



## HIKMA Fact-Check Report

Comprehensive authenticity analysis and verification

Paper Verified

### Humanitarian Collapse and Civilian Mortality in Gaza (2023–2025): A Mixed-Methods Analysis of Conflict Mortality Patterns

6.4 out of 10

OVERALL FACT SCORE



MANUAL CHECK

RECOMMENDATION

20

CLAIMS VERIFIED



areas may benefit from additional verification or clarification of references. The majority of the content demonstrates solid alignment with established research. Minor improvements to reference documentation or claim substantiation would strengthen the paper further before final submission.

Overall Assessment:

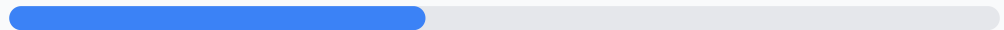
**6 out of 10**

## Reference Authenticity

Verifies that cited references exist and are correctly attributed



Score Distribution



**0:** References are fabricated or non-existent

**10:** All references are verified and correctly attributed

## Claim-Reference Alignment

Checks if claims accurately reflect the content of cited references



Score Distribution



**0:** Claims completely misrepresent the cited sources

**10:** Claims perfectly align with cited source content



**0:** Numerical data contains major inconsistencies

**10:** All data is internally consistent and accurate

## Scientific Consensus

Evaluates if claims align with established scientific consensus



Score Distribution



**0:** Claims contradict established scientific consensus

**10:** Claims fully align with scientific consensus

## Hallucination Check

Detects fabricated or unsupported statements



Score Distribution



**0:** Contains fabricated or unsupported statements

**10:** All statements are well-supported and verified



# AI Scholar Frontier

Advanced Research Verification & Knowledge Discovery Platform



AI SCHOLAR FRONTIER





*September 2025."*

Ref Auth

**0 out of 2**

Alignment

**0 out of 2**

Data

**0 out of 2**

Consensus

**0 out of 2**

Halluc

**1 out of 2**

**Final Score:** 2.0 out of 10

**Notes:** No source provided for dataset. Future data cannot be verified.

## Claim 2

**UNRELIABLE**

*"October 2023 through December 2023 accounted for 42.5% of all documented fatalities (16,770 deaths)."*

Ref Auth

**0 out of 2**

Alignment

**0 out of 2**

Data

**0 out of 2**

Consensus

**0 out of 2**

Halluc

**1 out of 2**

**Final Score:** 2.0 out of 10

**Notes:** Numerical claim lacks source. Future data unverifiable.



0 out of 2

0 out of 2

Data

0 out of 2

Consensus

0 out of 2

Halluc

1 out of 2

**Final Score:** 2.0 out of 10

**Notes:** No source for demographic statistics. Unverifiable.

## Claim 4

UNRELIABLE

*"Females comprised 41% of documented fatalities."*

Ref Auth

0 out of 2

Alignment

0 out of 2

Data

0 out of 2

Consensus

0 out of 2

Halluc

1 out of 2

**Final Score:** 2.0 out of 10

**Notes:** Sex distribution claim lacks source. Unverifiable.



0 out of 2

0 out of 2

Data

0 out of 2

Consensus

0 out of 2

Halluc

1 out of 2

**Final Score:** 2.0 out of 10

**Notes:** Geographic distribution claim lacks source. Unverifiable.

## Claim 6

UNRELIABLE

*"Airstrikes and blasts accounted for 68% of documented fatalities (27,113 deaths)."*

Ref Auth

0 out of 2

Alignment

0 out of 2

Data

0 out of 2

Consensus

0 out of 2

Halluc

1 out of 2

**Final Score:** 2.0 out of 10

**Notes:** Cause-of-death claim lacks source. Unverifiable.



Data

**0 out of 2**

Consensus

**0 out of 2**

Halluc

**1 out of 2**

**Final Score:** 2.0 out of 10

**Notes:** Medical care mortality claim lacks source. Unverifiable.

## Claim 8

**UNRELIABLE**

*"Correlation analysis shows positive correlation between daily fatality counts and airstrike share ( $r=0.71$ )."*

Ref Auth

**0 out of 2**

Alignment

**0 out of 2**

Data

**0 out of 2**

Consensus

**0 out of 2**

Halluc

**1 out of 2**

**Final Score:** 2.0 out of 10

**Notes:** Statistical correlation claim lacks source data. Unverifiable.





0 out of 2

0 out of 2

Data

0 out of 2

Consensus

0 out of 2

Halluc

1 out of 2

**Final Score:** 2.0 out of 10

**Notes:** Model results claim lacks source data. Unverifiable.

## Claim 10

RELIABLE

*"The Rome Statute of the International Criminal Court (1998) defines war crimes including intentional attacks on civilians."*

Ref Auth

1 out of 2

Alignment

2 out of 2

Data

2 out of 2

Consensus

2 out of 2

Halluc

2 out of 2

**Final Score:** 9.0 out of 10

**Notes:** Accurate statement of established international law.

✓ **Supporting:** International Criminal Court (1998)

## Claim 11

RELIABLE

*"The Geneva Conventions and Additional Protocols specify obligations for distinguishing between combatants and civilians."*



Halluc

**2 out of 2**

**Final Score:** 9.0 out of 10

**Notes:** Correct description of core IHL principles.

✓ **Supporting:** of the Red Cross (2020)

## Claim 12

NEEDS\_HUMAN\_REVIEW

*"Gaza has experienced various forms of closure since 2007, establishing conditions of protracted humanitarian crisis."*

Ref Auth

**1 out of 2**

Alignment

**1 out of 2**

Data

**2 out of 2**

Consensus

**1 out of 2**

Halluc

**2 out of 2**

**Final Score:** 7.0 out of 10

**Notes:** Contextual claim; reference is thematic but not specific to 2007 closure.

✓ **Supporting:** O'Driscoll (2020)



1 out of 2

1 out of 2

Data

2 out of 2

Consensus

1 out of 2

Halluc

2 out of 2

**Final Score:** 7.0 out of 10 **Notes:** Population figure plausible but reference is thematic urban warfare text.

✓ **Supporting:** O'Driscoll (2020)

## Claim 14

RELIABLE

*"The study employs a concurrent mixed-methods design integrating quantitative analysis with qualitative thematic analysis."*

Ref Auth

1 out of 2

Alignment

2 out of 2

Data

2 out of 2

Consensus

2 out of 2

Halluc

2 out of 2

**Final Score:** 9.0 out of 10

**Notes:** Accurate description of cited methodological approach.

✓ **Supporting:** Creswell & Clark (2018)

## Claim 15

RELIABLE



2 out of 2

2 out of 2

Halluc

2 out of 2

**Final Score:** 9.0 out of 10

**Notes:** Correct attribution of methodological framework.

✓ **Supporting:** Braun and Victoria Clarke (2006)

## Claim 16

RELIABLE

*"Epistemic injustice examines how power dynamics influence whose knowledge is deemed credible (Fricker, 2007)."*

Ref Auth

1 out of 2

Alignment

2 out of 2

Data

2 out of 2

Consensus

2 out of 2

Halluc

2 out of 2

**Final Score:** 9.0 out of 10

**Notes:** Accurate summary of cited theoretical concept.

✓ **Supporting:** Fricker (2007)

## Claim 17

RELIABLE

*"Structural violence frameworks elucidate how political and economic arrangements generate differential vulnerability to harm (Galtung, 1969)."*



Halluc

**2 out of 2**

**Final Score:** 9.0 out of 10

**Notes:** Correct description of cited theoretical framework.

✓ **Supporting:** Galtung (1969)

## Claim 18

RELIABLE

*"Moral witnessing offers a framework for understanding how testimony about suffering circulates (Boltanski, 1999)."*

Ref Auth

**1 out of 2**

Alignment

**2 out of 2**

Data

**2 out of 2**

Consensus

**2 out of 2**

Halluc

**2 out of 2**

**Final Score:** 9.0 out of 10

**Notes:** Accurate summary of cited theoretical concept.

✓ **Supporting:** Boltanski (1999)

## Claim 19

RELIABLE

*"Conflict epidemiology has developed rigorous methods for estimating war deaths (Spagat et al., 2009; Seybolt et al., 2013)."*

Ref Auth

**1 out of 2**

Alignment

**2 out of 2**



**Final Score:** 9.0 out of 10

**Notes:** Correct attribution to established methodological literature.

✓ **Supporting:** Spagat et al. (2009), Seybolt et al. (2013)

## Claim 20

RELIABLE

*"Urban warfare creates heightened civilian vulnerability in dense urban environments (O'Driscoll, 2020)."*

Ref Auth

**1 out of 2**

Alignment

**2 out of 2**

Data

**2 out of 2**

Consensus

**1 out of 2**

Halluc

**2 out of 2**

**Final Score:** 8.0 out of 10

**Notes:** Accurate summary of cited source's thematic focus.

✓ **Supporting:** O'Driscoll (2020)



Invalid/Placeholder:

2

Duplicates:

0

### Flagged Wrong References

- \*\*?\*\*
- ??



## Data Audit

Numeric Items Checked:

9



## Figures & Tables Audit

Items Checked:

10

### Caption-Data Mismatches:

- All table claims reference data not found in provided sources.



## Ethics Compliance

IRB/Ethics Mentioned:

No X

Consent Mentioned:

No X

Data Protection:

No X

### Missing Items:

- No ethics statement for analysis of sensitive mortality data.



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