

## CORONEOLOGISMS AND THE DYNAMICS OF CRISIS-DRIVEN LEXICAL INNOVATION: A MORPHOSEMANTIC AND SOCIOCULTURAL INVESTIGATION

*Nasirova Moxigul Furkatovna*

[moxigul.nasirova87@mail.ru](mailto:moxigul.nasirova87@mail.ru)

*A senior teacher of Samarkand state institute of foreign languages*

### **Abstract**

*This article investigates coroneologisms, a subset of neologisms emerging during the COVID-19 pandemic, through a multi-dimensional linguistic framework integrating morphosemantics, discourse analysis, and sociocultural semiotics. The pandemic accelerated lexical innovation at a historically exceptional rate, producing terminology that spans technical, bureaucratic, colloquial, humorous, and stigmatizing domains. Drawing upon corpus-based analysis and theoretical insights from lexical innovation, morphological productivity, and crisis linguistics, this study demonstrates that coroneologisms constitute a dynamic linguistic system characterized by rapid diffusion, high semantic density, and strong indexical functions. The findings reveal that coroneologisms serve not only as lexical responses to epidemiological realities but also as symbolic resources for identity construction, political alignment, emotional regulation, and the socio-narrative framing of global uncertainty.*

**Key words:** *technological, social, medical, novel pandemic-specific meanings, pandemic, semantic, linguistic innovation, digital.*

### **Аннотация**

*В данной статье исследуются корониологизмы, подмножество неологизмов, возникающих во время пандемии COVID-19, посредством многомерной лингвистической структуры, интегрирующей морфосемантику, дискурсивный анализ и социокультурную семиотику. Пандемия ускорила лексические инновации с беспрецедентной в истории скоростью, породив терминологию, охватывающую технические, бюрократические, разговорные, юмористические и стигматизирующие сферы. Опираясь на корпусный анализ и теоретические положения лексической инновации, морфологической продуктивности и кризисной лингвистики, исследование показывает, что коронеологизмы представляют собой динамическую лингвистическую систему, характеризующуюся быстрым распространением, высокой семантической плотностью и ярко выраженными индексальными функциями. Результаты*

свидетельствуют о том, что коронеологизмы служат не только лексическими ответами на эпидемиологические реалии, но и символическими ресурсами для конструирования идентичности, политического позиционирования, эмоциональной регуляции и социально-нарративного оформления глобальной неопределенности.

**Ключевые слова:** технологические, социальные, медицинские, новые пандемические значения, пандемия, семантические, лингвистические инновации, цифровые.

**Annotatsiya:** Ushbu maqola COVID-19 epidemiyasi davrida paydo bo'lgan neologizmlarning bir qismi bo'lgan koroneologizmlarni o'rganish uchun morfosemantika, diskurs tahlili va ijtimoiy-madaniy semiotikani birlashtirgan ko'p qirrali lingvistik asosni o'rganadi. Pandemiya texnik, byurokratik, so'zlashuv, kulgili va stigmatik sohalarni kesib o'tuvchi tilni yaratdi, bu esa leksik innovatsiyalarni ilgari kuzatilmagan darajada tezlashtirdi. Ushbu tadqiqotda korpusga asoslangan tahlil va inqirozli tilshunoslik, leksik innovatsiya va morfologik mahsuldorlik bo'yicha nazariy ma'lumotlardan foydalanib, koroneologizmlar kuchli indeks funksiyalari, yuqori semantik zichlik va tez tarqalishga ega bo'lgan dinamik lingvistik tizimni tashkil etishini ko'rsatadi. Natijalar shuni ko'rsatadiki, koroneologizmlar epidemiologik faktlarga lingvistik javob bo'lishdan tashqari, o'ziga xoslikni shakllantirish, siyosiy muvofiqlashtirish, hissiy nazorat va global noaniqlikni ijtimoiy-narrativ shakllantirish uchun ramziy manba vazifasini bajaradi.

**Kalit so'zlar:** texnologik, ijtimoiy, tibbiy, pandemiyaga oid yangi ma'nolar, pandemiya, semantik, lingvistik yangilik, raqamli.

## Introduction

Periods of collective crisis historically induce accelerated linguistic change, yet the COVID-19 pandemic represents a uniquely globalized and digitally mediated moment of lexical expansion. The emergence of *coroneologisms*—a term denoting pandemic-related neologisms—reflects the interaction between biomedical discourse, mass media dissemination, and everyday social communication. Unlike typical neological waves that unfold over decades, the COVID-19 era produced thousands of new lexical items within weeks, with unprecedented synchronicity across languages due to transnational information flow.

This paper seeks to provide an advanced account of coroneologisms, addressing three core research questions:

1. What morphosemantic mechanisms dominate the formation of coroneologisms?
2. How do coroneologisms circulate and stabilize within pandemic discourse ecosystems?
3. What sociocultural, ideological, and affective functions do they perform?

## Literature Review

Newmark defines neologisms as emergent lexical units or semantic innovations shaped by cultural, scientific, or technological shifts [12,p. 143]. Bauer's distinction between stable neologisms and ephemeral nonce formations underscores the role of productivity and community uptake [2,p. 63].

The 1918 influenza pandemic, SARS (2003), and Ebola (2014) produced limited but notable neological bursts; however, none approached the digital-era scale of COVID-19 lexical innovation. Scholars such as Braber (2021) and Fidler (2022) note that crisis discourse foregrounds metaphors of war, containment, and surveillance, shaping the semantic framing of public health responses.

Algeo argues that lexical expansion intensifies during periods of rapid technological or cultural change [1,p.184].

Yule highlights collective novelty as a catalyst for neological productivity (*Study of Language*, [14,p. 214]).

Lehrer's semantic-field theory asserts that lexical innovation corresponds with collective categorization needs [9, p. 98]. During COVID-19, new semantic clusters emerged around epidemiology, hygiene, remote work, digital education, and social restrictions—constituting a macro-field of coroneologisms that extends beyond technical vocabulary.

## Methodology

This study employs a triangulated methodological approach:

### a) *Corpus Linguistics*

A dataset of 2.4 million pandemic-era tokens was extracted from the Coronavirus Corpus, supplemented by Twitter, Reddit, and BBC COVID archives. Frequency counts, collocation patterns, and contextual concordances were analyzed.

### b) *Morphosemantic Analysis*

Terms were categorized into morphological processes (blending, compounding, affixation, clipping, conversion) and semantic innovations (metaphorization, resemanticization, euphemization, pejoration).

### c) *Critical Discourse Analysis (CDA)*

Connections between lexical choice and ideological positioning (e.g., pro-science vs. conspiratorial discourse) were examined. Special attention was given to stigma-bearing coroneologisms such as *covidiot*, *plandemic*, and *anti-masker*[10, p. 89].

### Analysis

The following Morphological Productivity in Coroneologisms are analyzed:

#### 1. Blending

Blends such as *covidiot* (covid + idiot), *quarantini* (quarantine + martini), and *infodemic* (information + epidemic) reveal high playful productivity. These forms simultaneously encode evaluation, emotion, and humor.

#### 2. Compounding

Compounds dominate formal and bureaucratic discourse: *social distancing*, *contact tracing*, *lockdown*, *fatigue*, *vaccine*, *passport*. They exhibit compositional semantics and rapid institutionalization.

#### 3. Derivation

Prefixes such as *anti-*, *pre-*, *post-* and suffixes such as *-er* (*anti-masker*, *doomscroller*) mark ideological or behavioral categories.

#### 4. Semantic Shifts

Ordinary words acquired novel pandemic-specific meanings: *bubble* (restricted social group), *essential* (critical worker classification), *isolation* (public health measure). The emergence of coroneologisms during the COVID-19 pandemic can be mapped across five major semantic fields, each representing different aspects of public life reshaped by the crisis. These fields highlight how linguistic innovation mirrors shifting social priorities, public anxieties, institutional responses, and digital practices.

#### 1. Biomedical Lexicon

This field encompasses scientific, epidemiological, and clinical terminology that gained rapid mainstream usage due to the pandemic. Words previously confined to medical literature—such as *viral load*, *asymptomatic transmission*, and *PCR cycle threshold*—became part of everyday conversation. These terms reflect the public's intensified engagement with scientific discourse, largely driven by the need to understand modes of infection, diagnostic procedures, and risk levels. Moreover, biomedical coroneologisms often served an educational function, functioning as linguistic tools that empowered non-specialists to interpret evolving health information. New phrases such as *breakthrough infection*, *long COVID*, and *immunity waning* further enriched this domain.

#### 2. Governance and Policy

A second semantic field involves terminology related to government response, public health regulations, and institutional control mechanisms. Words such as *lockdown*, *shelter-in-place*, and *circuit-breaker* describe state-mandated interventions aimed at controlling viral spread. The rapid diffusion of such terms highlights how governance became linguistically visible, as citizens worldwide adapted to unprecedented regulatory measures. Additional expressions—*border closure*, *mask mandate*, *vaccination rollout*, and *quarantine corridor*—reflect policy complexities and differences across national contexts. These coroneologisms also carry ideological weight, often shaping public perceptions of governmental authority.

### 3. Socio-Behavioral Field

This field includes vocabulary describing new norms of everyday life shaped by health recommendations. Terms such as *masking*, *social distancing*, and *self-isolate* encode behavioral expectations and collective responsibility. The socio-behavioral lexicon also expanded through expressions like *bubble system* (restricted social group), *six-foot rule*, *hand-sanitizing station*, and *contactless delivery*. These terms normalized altered interpersonal habits and provided linguistic labels for behaviors that previously did not exist on such a wide scale. The lexical field demonstrates how language mediated the transition from pre-pandemic to pandemic social conduct.

### 4. Digitalization and Labor Transformation

As work, education, and communication migrated online, a vast lexicon emerged to describe digital life. Terms such as *Zoom fatigue*, *remote-work ecology*, and *hybrid learning* articulate new modes of participation in virtual environments. This field also includes *virtual classroom*, *online proctoring*, *telehealth appointment*, and *asynchronous instruction*. These coroneologisms reflect how digital platforms became essential infrastructures during lockdowns, reshaping professional and academic practices. They also capture the emotional and physical strain associated with extended screen-mediated interaction, highlighting the intersection between technology and well-being.

### 5. Humor, Slang, and Social Critique

The final semantic field involves informal, playful, or critical expressions that emerged as coping strategies or forms of social commentary. Words like *covid toes*, *quarantine-baking*, and *covid brain* illustrate how humor was used to process stress, boredom, and uncertainty. This domain extends to *doomscrolling*, *quarantini*, *coronabod*, and *covidiot*, each encoding either emotional relief, personal struggle, or social critique. Humor-driven coroneologisms played an important psychological role by reducing anxiety and strengthening a sense of community. At the same time, critical terms—

such as *mask-shamer* or *anti-masker*—reflect social tensions and ideological divisions intensified by the pandemic[5,p.201].

## Results

Corpus analysis conducted across multiple pandemic-era datasets reveals a striking surge in linguistic innovation during 2020–2022, with measurable increases across several word-formation processes. Most notably, blending—already a productive mechanism in informal English—showed a **65% increase** compared to pre-pandemic corpora, a rise observed consistently across English-Corpora.org datasets and independent analyses of Twitter and Reddit language patterns. This rapid growth reflects the emergence of culturally loaded blends such as *covidiot*, *quarantini*, and *infodemic*, which combined humor, criticism, and scientific terminology in compact morphological forms[4, p.45].

Similarly, the frequency of compounding rose by approximately **40%**, especially in formal and institutional discourse. Compounds like *social distancing*, *vaccine mandate*, *remote learning*, and *contact tracing* displayed high stability and global adoption, demonstrating how the pandemic accelerated the creation of multiword lexical units to accommodate new administrative and medical concepts. Such a sharp rise in compounding is rare in non-crisis periods and underscores the need for rapid terminological expansion to capture evolving public health measures.

Lexical frequency analysis further shows that lockdown, quarantine, and PCR test ranked among the top 200 newly high-frequency lexical items in 2020, based on the Coronavirus Corpus and the NOW Corpus updates. These terms moved from specialized or low-frequency items to everyday vocabulary in a matter of weeks. The term *PCR test*, originally restricted to laboratory discourse, demonstrated one of the highest year-to-year frequency jumps ever recorded for a scientific term in English digital corpora[4,p.76].

In the domain of digital-life vocabulary, *Zoom fatigue* exhibited an extraordinary 3200% frequency increase during April–August 2020, according to concordance data from the NOW Corpus and Google Books Ngram provisional COVID datasets. This exponential growth mirrors the sudden shift to remote work and education, where digital fatigue quickly became a globally recognized social phenomenon.

Finally, the institutionalization of pandemic terminology is evident in lexicographic developments: by 2021–22, major dictionaries—including the Oxford English Dictionary, Merriam-Webster, and Collins—had added or updated entries for terms such as *lockdown*, *long COVID*, *hybrid learning*, *social distancing*, and *superspreader*. This rapid institutional uptake confirms that many coroneologisms have transitioned

from ephemeral crisis vocabulary to stable and permanent components of the contemporary English lexicon.

Cross-platform corpus data demonstrate that terms such as *lockdown* and *social distancing* attained global diffusion within days, not months—an unprecedented synchrony facilitated by digital media.

Technical and bureaucratic coroneologisms (*PCR test*, *remote learning*) have become embedded in dictionaries, policy documents, and academic literature.

Coroneologisms function as cultural signifiers, shaping narratives about danger, responsibility, and morality [4, p.12].

## Conclusion

Coroneologisms exemplify a unique and theoretically important case of crisis-induced vocabulary development. Their emergence illustrates the increased productivity of English amid global pressures, the interaction between biomedical authority and digital communication, the function of language in addressing fear, uncertainty, and social cohesion, the politicization of word choice in public health discussions, and the potential long-term integration of pandemic-derived terms into the core lexicon. Coroneologisms ought to be regarded not simply as transient additions but as structural indications of how language groups adjust to global crises. Future research should investigate post-pandemic semantic erosion, cross-linguistic borrowing, and multilingual diffusion trends.

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