

# Predict and Prepare: Taking Action to Address the Teacher Supply Chain

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Paul Katnik

Missouri Department of  
Elementary and Secondary  
Education

Beth Kania-Gosche

Missouri University of  
Science and Technology

President, Missouri  
Association of Colleges for  
Teacher Education

Josh Stewart

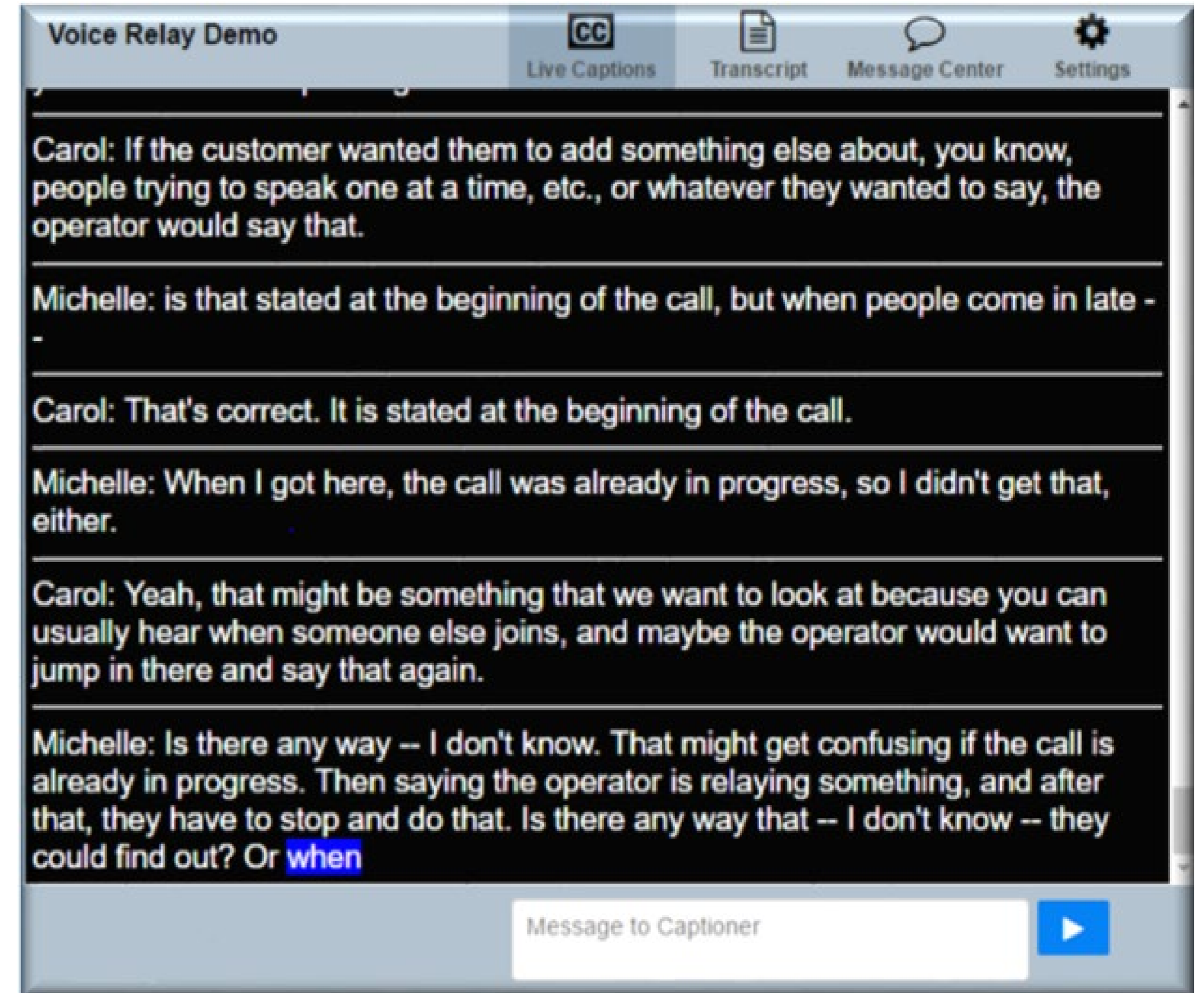
REL Central

David Yanoski

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# Live-Captioning

- This webinar is being live-captioned. Please copy and paste the link sent to you in the chat box at the start of the webinar to take advantage of this service.
- A prepopulated sign-in page will appear. Please click *register*. There is no need to fill in your information.



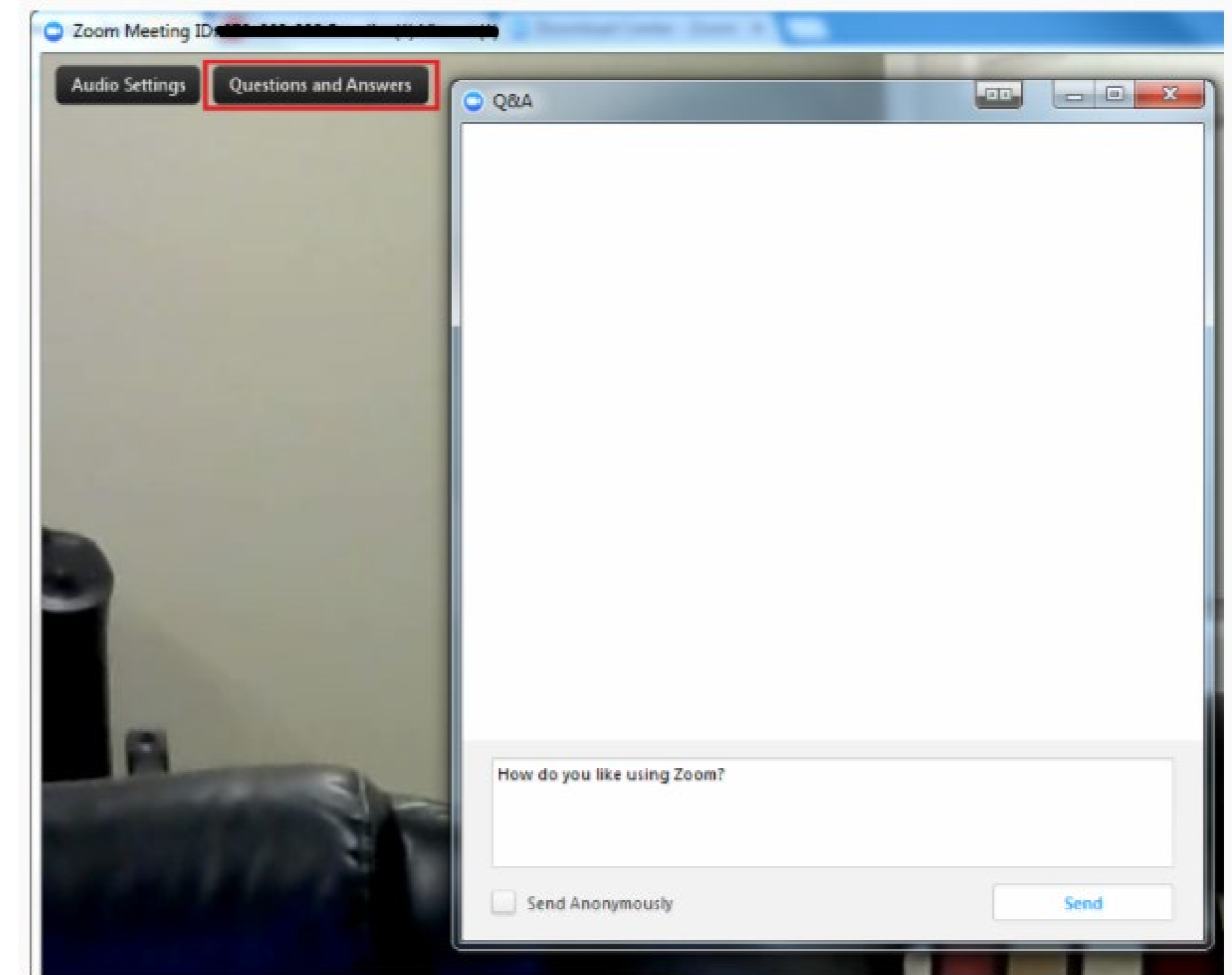
The screenshot shows a software interface for live captioning. At the top, there is a title bar 'Voice Relay Demo' and a menu with icons for 'Live Captions', 'Transcript', 'Message Center', and 'Settings'. The main area contains a transcript of a conversation between Carol and Michelle. Carol's first message is: 'Carol: If the customer wanted them to add something else about, you know, people trying to speak one at a time, etc., or whatever they wanted to say, the operator would say that.' Michelle's response is: 'Michelle: is that stated at the beginning of the call, but when people come in late -'. Carol replies: 'Carol: That's correct. It is stated at the beginning of the call.' Michelle then says: 'Michelle: When I got here, the call was already in progress, so I didn't get that, either.' Carol responds: 'Carol: Yeah, that might be something that we want to look at because you can usually hear when someone else joins, and maybe the operator would want to jump in there and say that again.' Michelle's final message is: 'Michelle: Is there any way -- I don't know. That might get confusing if the call is already in progress. Then saying the operator is relaying something, and after that, they have to stop and do that. Is there any way that -- I don't know -- they could find out? Or when'. At the bottom of the interface, there is a text input field labeled 'Message to Captioner' and a blue play button icon.

# Q & A

To reduce background noise, we have muted all participants. Although chat has been disabled, you are welcome to communicate by using the Q & A box.

## Your Participation

- We will monitor the Q & A box throughout the presentation. Please feel free to use it at any time for any comments or questions you have.
- Simply click on the Q & A box panel at the top left corner of your screen and send us your question.



# REL Central – Who We Are



The Regional Educational Laboratory (REL) Central at Marzano Research serves the applied education research needs of Colorado, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Wyoming.

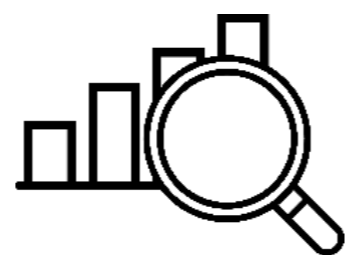
# REL Central – Educator Pipeline Research Alliance

An alliance united by goals to support the development and retention of effective educators.

## Areas of Focus



Educator preparation



Educator evaluation



Educator mobility

An Approach to Using Teacher and Student Data to Understand and Predict Teacher Shortages



# Meet Our Presenters

- Paul Katnik, Missouri Department of Elementary and Secondary Education
- Beth Kania-Gosche, Missouri University of Science and Technology
- Josh Stewart, REL Central
- David Yanoski, REL Central

# Meet Our Participants (Poll Question)

## **What is your role within your organization?**

1. Teacher
2. School leader (assistant principal or principal)
3. District leader (assistant superintendent or superintendent)
4. School board member or local education agency member
5. State administrator, official, or policymaker
6. Higher Education
7. Other

# Goals

- To describe the development and use of the Teacher Predictor Model (TPM).
- To describe how Missouri educators use data from the model to guide state decision-making around teacher supply.
- To share how state education agencies might adapt the model for their own use.



# Introduction to the Missouri Teacher Predictor Model

# An Approach to Using Student and Teacher Data to Understand and Predict Teacher Shortages

- Developed in partnership with the Missouri Department of Elementary and Secondary Education (MO DESE).
- Uses student enrollment and teacher assignment data from recent academic years to make teacher supply predictions.
- Built using Microsoft Excel and existing state data.

Resource describing the development and the model:

<https://ies.ed.gov/ncee/edlabs/projects/project.asp?projectID=4661>

# Development and Use of the Teacher Predictor Model

- How was the model developed?
- How does MO DESE use the TPM? Who has access to it?
- What decisions have been guided by data from the model?
- How can states use or adapt the TPM?

# Questions?

# Strategies to Recruit and Retain Teachers in Shortage Areas

# Recruiting Teachers

- What data do educator preparation programs (EPPs) need in order to recruit teachers? How can EPPs use these data to guide recruitment efforts? How can Missouri EPPs use the TPM?
- How can EPPs recruit students into areas of need?
- What strategies can SEAs use to address areas of need?
- What strategies can LEAs use to address areas of need?
- What barriers to teacher recruitment exist? What enablers exist?

# Questions?

# Thank You

Please visit our website and follow us on Twitter for information about our events, priorities, and alliances, and for access to our many free resources.

[ies.ed.gov/ncee/edlabs/regions/central/index.asp](https://ies.ed.gov/ncee/edlabs/regions/central/index.asp)

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Or contact us at [RELCentral@MarzanoResearch.com](mailto:RELCentral@MarzanoResearch.com)

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