

# Gender-inclusive language in public-facing labor and delivery webpages in the New York City tristates : A Cross-sectional study

Sarah Mohsen Isaac, Mark Dawes, Emily Ruth Howell, Antonia Francis Oladipo

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#### Abstract

**Background:** Transgender and nonbinary individuals are increasingly becoming gestational parents, and hospital websites should reflect these trends. For prospective transgender parents, a hospital website is the only way patients can assess their safety from discrimination while receiving perinatal care. Cisnormativity enforced by communication gaps between medical institutions and transgender patients can and has caused delays in receiving urgent care during their pregnancy.

**Objective:** The aim of this study was to evaluate the current prevalence of gender-inclusive terminology among labor and delivery services in the New York City tristate area.

Methods: The labor and delivery webpages of 189 hospitals from New York, New Jersey, and Connecticut were examined for gender-inclusive language. "Fully inclusive" websites explicitly acknowledged Lesbian, Gay, Bisexual, Transgender, Queer, Intersex, Asexual plus other gender and sexual oriented (LGBTQIA+) patients, "inclusive" websites did not use gendered terminology for patients, and "non-inclusive" websites used gendered terms at least once in the text reviewed. The hospitals' webpages were further stratified by Healthcare Equality Index (HEI) scores and population classifications defined by the 2013 National Center for Health Statistics (NCHS) Urban-Rural classification given to the county that each hospital was located in.

Results: Of the 300 hospital websites reviewed and only 189 websites met criteria for inclusion.

Overall, only 6.3% (n = 12) of labor and delivery webpages were "inclusive" or "fully inclusive". No geographic areas (P = .61) or HEI score (P = .81) were associated with inclusive or fully inclusive language.

**Conclusions:** Hospitals need to utilize inclusive language to help gender-nonconforming people identify hospitals where their existence and needs are acknowledged and thus feel more comfortable in their transition to parenthood.

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## **Original Manuscript**

# Gender-inclusive language in public-facing labor and delivery webpages in the New York City tristates : A Cross-sectional study

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Short running title: Gender-inclusive language in NYC L&D webpages

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#### **Abstract**

#### **Background**

Transgender and nonbinary individuals are increasingly intentionally becoming pregnant to raise children, and hospital websites should reflect these trends. For prospective transgender parents, a hospital website is the only way prospective TGNB parents can assess their safety from discrimination while receiving perinatal care. Cisnormativity enforced by communication gaps between medical institutions and transgender patients can and has caused delays in receiving urgent care during their pregnancy.

#### **Objectives**

The aim of this study was to evaluate the current prevalence of gender-inclusive terminology among labor and delivery services in the New York City tristate area.

#### Methods

The labor and delivery webpages of 189 hospitals from New York, New Jersey, and Connecticut were examined for gender-inclusive language. "Fully inclusive" websites explicitly acknowledged Lesbian, Gay, Bisexual, Transgender, Queer, Intersex, Asexual plus other gender and sexual oriented (LGBTQIA+) parents, "inclusive" websites did not use gendered terminology for parents, and "non-inclusive" websites used gendered terms at least once in the text reviewed. The hospitals' webpages were further stratified by Healthcare Equality Index (HEI) scores and population classifications defined by the 2013 National Center for Health Statistics (NCHS) Urban-Rural classification given to the county that each hospital was located in.

#### Results

Of the 300 hospital websites reviewed, only 189 websites met criteria for inclusion.

Overall, only 6.3% (n = 12) of labor and delivery webpages were "inclusive" or "fully inclusive". No geographic areas (P = .61) or HEI score (P = .81) were associated with inclusive or fully inclusive language.

#### **Conclusions:**

Hospitals need to utilize inclusive language to help gender-nonconforming people identify hospitals where their existence and needs are acknowledged and thus feel more comfortable in their transition to parenthood.

#### **Keywords**

labor and delivery, OB-GYN, OBGYN, transgender, nonbinary, pregnancy, maternity, perinatal, transmasculine

#### Introduction

Within the last two decades, as transgender and gender nonconforming (TGNB) people have gained greater legal and social recognition, TGNB people who want to become pregnant have become increasingly more common, as have the number of families with same-sex, transgender, or nonbinary parents. [1] Despite this trend, the field of medicine has mostly maintained the heteronormative model of a "mother" and "father" as opposed to a more fluid, freeform reality that accompanies the rise of Lesbian, Gay, Bisexual, Transgender, Queer, Intersex, Asexual plus other gender and sexual oriented (LGBTQIA+) couples who raise children.

As pregnant TGNB people attend numerous prenatal visits, they make repeated contact with heterosexist healthcare systems without the ability to hide their transgender status. Pharr explains that heterosexism is not an active form of discrimination, but rather "…a belief that the world is and must be heterosexual."[2] According to the heterosexist worldview, every couple contains—or should contain—only two gender-conforming people of the opposite sex. [3]

Heterosexism works with homophobia to make healthcare inaccessible for LGBTQIA+ populations. Current literature has found that these parents and couples are often invalidated and marginalized throughout the healthcare process through obstacles like registration forms, comments from ancillary staff, and physicians who are unprepared to deal with LGBTQIA+ couples. [4-6] These experiences can take a deep mental/emotional toll—doubly so during the sensitive transition to parenthood. [7]

Beyond these mental health impacts, the invisibility of TGNB parents can negatively affect pregnancy outcomes. LGBTQIA+ patients were less likely to trust providers and divulge important medical information when they received heteronormative medical treatment. [8-9] Patients may also experience delays receiving urgent pregnancy care due to the systematic heterosexism built into the healthcare system.

For example, Parker et al. discusses the experiences of a transmasculine patient who was delayed in seeing the doctor because the receptionist argued that he was not the intended person. [6] These patterns are not limited to individual heterosexist healthcare workers, but also integrated into hospital software. Berger et al. describes another scenario where a transmasculine patient's care was delayed, this time because the hospital's electronic medical record [EMR] required that he re-register as female to document the pregnancy, regardless of his actual gender identity. [10] A delay in care to circumvent cisnormative systems can be dangerous for all pregnant TGNB people. Ultimately, discrimination has often necessitated that prospective TGNB parents discern a "safe" hospital before seeking care.

Historically, queer people have relied on word of mouth from their personal social circles to find safer healthcare. [11] However, younger queer people, especially ones without queer support networks, also rely on the internet to search for health information and queer-inclusive providers. [12-13] This vetting of hospitals, along with the increase of patient choice and consumerism for perinatal care in general, has prompted hospitals to advertise their unique benefits, such as low cesarean rates, "baby-friendly" designations, and private rooms. [14-19] Hospitals have tailored their advertisements for other demographics around them, but there is a dearth of literature showing how hospitals advertise their services for LGBTQIA+ populations, populations who rely on publicly available information to find inclusive care and preserve their health and safety. [20]

Purdie-Vaughns et al. point to purposeful word choice as one safety cue that, when recognized, signals protection from identity-based discrimination. [21] Hospitals might therefore attract pregnant LGBTQIA+ parents by crafting more inclusive obstetrical web pages. These pages could signal

inclusivity by explicitly referencing LGBTQIA+ care or by avoiding gender-exclusive language like "mother and baby," "mom," or presumptive she/her pronouns for parents. Through the words chosen on these public-facing web pages, hospitals thus enable parents to choose where to give birth where their existence is actively supported during the physically dangerous and psychologically difficult transition to parenthood.

The states surrounding New York City — New York (NY), New Jersey (NJ), and Connecticut (CT) — boast an exceptionally high population density of LGBTQIA+ individuals, who make up between 3% to 5% of the total adult population. [22] This geographical region is viewed as more LGBTQIA+-inclusive than average, so hospitals may have more incentive to provide inclusive care. [23-24] This study aims to evaluate the current prevalence of LGBTQIA+ inclusion and gender-inclusive terminology among online labor and delivery (L&D) service webpages in the tristate area.

#### **Methods**

#### **Study Design**

The targeted words used to assess gender-inclusiveness for this study were largely adapted from the Jennings et al. study of gender-inclusive language on National Health Service (NHS) websites. [25]

The official public-facing obstetric webpages of non-federal, short-term, acute care hospitals from Connecticut, New Jersey, and New York were analyzed (n = 300). Hospitals without labor and delivery services or web content describing these services were excluded (n = 189). Websites were reviewed from late November 2022 to January 2023.

Hospitals were categorized by state, 2013 National Center for Health Statistics (NCHS) Rural-Urban classification, and Healthcare Equality Index (HEI) score. The NCHS Rural-Urban classification is a tool used to identify urban and rural areas of the United States. It was used to analyze any association between urbanization and hospital LGBTQIA+ inclusiveness. The HEI Score is the national LGBTQIA+ benchmarking criteria that assesses healthcare facilities' policies and practices regarding equity and inclusion of LGBTQIA+ patients, visitors, and employees. It was also used to identify if there was any association between a hospital's publicly perceived LGBTQIA+ inclusivity and word choice on the web pages.

For each hospital, at least one webpage was examined alongside up to two additional pages as supplementation for language analysis. The gendered language used was recorded and analyzed by a single reviewer. The complete labor and delivery-related text was analyzed and the types of gendered language used were recorded. (Explicit discussion of related services, such as chestfeeding, within the same site was excluded.) Any non-gender-inclusive descriptors for the name of the building or third-party services were also excluded from analysis, as these are often not controlled by hospital administration.

#### **Language Analysis**

Each webpage was reviewed independently by the chief reviewer to minimize any discrepancies. Each hospital's labor and delivery webpage was rated as "fully inclusive," "inclusive," or "non-inclusive." "Fully inclusive" websites explicitly acknowledged LGBTQIA+ or gender-nonconforming parents. "Inclusive" websites did not use gendered terminology or pronouns for prospective parents. "Non-inclusive" websites used the terms "woman"/"women," "mom"/ "mother," other terms for women, "father"/ "dad," or she/her pronouns at least once in the text reviewed.

#### **Statistical Analysis**

Categories were analyzed using chi-square tests presented as frequencies with percentages. *P*-values < 0.05 were considered statistically significant, and all tests were two-sided. Ethics and IRB approval was not required since the study did not include human or animal subjects and all data were collected from publicly available websites.

#### Results

Of the 300 hospital websites reviewed, 111 hospital websites did not have a labor and delivery webpage or did not have content describing their labor and delivery services. Of the remaining 189 websites analyzed, 12 (6.3%) of them used fully inclusive or inclusive language (Table 1). Only one hospital (0.52%) was considered fully inclusive because it acknowledged "same-sex" couples in its L&D content. The most common non-inclusive terms used were "mom"/ "mother" (87.8%) or "woman"/ "women" (49.7%). No geographic areas (P = .61) or HEI scores (P = .81) were associated with inclusive or fully inclusive language (Table 2, Table 3).

Table 1. Labor and delivery webpages that used each type of language

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	Fully inclusive (%)	Inclusive (%)	Non-inclusive (%)	Total (%)
Websites	1 (0.5%)	11 (5.8%)	177 (93.7%)	189
Language Used			707	
woman/women	1 (1.1%)	0	93 (49.2%)	94 (49.7%)
mother/mom	0	0	166 (87.8%)	166 (87.8%)
she/her (parent)	0	0	42 (22.2%)	42 (22.2%)
she/her (staff)	0	0	9 (4.8%)	9 (4.8%)
synonyms for	1			
women (ladies etc.)	0	0	1 (0.5%)	1 (0.5%)
fathers/dads	0	0	33 (17.5%)	33 (17.5%)

Table 2. Summary of HEI Score and gender-inclusive language used on L&D pages

	Fully inclusive (%)	Inclusive (%)	Non-inclusive (%)	Total (%)
HEI Score = 100%	0 (0%)	5 (45.5%)	60 (33.9%)	65 (34.8%)
HEI Score < 100%	0 (0%)	1 (9.1%)	25 (14.1%)	26 (13.9%)
HEI Score N/A	1 (100%)	5 (9.1%)	92 (52.0%)	98 (52.4%)

**HEI:** Healthcare Equality Index

L&D: labor and delivery

Table 3. Summary of gender-inclusive language used on L&D pages and population data

	Fully inclusive (%)	Inclusive (%)	Non-inclusive (%)	Total (%)
Large Central Metro	0 (0%)	6 (54.5%)	53 (30.6%)	59 (31.2%)
Large Fringe Metro	0 (0%)	3 (27.3%)	65 (37.6%)	68 (36.0%)
Medium Metro	1 (100%)	1 (9.1%)	31 (17.9%)	33 (17.5%)
Small Metro	0 (0%)	0 (0.0%)	7 (4.0%)	7 (3.7%)
Micropolitan	0 (0%)	1 (9.1%)	17 (9.8%)	18 (9.5%)
Noncore	0 (0%)	0 (0%)	4 (3.9%)	4 (2.1%)

#### **Discussion**

These results demonstrate there is a large barrier for TGNB parents to search and identify potentially inclusive pregnancy care. Out of the 12 inclusive and fully inclusive Labor and Delivery webpages, 92% were inclusive not because they included gender-additive language or LGBTQIA+ topics, but rather because they omitted the pregnant person's gender altogether by addressing the reader in the second person. The website designers-may have been inclusive not by intention, but by coincidence. In stark contrast, there are multiple private Reproductive Endocrinology and Infertility (REI) clinics that specifically target LGBTQIA+ couples using specific gender-inclusive language on their websites. [27] TGNB parents who are accustomed to a purposefully inclusive experience during their fertility journey and early pregnancy may be caught off guard by the sudden invisibility of their identities as they progress further through their pregnancy.

Interestingly, none of the hospitals that are touted acknowledged for their excellence in LGBTQIA+ care in other specialties discussed serving prospective TGNB parents for L&D care on their websites. This likely reflects a wider societal trend of "repronormativity," by which society at large does not recognize reproductive sex between TGNB parents as possible or legitimate. [26]

The accessibility of online websites and platforms to find services and connect to similar parents. Our above findings suggest less than 10% of hospitals use gender-inclusive language when representing their services. Thus, TGNB parents who are not connected to a wider LGBTQIA+community may struggle to find inclusive prenatal care and delivery services due to the lack of representation.

#### **Limitations**

The use of multiple surrogate endpoints may limit this study. The analyzed webpages, while used as a proxy for culture in labor and delivery departments, may not fully represent institutional attitudes and practices once parents start using their providers. This is exacerbated by delays between institutional attitude changes and hospital website updates. HEI scores were ineffective in predicting hospitals' webpage LGBTQIA+ inclusivity because HEI scores are determined purely through institutional measures like nondiscrimination policies; they do not directly address subtler,

underlying heterosexism that hopeful TGNB parents try to avoid in their healthcare. Finally, the methodology used in this study makes it impossible to establish a causal link between gendered terminology and the quality of LGBTQIA+ inclusive care.

Additionally, it is important to note that individual TGNB people may feel varying levels of dysphoria around maternal terms; some TGNB parents may not consider the words "mom" or "mother" to be exclusively for women. However, using gender-inclusive language and terminology is an important step towards providing a more welcoming and inclusive environment for TGNB parents, regardless of those individuals' personal dysphoria triggers.

#### **Conclusions**

Utilizing gender-inclusive language and terminology is the first step towards providing a more welcoming and inclusive environment for pregnant TGNB parents. Hospitals that want to be recognized as more LGBTQIA+-inclusive can integrate gender-additive language into their L&D webpages (e.g., "mothers and birthing parents') rather than omit mentions of gender entirely. [28] United States hospitals should consider expanding this language to meet the needs of a growing group of people who are having children. Future research should be done including LGBTQIA+ patient advocate groups, on the use of inclusive language within healthcare providers' obstetrical and gynecology departments, specifically in labor and delivery units, and on how this language impacts TGNB parents' health outcomes and rapport with physicians.

Table 4. Examples of Suggested Gender-Inclusive Language

Gender-Noninclusive Language	Gender-Inclusive Language
"Mothers"	"Birthing parents" OR "Women and birthing
	parents"
"Pregnant Woman"	"Pregnant patient" OR "pregnant person"
"Mother and Baby Unit"	"Maternity unit, birthing unit"

#### **Acknowledgments**

None

#### **Conflicts of Interest**

None declared

#### **Abbreviations**

HEI: Healthcare equality index

L&D: Labor & Delivery

LGBTQIA+: Lesbian, gay, bisexual, transgender, queer, intersex, and asexual and plus identities

NCHS: National Center for Health Statistics

TGNB: transgender and nonbinary

REI: Reproductive Endocrinology & Infertility

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## **Supplementary Files**

## **Multimedia Appendixes**

List of hospitals reviewed for analysis, along with a list of hospitals where labor and delivery pages were missing for various reasons.

URL: http://asset.jmir.pub/assets/1a24a4d8f43d78d732ce62cc34e11b77.xlsx