a specific dissemination plan, and translation into 25
languages. As institutions and partners from more countries join the
network, and more data are analyzed, more and more information
will become available to help guide quality improvement initiatives.

Attention is needed to ensure that women's voices are heard,
service user participation and informed consent are protected, and
experience of care is seen as equally important as the provision of
clinical care. Furthermore, even within higher-income countries, there
continue to be great disparities between subpopulations, often cor-
relating with poorer care for those who are most marginalized, dis-
advantaged, and discriminated against, across Europe and beyond.
These findings should help combat perceptions that quality of care is
always high in high-resource countries; in fact, there are shortcomings
in many dimensions of care such as communication, nondiscrimina-
tion, and deprioritization of maternal and newborn care in the context
of emergencies. Furthermore, there is an equivalent and urgent need
to listen to the experiences of health workers, as sustainable progress
is only feasible when each stakeholder is valued.

We have not yet recovered from the impact of COVID-19. This
Editorial was written in the summer of 2022 when unprecedented
heatwaves and droughts were affecting Europe, at the same time
as a military conflict resulting in 8 million displaced people, predom-
inantly women and children, was being felt across the continent.
Many countries still do not assure reproductive autonomy or uni-
versal health coverage, and few are well-prepared for upcoming
challenges to our health systems. The papers in this Supplement are
as much about the actions we need to take to protect the health of
women and newborns in the future, as they are about learning from
the not-too-distant pandemic past.

AUTHOR CONTRIBUTIONS

Emma Sacks wrote the first draft. Lenka Beňová, Joy E. Lawn, Wendy
Graham, Elise M. Chapin, Patience Afulani, Soo Downe, Tedbabe
Degefie Hailegebriel, and Ornella Lincetto provided substantial
comments and edits. All authors read and approved the final version.

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CONFLICT OF INTEREST

None to declare.

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