



**NGCP National Webinar
Google-Gallup CS Education Data: Further Explorations of
Underserved Communities
Chat Transcript, August 15, 2017**

Recording: <http://connectpro35337274.adobeconnect.com/pb6p17nfw3h/>

Erin Hogeboom: Welcome, and thank you for joining us today! Please introduce yourself and any organization affiliations here in the chat. We also invite you to participate in our poll and answer the check-in question: What are you hoping to learn about today?

Tracey Madden-Hennessey: Tracey Madden-Hennessey, YWCA New Britain, CT

Heather Stohler: Good afternoon! I am a Program Officer for a family foundation in Philadelphia that has an interest in serving underserved communities through education.

Anthony Papini: Anthony Papini, Microsoft/TEALS, Redmond, WA

Manny Leon: Manny Leon, Mathematics, Engineering, Science Achievement (MESA) in Arizona

Dylan Stone-Miller: Dylan Stone-Miller with honorCode, Inc., Atlanta, GA

Timothy Fowler: Hi! I am the Professional Development Director for New York's statewide afterschool network. Looking forward to learning today!

Kelly: Kelly Sturner, Argonne National Laboratory Educational Programs, Argonne IL

Dayna: Hi! I'm Dayna a school counselor in SW Colorado Rural School. I live in a Tri-Ethnic Community of Native American, Hispanic and Anglo Students

Amanda Lindsay: Hi all, I am a Teen Librarian at the DeKalb County Public Library in Georgia and a facilitator with 100 Girls of Code-Conyers, GA chapter. I am calling in from Lithonia, GA.

Liz Martinec: Liz Martinec, Diversity Manager, PA Dept. of Conservation & Natural Resources, Harrisburg, PA

LaChanda Hare: LaChanda Hare, South Carolina Governor's School for Science & Mathematics (GSSM), Hartsville SC

Becky Howsmon: Becky Howsmon, Microsoft TEALS, Redmond WA

Connie C.: Connie Chow with Huntsville-Madison County Public Library in Alabama

Cilvia Rivera: Cilvia Rivera-YWCA of the Sauk Valley Director of Community Services and Outreach

Jessica P: Greetings! I'm Jessica Palmer. I'm with GiftedandTalented.com. We provide online, personalized learning for grades K-12 in Math and English. I'm based in Oakland, CA.

Brook Osborne: brook Osborne, code.org

Bridget Greenberg: Bridget Greenberg Seattle; parent & volunteer for Stem education

Dianne O'Grady-Cunniff: from the Maryland Center for Computing Education

Dennis Ma: Dennis Ma, Technologist Specialist with Tata Consultancy Services

Dennis Ma: from Canada

Cassandra: Cassandra Beckworth, Data Specialist, Mobile CSP

Amy Cliett: Amy Cliett - TechGirlz PA

Casi Herrera: Casi Herrera from National Girls Collaborative. I am joining from Seattle, WA.

Joshua sneideman: Joshua Sneideman - Learning Blade - Chattanooga TN.

Jen Rosato: part of the Mobile CSP (curriculum and professional development) team and the College of St. Scholastica - CS Education certificate program and undergrad CS

Charis: Charis Kotfila, Emma Willard School, NY

Cindi Chang: Cindi Chang from Nevada Department of Education - CS and STEM

Latecia Patton: Latecia Patton from YWCA Metro Chicago

Casi Herrera: Hi Latecia! Great to see you here!

Gayla Robbins: Gayla R. Robbins, honorCode, Atlanta, GA

Latecia Patton: Hi Casi

Irene Middleton: Irene Middleton: Outreach Programs Director, South Carolina Governor's School for Science and Mathematics

Sarah D.: Hello everyone - Sarah Dunton from ECEP

Joshua sneideman: Will we be able to see the recorded version of this at a later date and time?

Karen Peterson: Yes, Joshua - we will send out the recording after the webinar.

Sean Arthurs: Sean Arthurs, National PTA

Lisa: Lisa O'Brien, Scratch Foundation, DC

Karen Gibson: Karen Gibson, Instructional Designer and content writer, Oklahoma

Katie SanFilippo: Hi Everyone! Katie SanFilippo, ChickTech

Emily Stevens: Hi all, I'm Supervising Producer of SciGirls, we're going into production on a CS focused series/project (SciGirls season 5) for PBS Kids / NSF. NGC is our longtime partner.

Thanks!

Vanessa Vega: Vanessa Vega, Rockman et al Research & Evaluation, San Francisco, CA

Rosa Campos: Good morning, Rosa Campos from Girl Scouts of Greater Los Angeles

Linda Christopher: Hello - Linda Christopher here from Riverside Unified- Riverside, CA

Dianne O'Grady-Cunniff: @Lisa O'Brien, Scratch Foundation, DC, will you be at the Scratch Meetup in Bethesda MD on 8/27?

Adrienne Coleman: Adrienne Coleman, the Illinois Mathematics and Science Academy, Director of Equity and Inclusion

Helen Grundman: Hi! I'm Helen Grundman, Director of Education and Diversity at the American Mathematical Society

Evelyn Hunter: Evelyn Hunter, curriculum developer at CodeHS in San Francisco

Emily Stevens: I'm joined by Momo Hayakawa, Ready-to-Learn research manager on Twin Cities PBS new series/project for PBS KIDS and Dept of Ed Ready-to-Learn initiative.

Jared Amalong: Jared Amalong, ICT Coordinator at the Sacramento County Office of Education

Emily Stevens: hi!

Erin Hogeboom: Welcome, and thank you for joining us today! If you have not already, please introduce yourself here in the chat box and let us know where you are calling in from!

Heather K: Hi, I'm Heather Kellert, STEM Innovator from the PAST Foundation in Columbus, Ohio.

Sarah Lee: This is Sarah Lee from Mississippi State University. I am the PI on the NSF INCLUDES Mississippi Alliance for Women in Computing. Will someone share the phone number that I can use to dial in?

Erin Hogeboom: Please feel free to type any questions here. We will capture them and ask them of Jennifer at the Q&A after her presentation.

Dawn Hunter: Texas Advanced Computing Center, Austin, Texas

Emily Stevens: joined by Joan Freese, PI SciGirls Code and Project Director RTL

Erin Hogeboom: Welcome, all! If you have just joined us, please introduce yourself here in the chat.

Helen Grundman: 40% includes all levels? What is the percentage in high schools?

Karen Peterson: Hi Sarah - no phone line. All audio is over the computer.

Joshua sneideman: we can see the font fine. Thanks.

Karen Peterson: Use the little microphone icon to turn on your sound.

Denise Brock: Denise Brock, Oregon Dept. of Education, grant manager for a state grant to increase teacher PD for growing CS in the state, aligned with CTE Programs of Study

Tessie Topol: Is this webinar being recorded for future access?

Erin Hogeboom: Hi Tessie! Yes, the webinar is being recorded

Karen Peterson: On your own computer, you can go into full screen mode if you like.

Erin Hogeboom: The recording will be shared out along with a PDF of the slides, these will be emailed to all registrants. Those resources will also be available on the NGCP Events Website.

Tessie Topol: Thank you!

Erin Hogeboom: My pleasure!

Timothy Fowler: I wonder if "at school" rates are high because schools have computer labs.

Erin Hogeboom: That's an interesting thought, Timothy. We can certainly ask Jennifer about that, but I'm also curious if any participants have thoughts on that!

Monica Hunter: Monica Hunter, Director of Research, PAST Innovation Lab, Columbus OH

Cassandra: Was the language "gender" or "sex" used in the survey?

Erin Hogeboom: Thank you for your question, Cassandra. I've taken it down to ask Jennifer after her presentation.

Heather Stohler: I have to run but look forward to finishing the webinar through the recording!

Erin Hogeboom: Thank you for joining, Heather!

Joshua sneideman: Is google working to share their information on self-identified bias in the media with media content creators? If so how?

Denise Brock: Was this a nationwide survey? I missed this info in the beginning

Sarah: Hello everyone! Sarah Windsor, STEM in the Park, Research Triangle Park, NC

Erin Hogeboom: Hi Denise, yes, it was nationwide, but we can ask Jennifer to share the methodology again at the end.

Evonne: Will this recording be emailed out afterward?

Erin Hogeboom: Hi Evonne,

Erin Hogeboom: Yes, this webinar is being recorded and the link to that, as well as a PDF of these slides and the chat will be shared with all registrants, as well as being posted on the NGCP Events Website.

Erin Hogeboom: Please type any relevant questions you have here for Jennifer and they will be asked during the Q&A.

Gayla Robbins: when did teachers indicate was the best time for then to learn CS (during the summer, after school, weekends?) how did they say they'd like to learn (on their own? website? boot camp classes, integrated into school PD?)

Monica Hunter: Interesting to see combined student data, school program data, and parent data. Was data collected during a concurrent school year in the same schools?

Gayla Robbins: Thanks Jennifer

Cassandra: Thank you! Very interesting.

Dianne O'Grady-Cunniff: Is there any particular advice for rural and small town populations that came out of the data?

Latecia Patton: Thanks so much for this data. This was very interesting data gathered.

LaChanda Hare: Thank you, Jennifer! This was informative.

Rosa Campos: I wonder what your conclusion is about the discrepancy of how much underrepresented group parents value CS over white groups?

Joshua sneideman: Where does one turn to see great examples of an integrated CS curriculum?

Jen Rosato: Bootstrap and Project GUTS are two examples of integrated curricula

Joshua sneideman: Thanks Jen.

Cassandra: Yes, thanks. I was just curious about the categories and self-identification.

Dawn Hunter: With black and Latino students less likely to having a computer access at home how are the black and Latino finding out about the OST CS programs for their participation to be higher than white students?

Tessie Topol 2: Sorry if I missed this - but how is Google using this research to inform its philanthropic funding decisions?

Tessie Topol 2: Specifically their funding decisions when it comes to CS Ed.

Irene Middleton: Thanks Jennifer for this information. Was the poll given in states where CS standards have been adopted? Is it possible that the importance of implementing CS into curriculum will only be realized when states adopt and support learning standards for CS?

Timothy Fowler: Thank you for conducting the research and sharing via webinar. Have to go to my next meeting, sorry for leaving early! Thank you again!

Erin Hogeboom: Thanks for joining, Tim!!

Amanda Lindsay:@Dawn- In my community, finding out about CS programs is often through email and social media. I as a public librarian is playing a conduit roll between CS programs and the community.

LaChanda Hare: Jennifer, did you have any comparison data related to teacher self-efficacy in CS in the various areas?

Gayla Robbins: In the schools, offering CS classes that did not include computer programming or coding, what was the curriculum taught in those classes?

Evonne: Did you ask questions to gauge students/teachers' understanding of how c.s. is applied in industry, beyond programming jobs?

Anthony Papini:

Dawn Hunter:@Amanda do they have CS classes at your library?

Dennis Ma 2: From TCS, we operate in North America and we aim to work with students in underserved communities to promote STEM awareness and education

Dennis Ma 2: We're doing to work with schools and teachers to adopt computer science curriculum into their existing curriculum

Amanda Lindsay: @ I have a computer-coding club that meets monthly, where they explore through code.org tutorials and use code academy to go deeper. I also facilitate at 100 Girls of Code and we go a little deeper on CS classes. ATt 100 GOC we target girls and blacks which represent the majority of the community.

Amanda Lindsay: @ Dawn we also have partnered with Techie camp which this year was intensive using Unity and gaming. It was a great partnership with a CS organization and the public library.

Katie SanFilippo: ChickTech targets low-income and underserved girls in urban and rural areas. We ask teachers to nominate girls that haven't already been exposed to CS but have the potential to do well

Dawn Hunter:@Amanda thanks. I went back to flyers for reaching black and Latino students so I was wondering what approach others were

Gayla Robbins: Thanks for answering and considering my two questions in your research moving forward.

Karen Peterson: www.ngcproject.org

Casi Herrera: <http://ngcproject.org/>

Karen Peterson: You have it twice!

Dennis Ma 2: Thank you x2!

Emily Stevens: Thank you!

Casi Herrera: You can also find us on Facebook: <https://www.facebook.com/ngcproject/>

Karen Peterson: Thank you all for the great work you do!

Monica Hunter: how do we get the recorded version of today's webinar?

Casi Herrera: We will send it to you after this call. It will also be posted on the event listing.

Cindi Chang: This was very informative. Thank you so much!!

Monica Hunter: thanks!

Amanda Lindsay: Thanks!

Sarah D. Thank you NGCP and Jennifer - great resources and data to fuel our CS for All initiatives

Gayla Robbins: thanks! you also!

Dennis Ma 2: Thank you for sharing!

