SCORCH AI Extraction Prompts for Lit Review

1. Does this study focus on arid and semi-arid regions of the southwestern United States and/or northern Mexico? If not, does it include climate resilience recommendations for arid or semi-arid regions?

2. Does it include primary data specific to these arid and semi-arid regions?
   _____

3. What is the title?

4. Please provide the full citation for this article in APA (7th ed.) format.
   _____

5. Which of the following spatial scales does this study use at the smallest unit?

Household

Neighborhood

City

County

State

Regional

National

6. Please provide a complete list of the geographic area(s) assessed, separated by semicolons, corresponding to the spatial scale selected.
   _____

7. What is the year of publication?

8. Please provide the date of the earliest data used (mm/dd/YYYY). If forecasts only, note "forecast period" with range.
   _____

9. Please provide the date of the latest data used (mm/dd/YYYY). If forecasts only, note "forecast period" with range.
   _____

10. Which of the following settings are analyzed in this study:

    Urban
    Rural
    Mixed
    Not Specified

Other

11. Do the regions specified in this study carry an arid/semi-arid region classification?

Yes
No
Mixed
Unclear

_____

12. If you had to choose only one study design type for this study design of this paper, which of the following would it be? If Other, please specify.

Ecological Study

Geographic Analysis of Surveillance Data

Temporal Analysis of Surveillance Data

Randomised Controlled Trial

Non-Randomised Experimental Study

Cohort Study

Cross-Sectional Study

Case Control Study

Systematic Review

Scoping Review

Qualitative Research

Prevalence Study

Case Series

Case Report

Diagnostic Test Accuracy Study

Clinical Prediction Rule

Economic Evaluation

Other

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13. Please create a table with the following columns, from left to right: Variable, Spatial Resolution, and Data Source. Include a list of analyzed health outcome variables along the left margin. What corresponding spatial resolution and data sources correspond to which health outcome variables (only), specifically? Please omit health outcomes mentioned but not analyzed. Prioritize the 10 most relevant variables. Do not create a table if health outcomes are not included in the study.

14. Please create a similar table for all data referring specifically to all co-factors explicitly included or mentioned in the study's analysis. Prioritize the 10 most relevant variables. Omit weather or climate-related factors, as those will be included in the following table. If no co-factors are mentioned, do not create a table.

15. Please create a similar table for all analyzed data, referring specifically to climate and weather. Prioritize the 10 most relevant variables. If no climate or weather data are analyzed, do not create a table.

16. Please state the primary analytical methods employed. Separate multiple with semicolons (e.g., Poisson regression; Time-series model; Climate projection using CMIP6).

17. What specific climate or climate-related health outcomes are assessed? Please list diseases/conditions separated by semicolons.

18. Which of the following climate or climate-related health outcomes are studied? Please provide a large green check mark where relevant. If other, please specify. Please list exposures separated by commas

    Heat
    Ground-Level Ozone/Air Pollution
    Aridity/Drought
    Wind/Dust
    Fire/Smoke
    Extreme Precipitation/Flooding
    Mold
    Fungi
    Pollen/Environmental Allergens
    Vectors/Vector Habitat
    Vector-Borne Diseases
    Digestive Infections

Respiratory Infections
Skin Infections
Cardiovascular conditions
Renal conditions
Cancer(s)
Pregnancy, Fetal Development, and Birth
Mental Health
Maternal Health
Neurological Conditions
Endocrine Impacts
Immune System Impacts/Inflammation
Autoimmunity
Sleep Disturbances
Behaviour/Violence
Compounding Environmental Exposures
Water Quality/Security
Food Insecurity
Green Spaces
Blue Spaces
Built Environment
Other

19. Which specific direct exposure(s) are assessed? Please list in epidemiological terms, separated by semi-colons.

20. Which exposures of interest are analyzed or discussed? Please provide a large green check mark next to each included item. If other, please specify. If more than one other selection, please separate by a comma.
Heat
Drought/Aridification
Precipitation
Humidity
Wind/Dust
Flooding
Extreme Seasonal Weather Fluctuations
Green Space
Air Pollution
Ground-Level Ozone
Leaching of Chemicals or Heavy Metals
Soil Health
Other

21. Were there any specific population- or sample- sizes reported? Please specify if so. If a range or estimate is provided, please note accordingly.

22. Does the study identify race/ethnicity or sex demographics?

- If so, please enter details as provided. If not reported, write N/A. Use percentages if possible

	Percentage	Number
Female Participants	column Percentage row Female Participants	column Number row Female Participants
Male Participants	column Percentage row Male Participants	column Number row Male Participants
Participants Neither Male or Female	column Percentage row Participants Neither Male or Female	column Number row Participants Neither Male or Female

- **Race/Ethnicity Demographics:** Please enter details as provided. If not reported, write N/A. Use percentages if possible. Do not create a table if no values given.

_____

23. Does the study analyze any interventions? If so, please describe in 1-2 sentences.

_____

24. Which, if any, of the following objectives have been met in this study? Please use a large, green tick to highlight each met/partially met objective.

01) Explores climate-related human health impacts in arid and semi-arid regions of the southwestern United States and northern Mexico.
02) Explores direct or indirect health impacts associated with extreme weather events and temperature and precipitation fluctuations in these regions.

03) Distills climate and climate-related health forecasts in these regions for the next 50-100 years.

04) Identifies vulnerable communities.

05) Highlights potential research gaps.

06) Explores potential solutions and adaptations for sustainable climate resilience in these regions.

_____

25. Which, if any, of the following research questions have been answered in this paper? Please use a large green checkmark to highlight each met question.

Q1) How do extreme weather events and escalating seasonal fluctuations impact human health in arid regions of the southwestern United States and northern Mexico?

Q2) How is the landscape of climate-related diseases likely to change in the southwestern United States and northern Mexico in the next 5, 10, 20, 50, and 100 years?

Q3) What are some examples of successful, sustainable solutions for climate resilience that could apply to the SW states and northern Mexico?

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26. Please summarize their answer to my first research question in 2–3 sentences. If not answered, please write N/A.

27. Please summarize their answer to my second research question in 2–3 sentences. If not answered, please write N/A.

28. Please summarize their answer to my third research question in 2–3 sentences. If not answered, please write N/A.

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29. Please list any health impacts that were mentioned in this study, but not quantified. Please list in epidemiological terms separated by semicolons.

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30. Did the authors include any information relating to association or relative impact? Please include effect size + CI if reported (e.g., RR = 1.23, 95% CI: 1.10–1.37). If qualitative, please summarize their narrative findings in 1-3 sentences.

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31. Referring to any correlations studied or mentioned in this study, please generate a detailed table with corresponding data under the column titles Effect Size/Correlation Value, Significance, Variable, and Confidence Interval (XX, YY). Prioritize the 10 most relevant variables. If none reported, do not create a table.

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32. Does this paper include Climate Change Projection Modeling? Yes or No.

33. Please list any Climate Change Scenarios included in the study. Enter climate model/scenario (e.g., RCP 4.5, SSP2-4.5). Write N/A if not applicable.

34. Please describe any time horizons mentioned in this study.

35. Using specific data and time horizons, please provide a concise description of the climate projections discussed in this article.

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36. Does this study explore any specific vulnerable populations? If so, please list in table form, along with a column for the reasons for the vulnerability. Prioritize the six most relevant groups.

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37. Do they discuss any of the following Climate Resilience measures? Please simply provide a check mark next to those explicitly included in this study, and leave those not included blank. Please separate lists with commas. If none, do not create a list.

Built Environment
Vector Control
Heat mitigation
Aridity Mitigation/Water Management
Green Spaces
Blue Spaces
Soil Regeneration
Energy Systems
Closed Systems/Systems Thinking
Policy and Law
Other

38. Please list any specific climate resilience strategies mentioned, separated by semicolons.

39. Does the study provide examples of successful adaptations/solutions? Please provide direct examples in a few sentences, if given. If not, write N/A.
   _____

40. Please summarize the reasons why this study is relevant to the arid regions of the US Southwest and northern Mexico in 2-3 sentences.
   _____

41. Please summarize the limitations discussed in this study in 2-3 sentences or less.

42. Please summarize any data gaps mentioned in this study in 2-3 sentences or less.

43. Please summarize any potential areas for future research discussed by the authors in 2-3 sentences or less.
   _____

44. In 2-3 sentences or less, and using specific reference to each, please summarize how relevant this paper is to our objectives as a whole using High, Medium, and Low relevance metrics.
   _____

45. Using precise data and relevant statistics, population and health data, and time horizons, please summarize this paper in 2-3 sentences.
   _____

46. Please provide a concise summary of the conclusions.