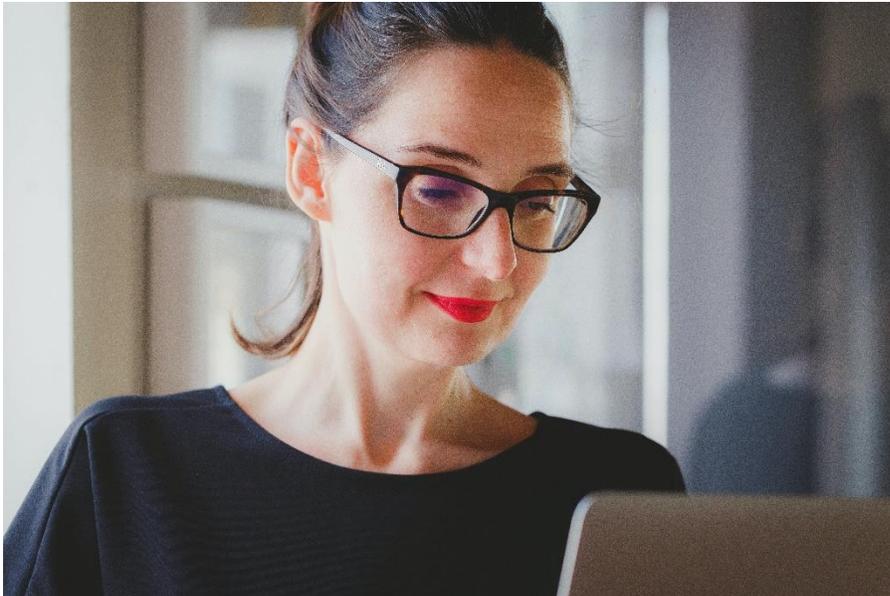


California Teachers Study Digest **A+**

Fall Research Updates

Exciting news, projects, and research from the California Teachers Study

Whether this email finds you settling into a new school year, enjoying retirement, or entering a new phase of life, we hope it finds you well! As we approach the last few months of 2023, our study team is eager to share updates about new projects, additions to our team, and recent study findings.



What Are We Studying: Drinking Water & Health Outcomes

Do drinking water contaminants affect the risk of cancer and other chronic diseases?

This new project is a collaboration with researchers at Columbia University and the National Cancer Institute (NCI). Research has shown that water contaminants like inorganic arsenic and uranium may affect a person's risk of developing cancer. This project is unique in that it will evaluate multiple possible contaminants in drinking water and whether they might be linked to risk of cancer, cardiovascular disease, and chronic kidney disease. Using California Teachers Study (CTS) data, the research team will examine the role that regulated drinking water contaminants play in health outcomes.

You can learn more about this project on our [study blog](#).

Meet the Staff: The Research Associate

Introducing the newest member of the CTS team

We're always thrilled to highlight the talented team members who make CTS research possible, and it is our pleasure to introduce you to the latest member of our study team: Emily Cauble! Emily has joined the CTS team as a Research Associate. Her current research focuses on the relationship between extreme weather and stroke as well as identifying risk factors for monoclonal gammopathy of undetermined significance (MGUS), and she is working closely with our CTS Steering Committee member Dr. Sophia Wang on these projects.

Please [visit our study website](#) to read more about Emily and the many talents she brings to the CTS team.

USC Data Science Students

Supporting the next generation of data scientists

This is our third year partnering with the USC Data Science program, which prepares students for data-focused careers. Through this partnership, the next generation of data scientists are given the opportunity to apply their analysis skills using CTS data with guidance from a USC professor and the CTS team.

This summer three Master of Science (MS) candidates applied machine learning models to CTS data to identify possible predictors of short-term death after hospitalization. Machine learning means using computer systems that can learn and adapt without explicit instructions. After completing their models, the students presented their methods and findings to members of the CTS team in August.

You can read more about machine learning and those projects on our [study blog](#)!

Study Findings: Hypertension in Pregnancy

What does healthcare utilization look like for women who had hypertension in pregnancy?

The link between hypertension during pregnancy and risk of cardiovascular disease later in life has been well documented. However, little is known about whether cardiovascular-related healthcare utilization varies by history of hypertension in pregnancy.

This study examined cardiovascular-related emergency department visits and hospitalizations among CTS participants from 1995 to 2020. The researchers evaluated whether women who had experienced hypertension during pregnancy were more likely to have cardiovascular-related ER visits and hospitalizations later in life.

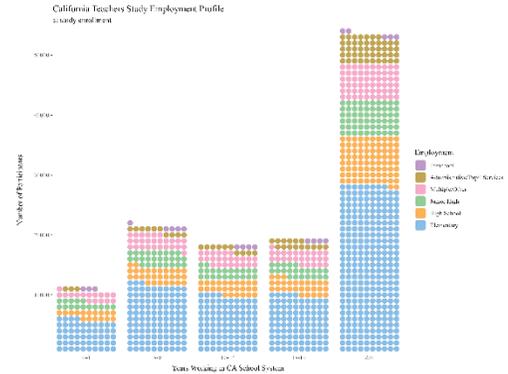
Findings from this study suggest that cardiovascular disease-related emergency department visits and hospitalizations were more common among women who had had hypertension during pregnancy than woman who had not had hypertension during pregnancy.

CTS Teacher Type

The role & tenure of CTS study participants

Have you ever wondered what type of educational roles participants reported when they enrolled in the study?

[This viz of the month](#) displays the teacher/administrator types and years within the educational system that CTS participants reported on the first study questionnaire in 1995-1996.



Keep in Touch

You can always reach us via our website

Your feedback, questions, and comments are important to us! Visit our [Contact Us form](#) to update your information or to get in touch with a CTS team member.

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