



# **VALUEGENESIS IV**

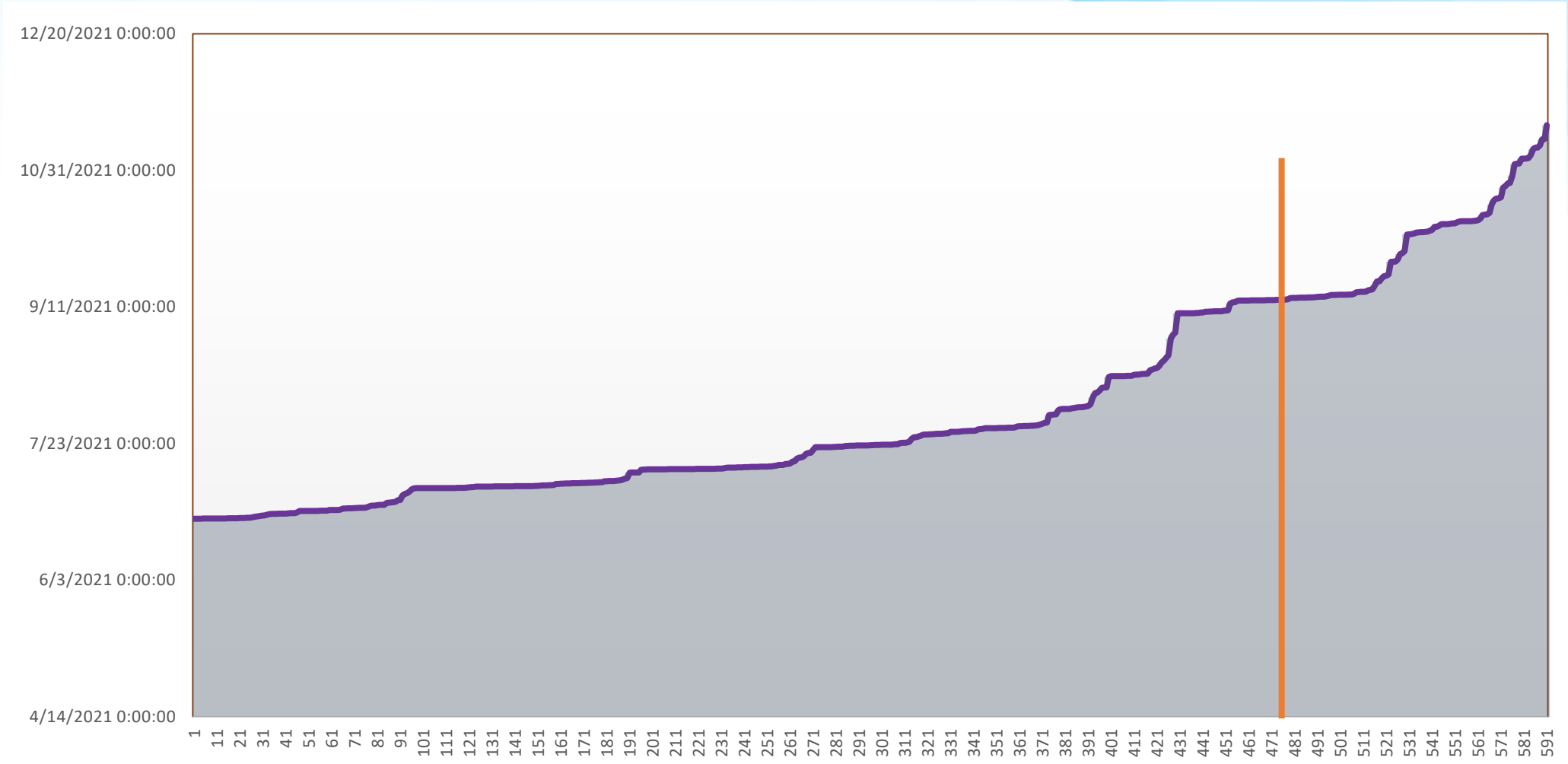
**Interim Report on V4 Data Collection**

**NAD, December 2021**

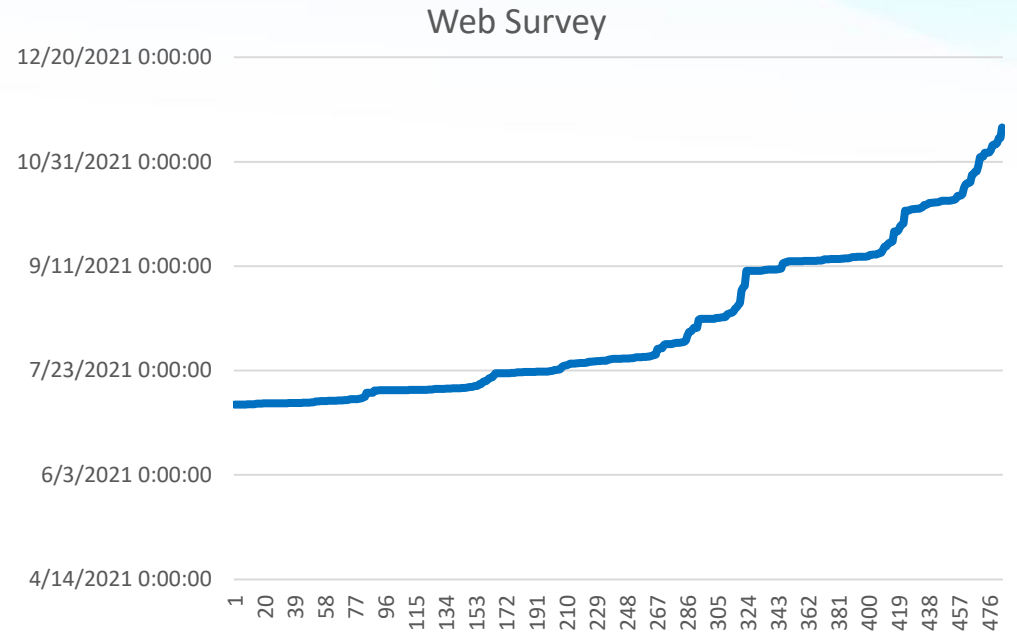
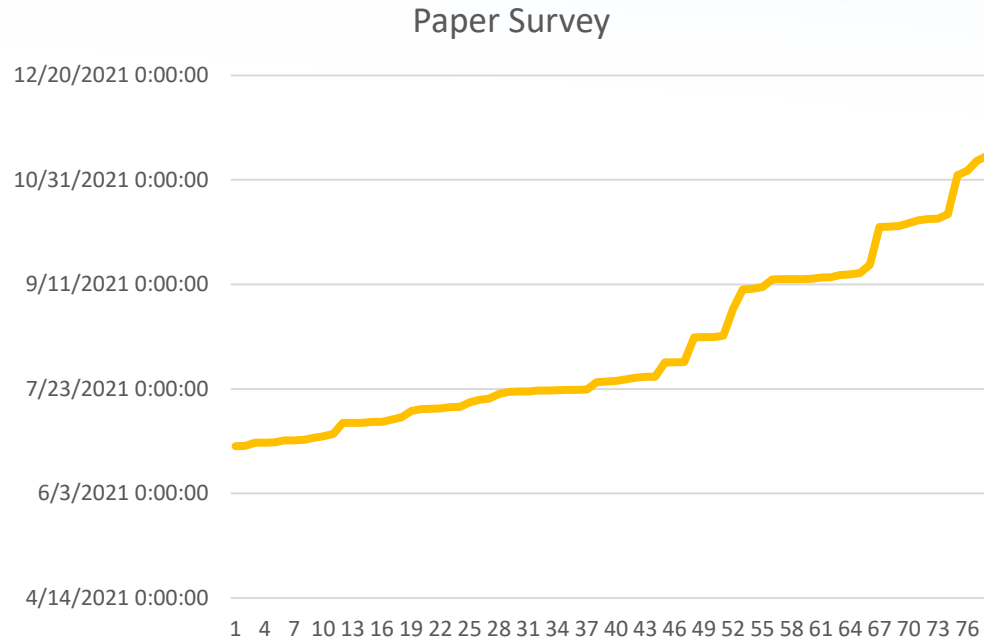
# Survey Method Preference Survey

- Late June 2021, an invitation sent to all principals in NAD
- Asking preference between paper and web surveys.
- The link remained open for about three & half months
- Eight reminders

# Timestamp: Response to Method Preference Survey



# Cumulative Frequency of Method Choice by Timestamp

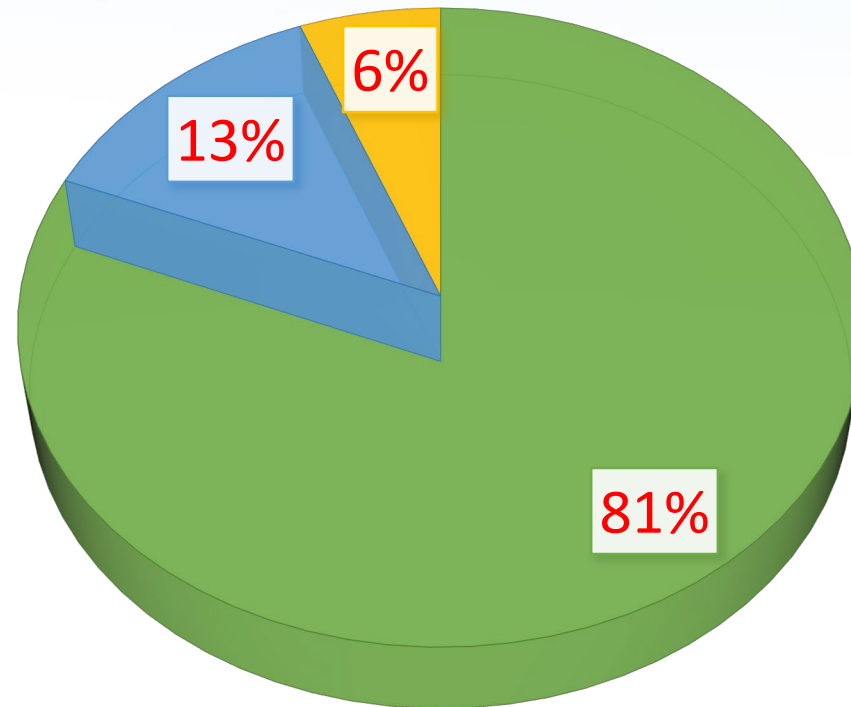


# Survey Method Preference Survey

- 444 schools responded
  - Response rate of 61%.
- **Great preference for web-based** to paper-based.
  - 362 (82%): Web-based survey
  - 56 (13%): Paper-based survey
  - 26 (6%): "Hard to Decide"

# Survey Method Preference

■ Web ■ Paper ■ Hard to Decide



# Survey Method Preference Survey

- In view of research, method preference depends on access to computers and familiarity with online surveys; safety, physical ability, and normative concerns are weak determinants of mode preference (Smyth, Olson, & Millar, 2014).
- In recent years, the web-based survey has become a popular data collection method, while the preferred mode has traditionally been the paper questionnaire (Ebert, Huibers, Christensen, & Christensen, 2018).

# Valuegenesis Data Collection

- V4 adopted a **mixed-mode survey** administration.
- Questionnaires out in late September
- Paper questionnaires
  - Schools that chose a paper survey
  - Schools marked “Hard-to-Decide”
  - Non-respondent schools
- Link & QR codes to the survey
  - Schools that chose a web survey
  - Schools marked “Hard-to-Decide”
  - Non-respondent schools



# Web-survey & Paper-survey Forms

## VALUEGENESIS 4



## VALUEGENESIS 4

### Faith, Values, Merit, & Commitment

#### A Study of the Influence of Family, Church, and School on the Formation of Faith in Seventh-Day Adventists

This project will help church leaders and teachers learn how to strengthen Adventist education and better understand spiritual values among young people. You are one of those selected to take part, and your help is very important. We appreciate your help in this survey.

- What you say in this survey is anonymous and confidential. No one will ever be able to connect your answers to your name. We do not ask for your name, and there are no secret codes that can identify you by name.
- When you have finished the survey, it will be placed in a box and sealed. It will be opened only at the Office of Educational Research and the Hancock Center for Youth and Family Ministry, and your answers will be combined with those of many others. After that, the surveys will be destroyed. No one at your church, school, or family will ever see your answers.
- Please answer ALL questions as honestly as possible. Do not ask anyone else how they think you should answer. We want to know YOUR feelings, YOUR beliefs, YOUR opinions.
- Do not spend much time on any one question. Answer each question as it seems best, then move quickly to the next one.
- And, we really thank you for helping us!

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Use a soft black pencil or blue/black pen only.  
Answer all of the questions by filling in the circle ● or crossing it ☒.  
Do not use any other marks (e.g. tick)



North American Division of  
Seventh-day Adventist Office  
of Education

The Office of Educational  
Research, La Sierra University

The Hancock Center for Youth  
and Family Ministry



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# Cover Letter

- Introduction
- Instruction
- Parental Consent
- Endorsement Letter from Dr. Arne Neilsen
- Request to complete the survey
  - Between October 11 and November 11, 2021
  - Extended twice to November 19 and January 20.

# Survey Instruction

- The school administrators **chose one or two days**
- Students gathered on a selected day in their classrooms or one place
- Completed the survey on **the same day** that they started.
- Breaks as needed, but preferably no more than two
- **Not allowed** to take the survey outside the school
- No discussion with their peers or others
- The **direct links and QR** codes provided
- A pre-paid return **shipping label** provided to paper-survey schools

# Progress

- **Five reminders** to principals
- **Concerns over the questions** on LGBTQ, suicidal ideation, sexual relation, and substance abuse, especially asking them to younger 6<sup>th</sup>-8<sup>th</sup> graders.
- **Two adjustments** (November 1)
  - Removing LGBTQ questions from the survey
  - Optional for 20 questions on suicidal ideation, sexual relation, and substance abuse
  - Three weeks to complete the survey
- **87 schools completed LGBTQ questions (over 3,100 students)**

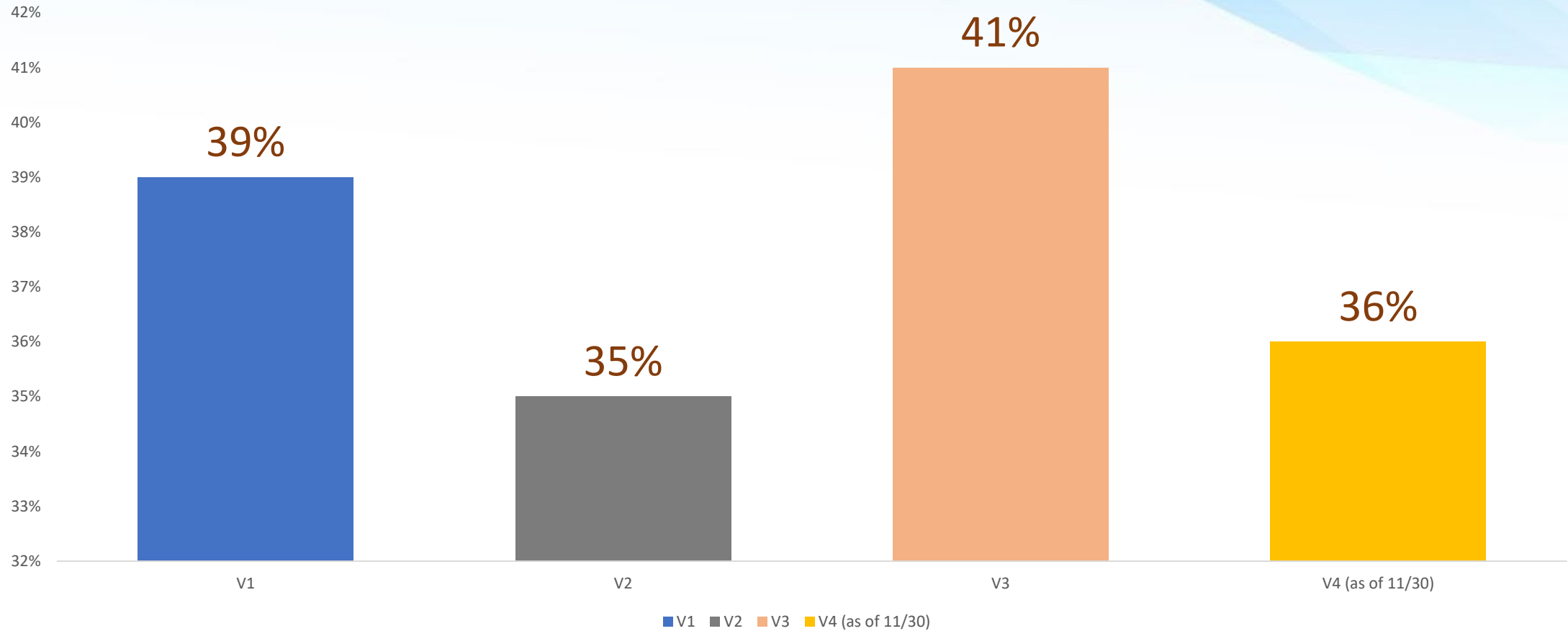
# Population

- 2021-22 School Year
  - 24,055 6<sup>th</sup>-12<sup>th</sup> graders in 732 schools
  - 23 schools, no 6<sup>th</sup>-12<sup>th</sup> graders
  - One 6<sup>th</sup>-12<sup>th</sup> grader in 28 schools
  - 28 schools
    - Incorrect or corrupted email addresses
    - Slow transition to new school administration
    - Multiple email addresses, including old addresses rarely checked or used.
- 653 schools were valid or approachable
  - 89% of NAD schools

# Sample (as of November 30)

- 240 schools completed the survey
- 8,626 6<sup>th</sup>-12<sup>th</sup> grader samples
- 37% of the NAD schools
- 36% of the NAD 6<sup>th</sup>-12<sup>th</sup> graders
  
- Compatible with the average survey response rate
  - 30-35% often suggested (Lindemann, 2021)
  - 20% regularly considered adequate (Ramshaw, 2021)

# Response Rate of V1-V3 & V4 (as of 11/30)



# Three Challenges

- The **ever-declining** survey-response rate
  - Decline by 1% per year across the board
- **Web-based survey** as the dominant V4 mode
  - 48% response rate for paper survey
  - 31% for web survey
  - On average, web surveys show a 10-12% lower than paper surveys.
- Impact of **COVID-19** pandemic
  - The response rate for the 2021 government surveys down by 10-20%
  - Reluctant to take any additional loads like surveys
    - Survey fatigue
    - Increased stress, burnout, overwork, & distrust



*Summary of Logistic Regression Analysis Explaining the Survey Participation*

Variables	<i>B</i>	<i>SE</i>	$\beta$	<i>Exp(B)</i>
Constant	-.37	.43	.74	.69
Northeast	-1.04*	.45	5.31	.35
Midwest	-.32	.45	.50	.73
South	-.56	.43	1.69	.57
West	-.86*	.43	4.00	.43
One Teacher	-.84**	.29	8.58	.43
2-3 Teachers	-.71**	.25	8.49	.49
PK-08 School	-.19	.41	.21	.83
PK-10 School	.28	.44	.42	1.33
PK-12 School	.37	.44	.70	1.44
Method Survey – Web Preference	1.60***	.23	49.30	4.97
Method Survey – Paper Preference	2.05***	.32	41.86	7.77
6 <sup>th</sup> -12 <sup>th</sup> Grader Enrollment	.04*	.57	1.45	.50

Chi-square (12) = 157.13\*\*\*; -2LL 695.26; Pseudo *R* square = .30; Correct Prediction Ratio = 72%;

\**p* < .05; \*\**p* < .001.

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# Participant Observation

- Canada shows a higher participation rate.
- Participation in the Method Preference Survey
  - Those responded to the method survey showed higher participation
  - Paper-survey group: 1.44 times higher
  - Web-survey group: 1.33 times higher
- School size
  - Schools with 4 or more teachers significantly higher
  - A chance for schools with 1 & 2-3 teachers 57% and 51% lower
- Enrollment and organization level not significant

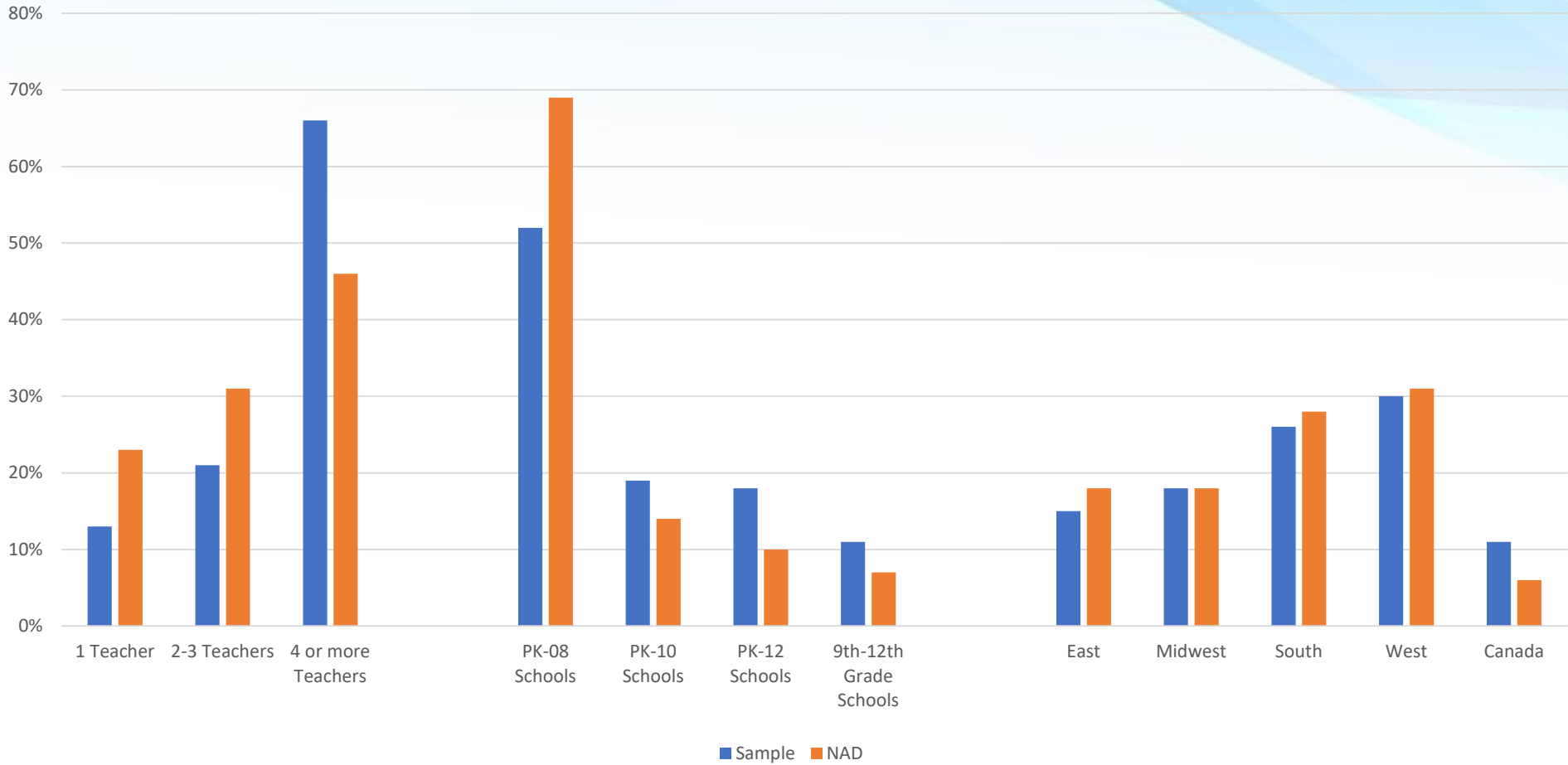
# Breakdown by V4 School Characteristics

- School size
  - 65% had 4 or more teachers
  - 14% and 22% for 1 and 2-3 teacher schools
- Organization level
  - PK-08: 53%
  - PK-10: 19%
  - PK-12: 18%
  - 9<sup>th</sup>-12<sup>th</sup> grade schools: 11%.
- Region
  - Southern and western regions formed 28% and 31% of the participant schools
  - Other regions each constitute 10-17%.

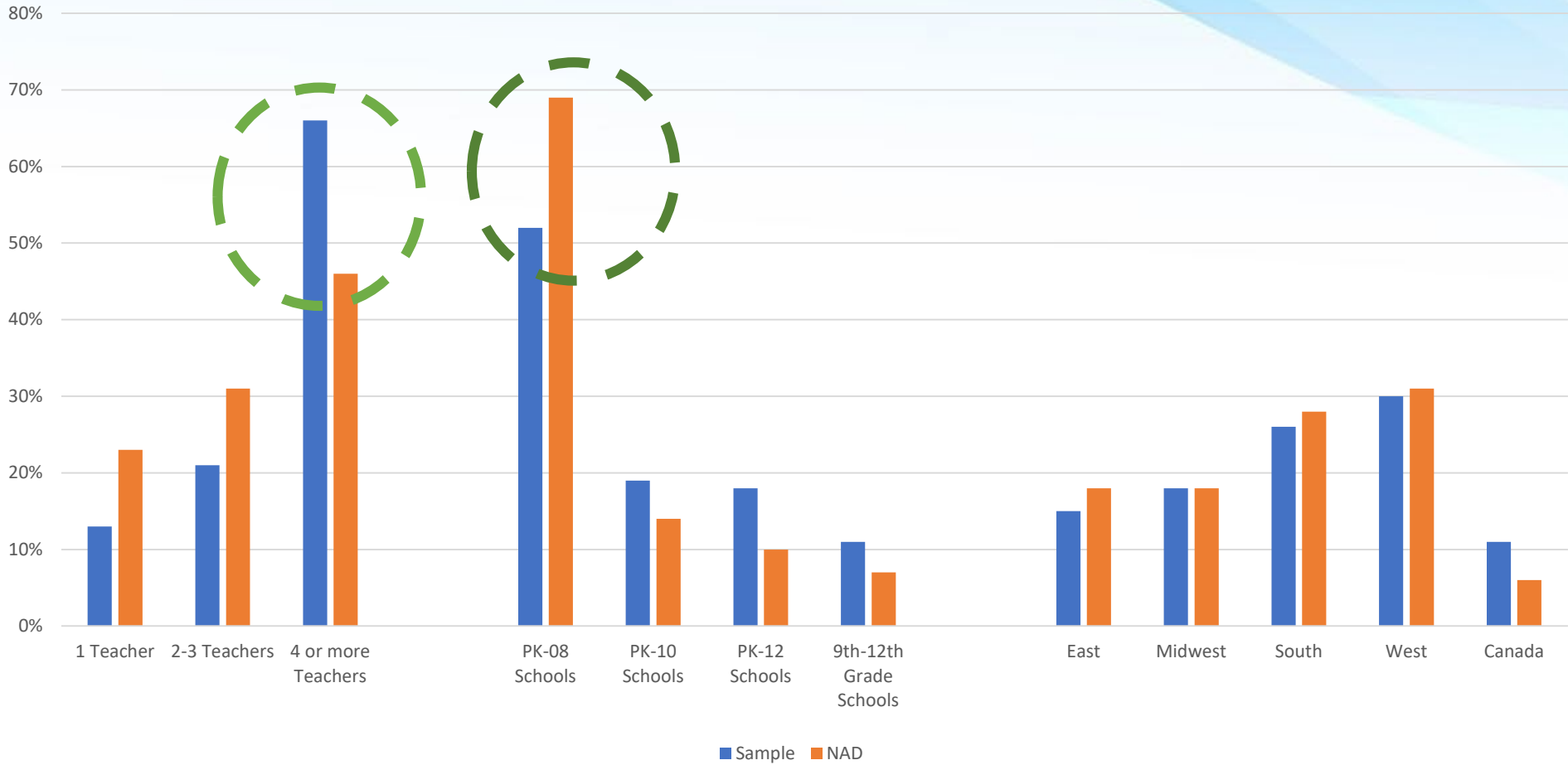
### *Characteristics of the Valuegenesis 4 Participant Schools*

Category	Number of Participant School	Ratio in V4	Ratio in NAD
1 Teacher	32	13%	23%
2-3 Teachers	51	21%	31%
4 or more Teachers	157	66%	46%
PK-08 Schools	125	52%	69%
PK-10 Schools	46	19%	14%
PK-12 Schools	44	18%	10%
9 <sup>th</sup> -12 <sup>th</sup> Grade Schools	25	11%	7%
Northeast	36	15%	18%
Midwest	43	18%	18%
South	63	26%	28%
West	73	30%	31%
Canada	25	11%	6%

# Comparison of V4 and NAD School Attributes



# Comparison of V4 and NAD School Attributes



# Small Caveat

- When compared to the entire NAD Schools...
- **Modest underrepresentation of small PK-08 schools**
  - 1-3 teacher schools underrepresented at the 20% level
  - PK-08 schools are 17% short of their ratio in NAD.



# No Surprise

- **Task & workload challenge**

- The principals in 1-3 teacher schools have some of the most **complex, multifaceted jobs**, often without basic help from colleagues, peer teachers, and administrative staff.
- Scramble every day for lesson plans, classroom instructions, student and parental issues, school maintenance, and administrative tasks.

- **Privacy & confidentiality concerns**

- A minimal number of 6<sup>th</sup>-12<sup>th</sup> grade students
- Raise concerns about the survey's anonymity, privacy, and confidentiality.
- Especially, due to potentially sensitive topics, such as **LGBTQ**, suicidal ideation, sexual relations, physical abuse, and substance abuse.

# No Surprise

- Combined, these factors may have led some principals in small schools to **discount the requests about the project**, reducing their overall participation in the V4 questionnaire survey.

# Summary

- More than sufficient to represent the overall NAD 6<sup>th</sup>-12<sup>th</sup> graders
- The response rate
  - Similar to the V1-V3 response rates
  - Achievement given the challenges unique to V4
    - Fatigue from the COVID-19 pandemic, increased surveys in NAD, and web surveys
- Representative of the NAD schools
  - Enrollment, school size, organization level, & region
  - Modest underrepresentation of PK-08 and 1-3 teacher schools
  - Issue not unique to V4 only, but for the former projects as well
- We may exercise some caution when applying the data and analysis results to the 6<sup>th</sup>-12<sup>th</sup> grade students in small PK-08 schools.

# Plan & Next

- Data collection will close late in January 2022
  - Processing the paper-survey data
  - Data cleaning
- Analysis will start when data collection ends in January 2022.
- Reports will help us understand
  - Current state of students on faith, family, school, lifestyle, mental health
  - Relationship & comparison
  - Changes over the past 30 years
  - Where our schools are heading in the future



**THANK YOU.**

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