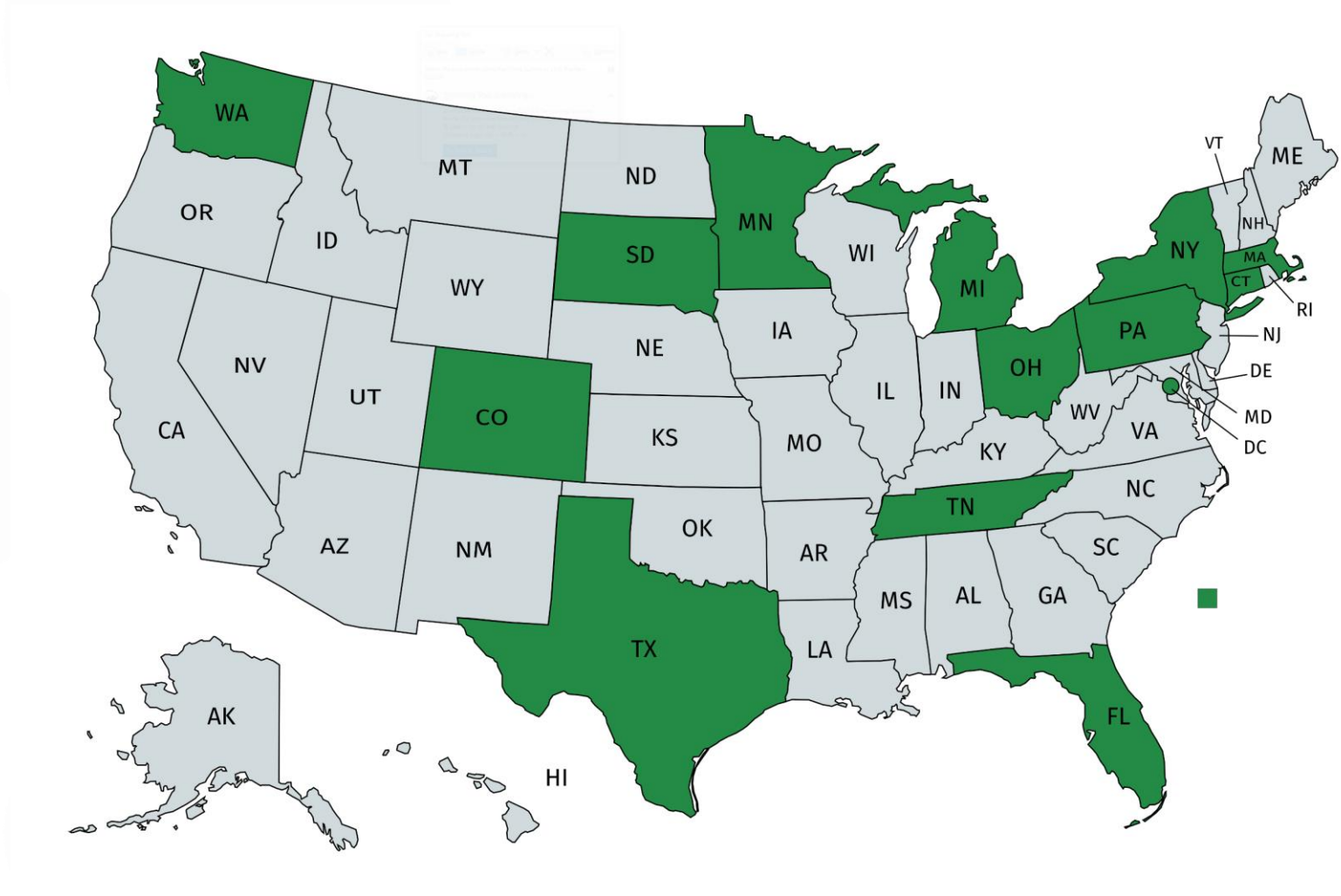




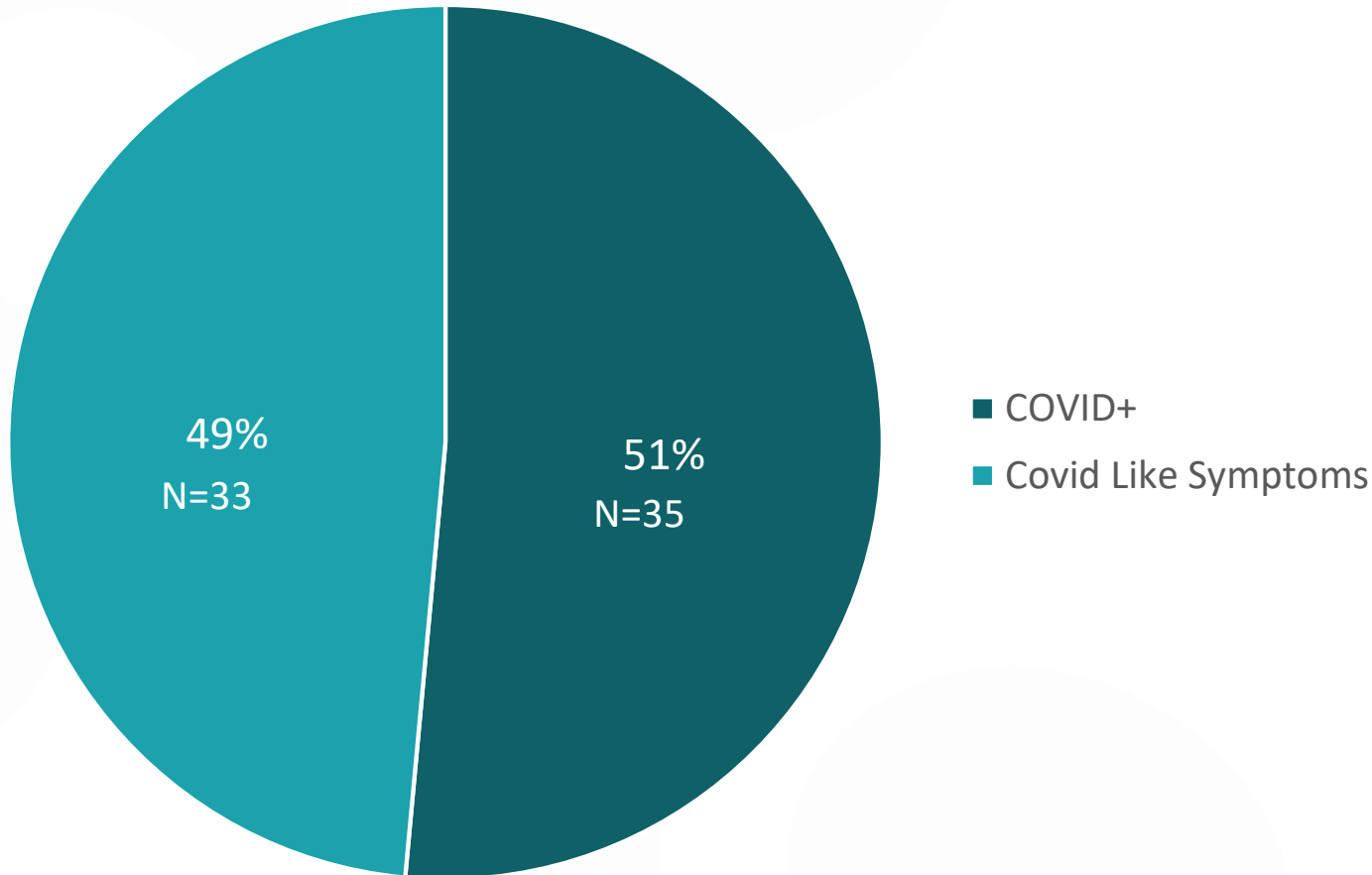
Preliminary data summary for 67 validated cases to be submitted to the T1D COVID-19/COVID-19 Like Illness Provider Registry (5/8/2020 Week 4)

67 Validated Submitted Cases from 14 U.S. States as of 5/7/2020



Initial Sample Reported in COVID Database Have Confirmed COVID+

Patient COVID Status



Definition for COVID-19 positive case:

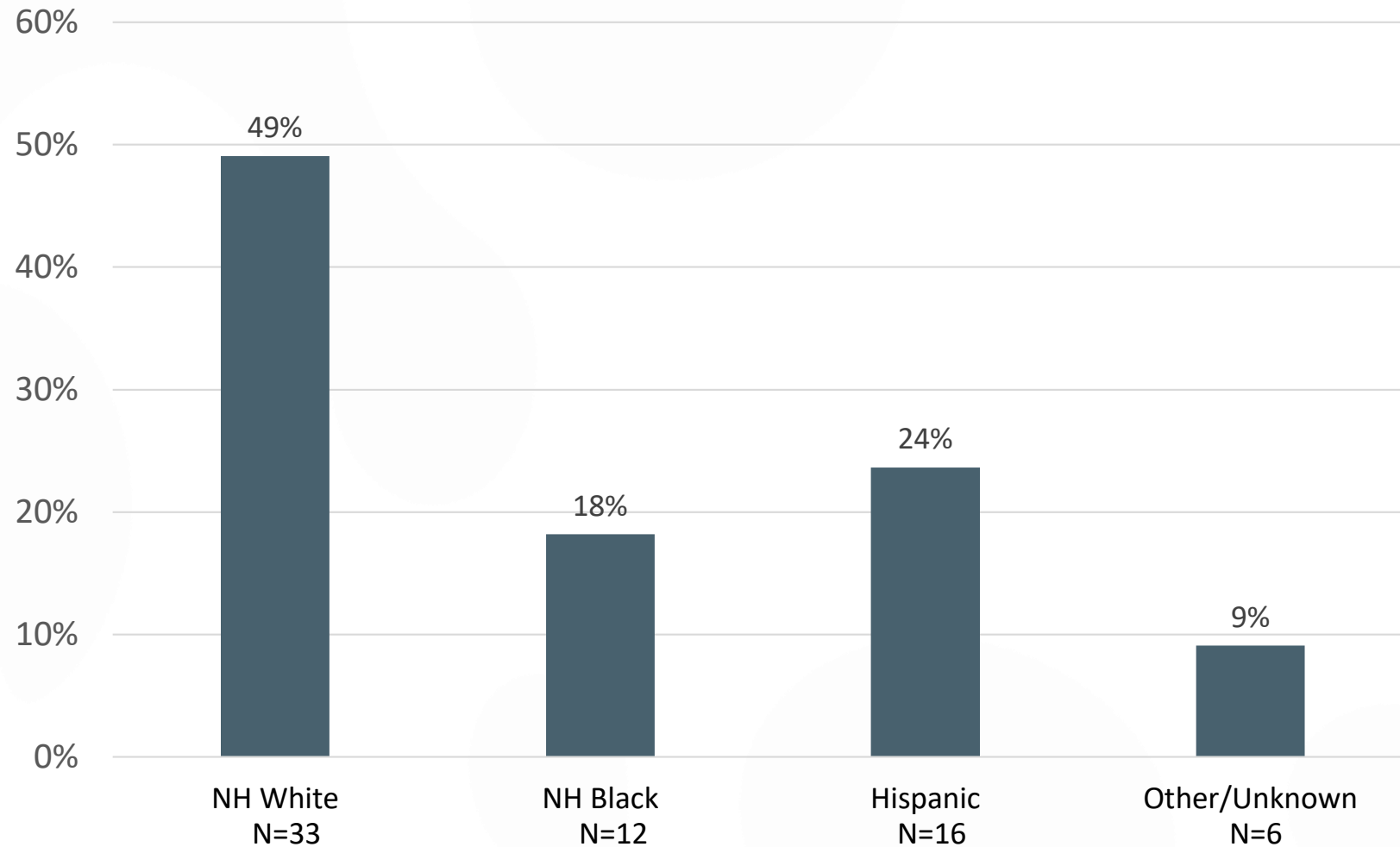
- Patient has tested positive for COVID-19 through either a molecular (polymerase chain reaction (PCR) assay tests of samples collected from nasopharyngeal swabs, throat swabs, sputum, etc.) or serological test (antibody testing).

Definition for COVID-19 like case:

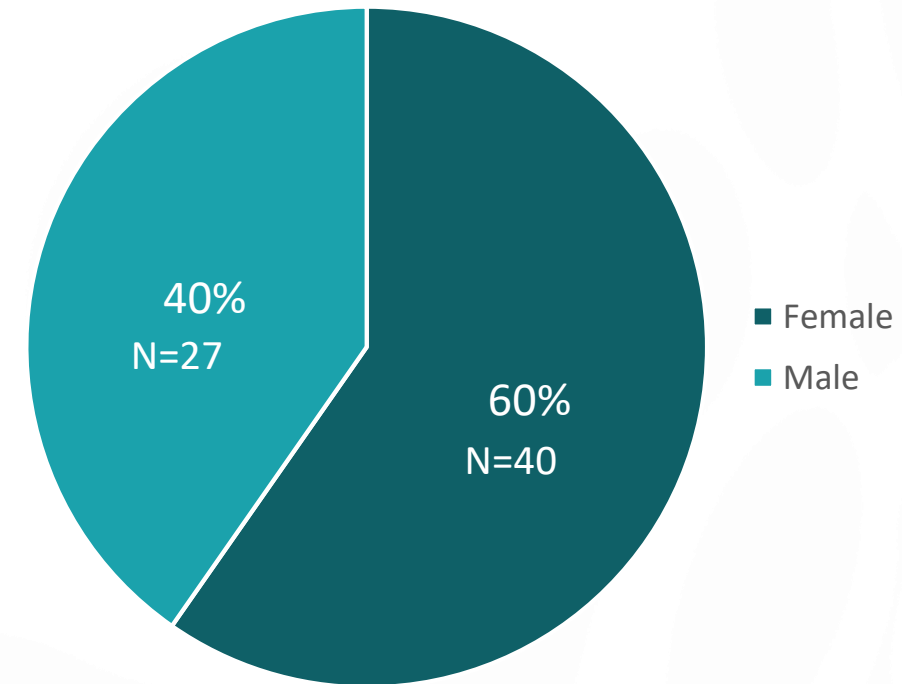
- Patients exhibiting symptom profile of COVID-19 in children:
 - Fever, cough, or shortness of breath (73 %)
 - Fever (56 %)
 - Cough (54 %)
 - Shortness of breath (13 %)
 - Myalgia (23 %)
 - Runny nose (7.2 %)
 - Sore throat (24 %)
 - Headache (28 %)
 - Nausea/Vomiting (11 %)
 - Abdominal pain (5.8 %)
 - Diarrhea (13 %)
- Patients exposed to a confirmed case of COVID-19

Patient Demographics of 67 submitted cases in T1D COVID-19 Database

Race/Ethnicity Distribution



Gender

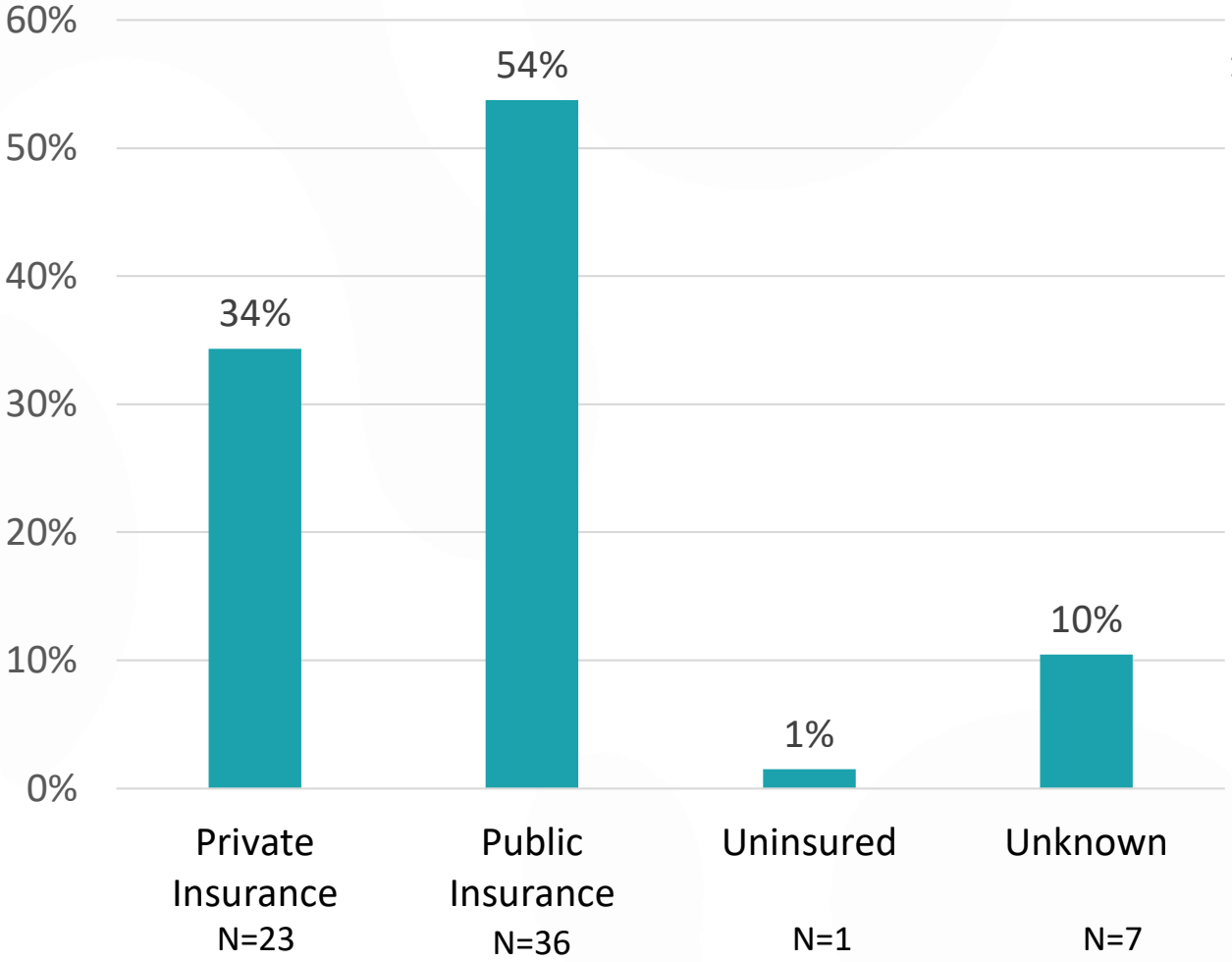


Patient Age and HbA1c of 67 submitted cases in T1D COVID-19 Database

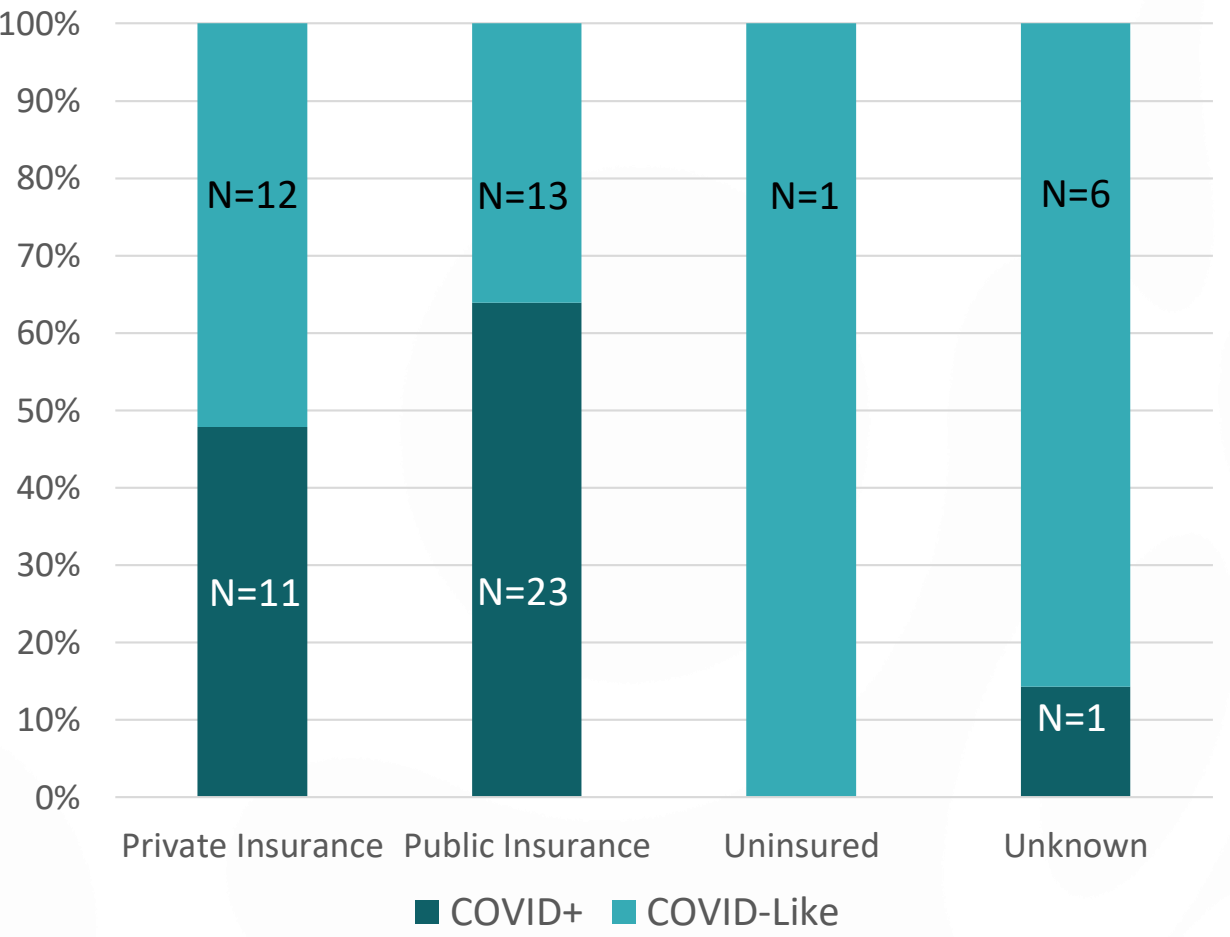
		Mean (SD)	Median	Range	N
Patient Age (Years)		20.49 (14.62)	16.0	6.0 – 79.0	67
	Pediatric (Under 19)	13.33 (3.41)	14.0	6.0 – 18.0	45
	Adult (Older than 18)	35.14 (17.68)	27.0	19.0 – 79.0	22
Most Recent HbA1C (Percent)		8.93 (2.47)	8.0	5.0 - 17.0	62
	Less than 7%	5.86 (0.38)	6.0	5.0 - 6.0	7
	7% - 9%	7.91 (0.77)	8.0	7.0– 9.0	36
	Greater than 9%	11.98 (1.97)	11.0	9.6 – 17.0	19

Patient Insurance Type

Type of Insurance Provider

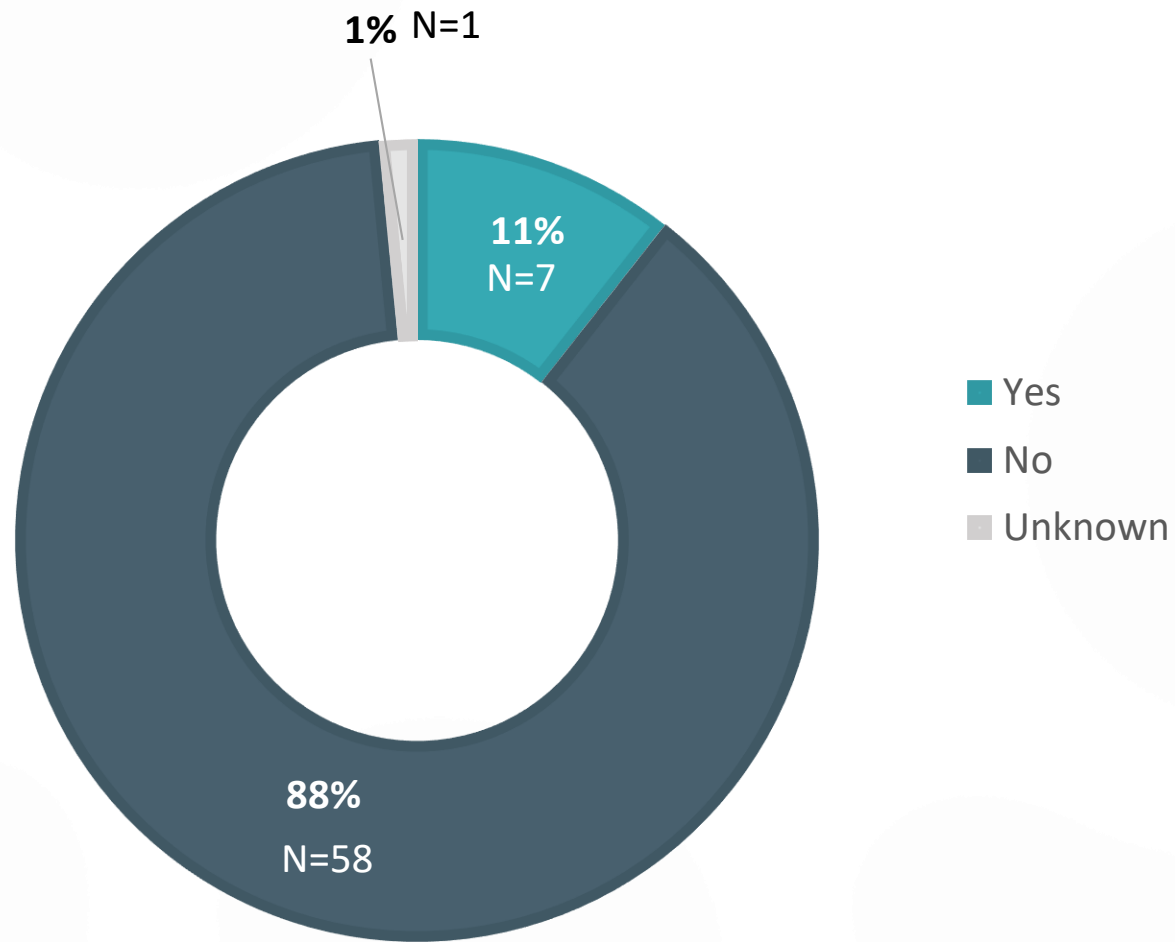


COVID Status (SARS CoV+ or COVID-like)



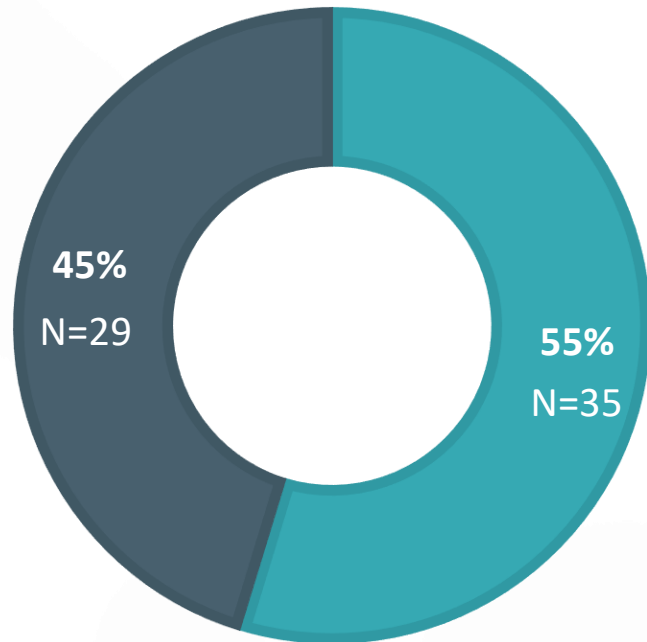
COVID+ and COVID Like Symptoms

NEW ONSET OF T1D



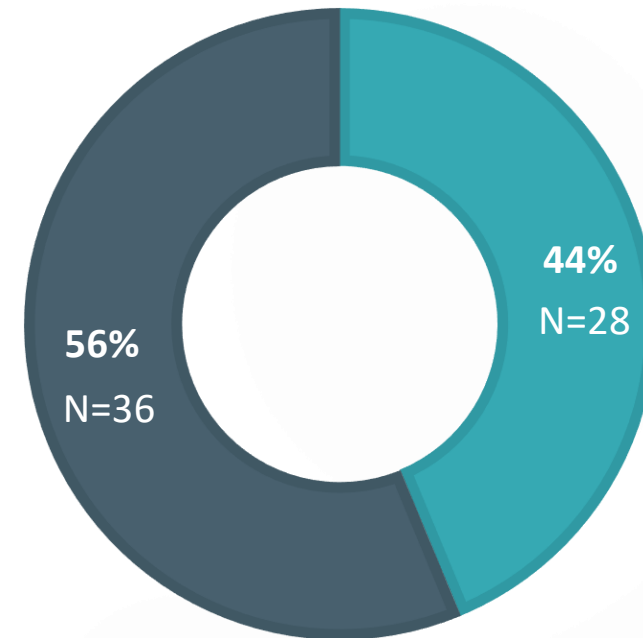
Patient Device Use

CGM USE



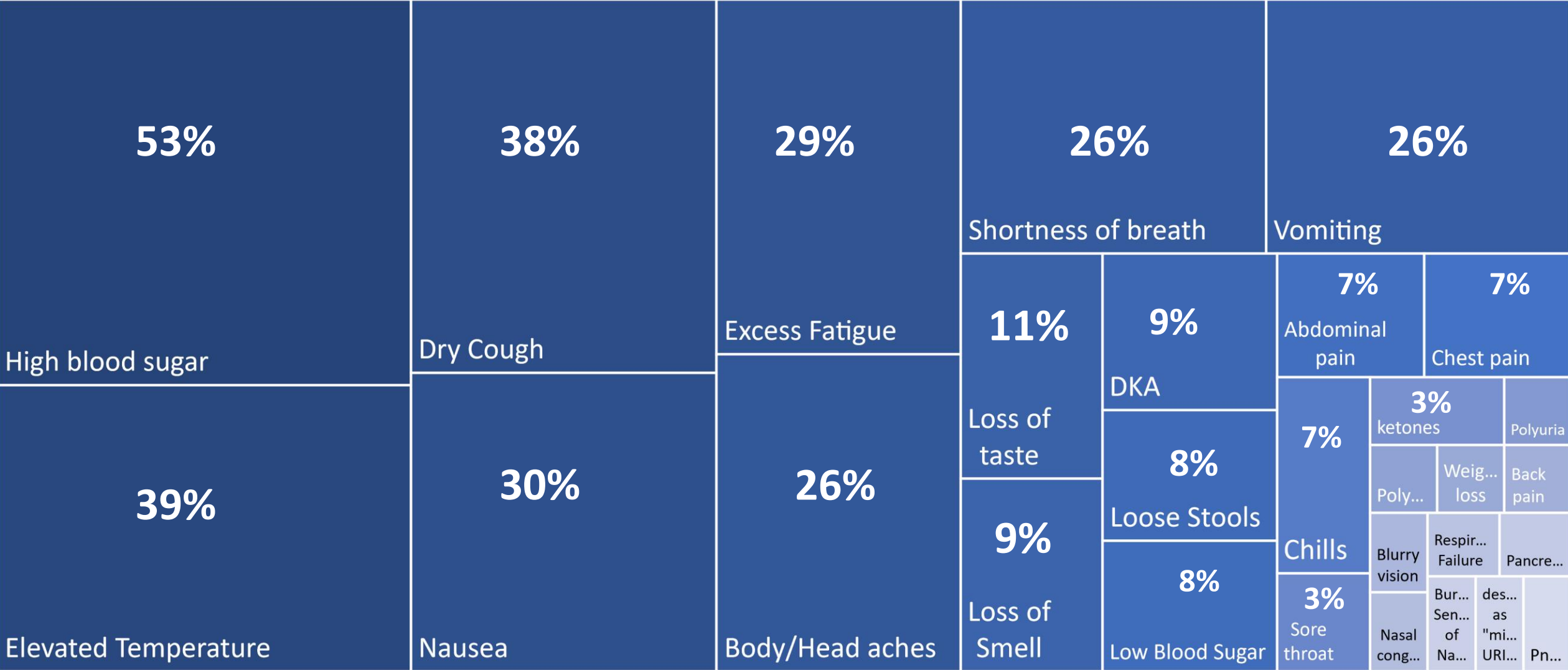
■ Yes
■ No

INSULIN PUMP USE

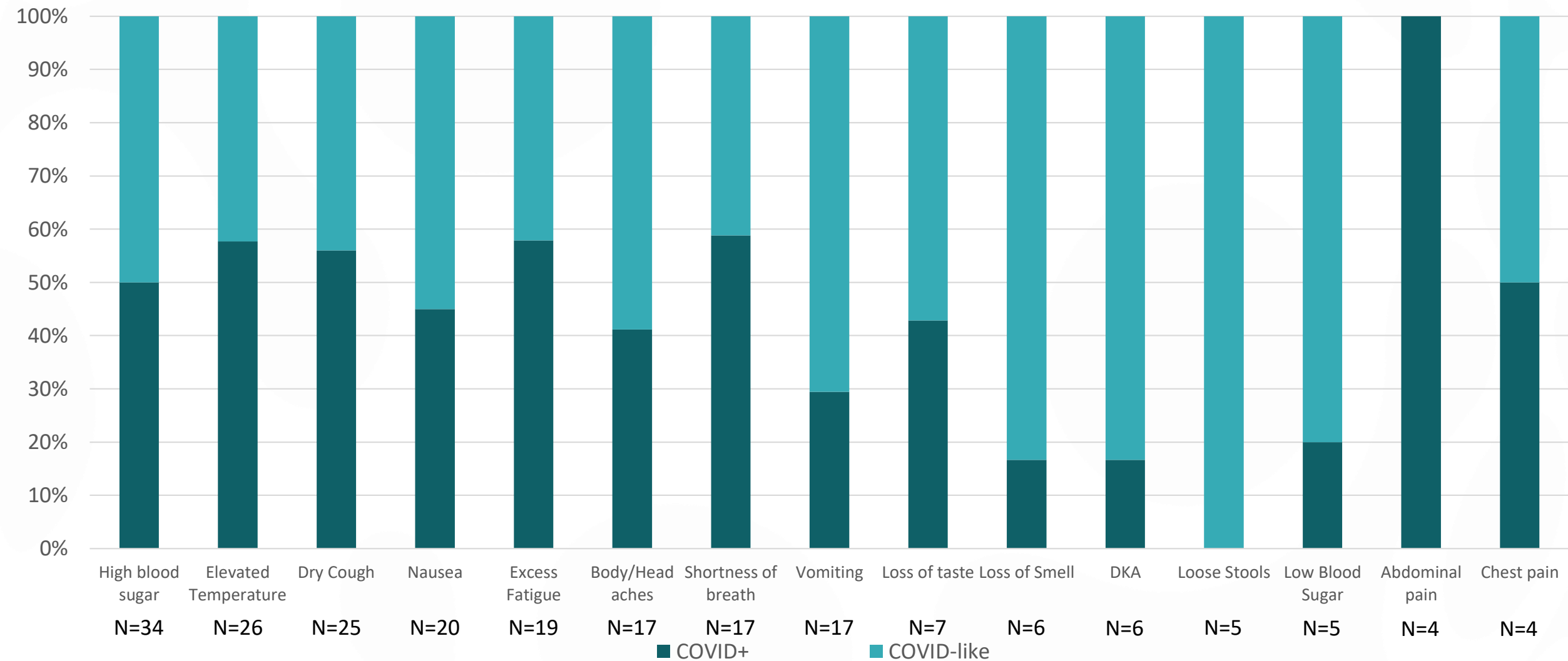


■ Yes
■ No

COVID+ or COVID Like Disease Patient Symptoms

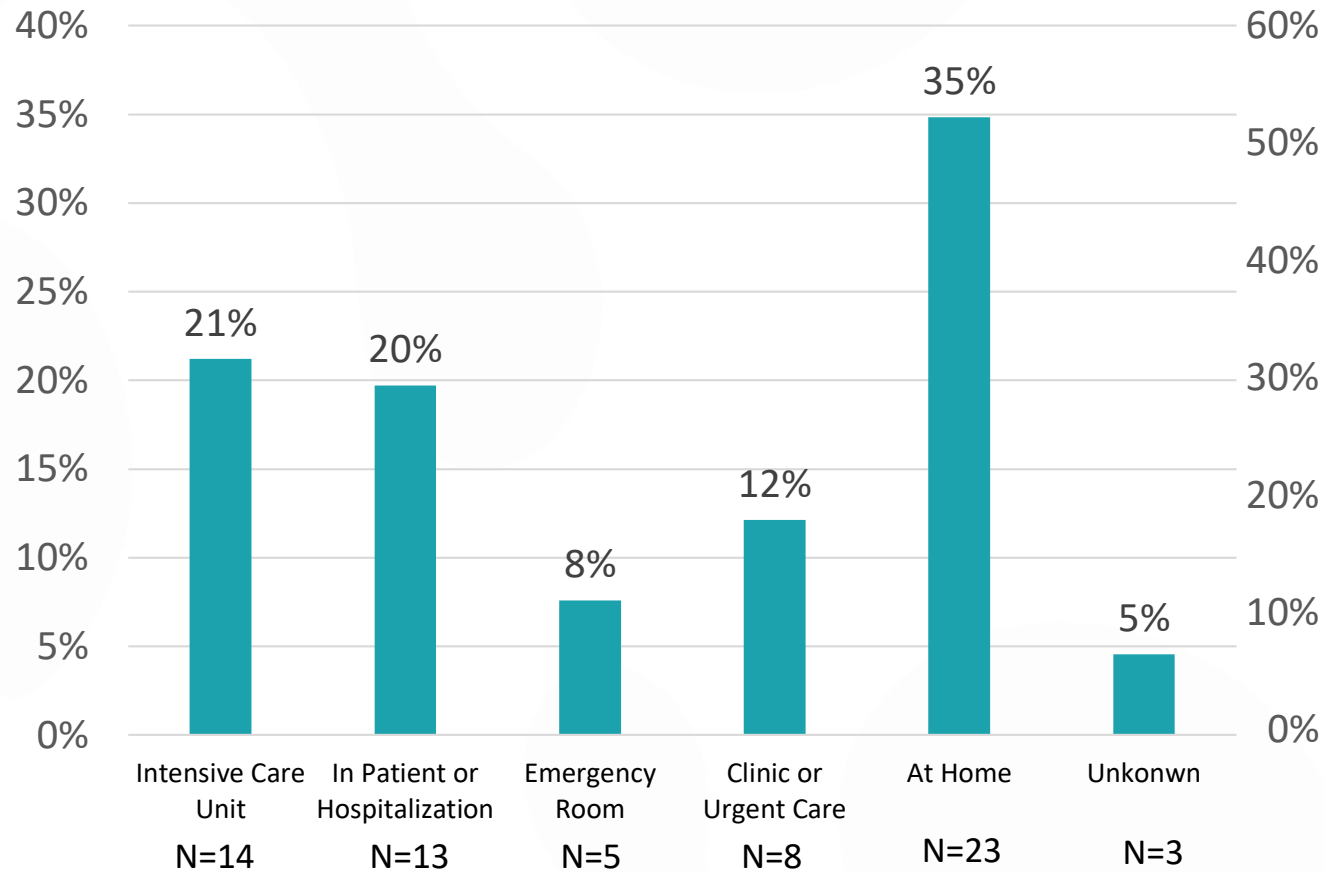


COVID+ or COVID Like Disease Patient Symptoms By COVID Status

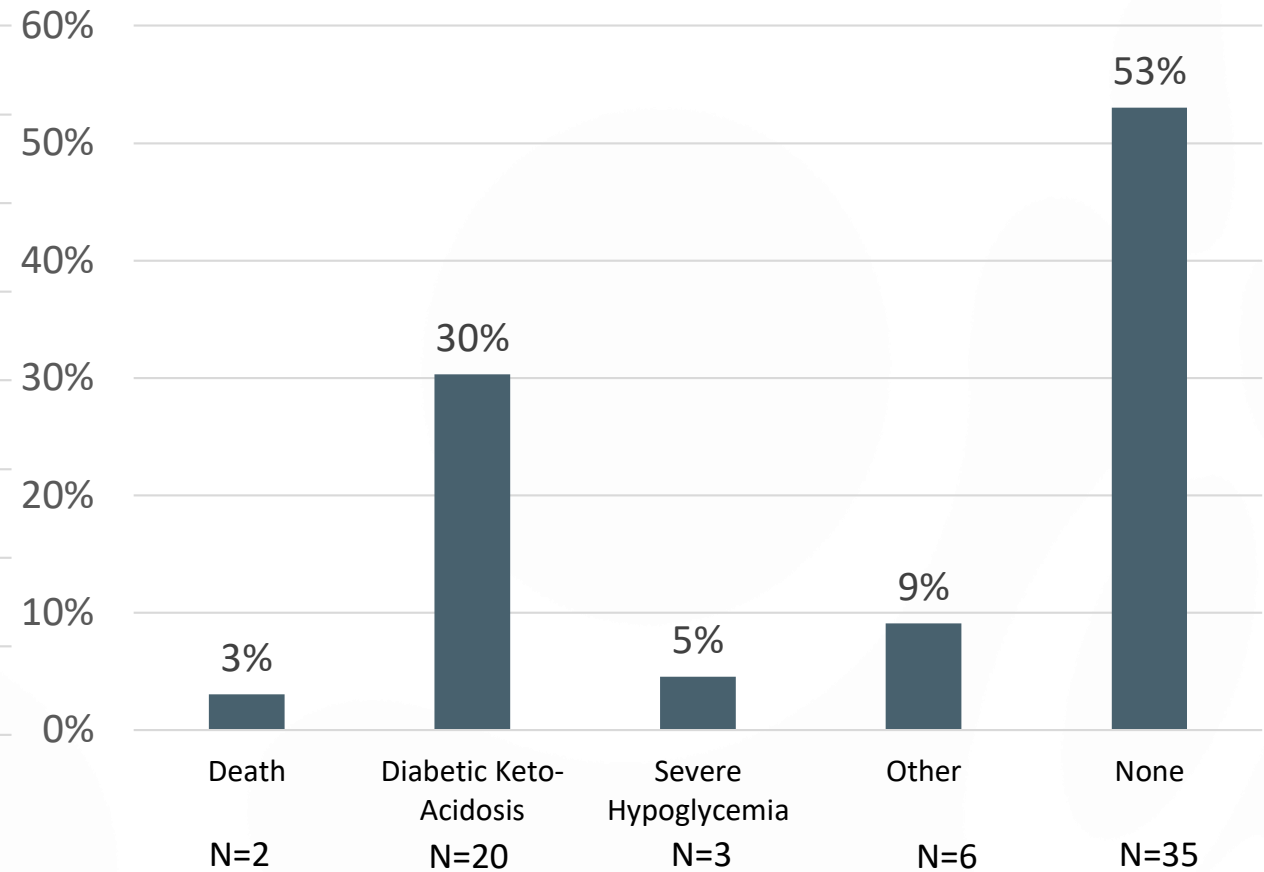


Highest Level of Care Patient Received and T1D Adverse Outcomes of Initial Cases: COVID+ and COVID Like Symptoms

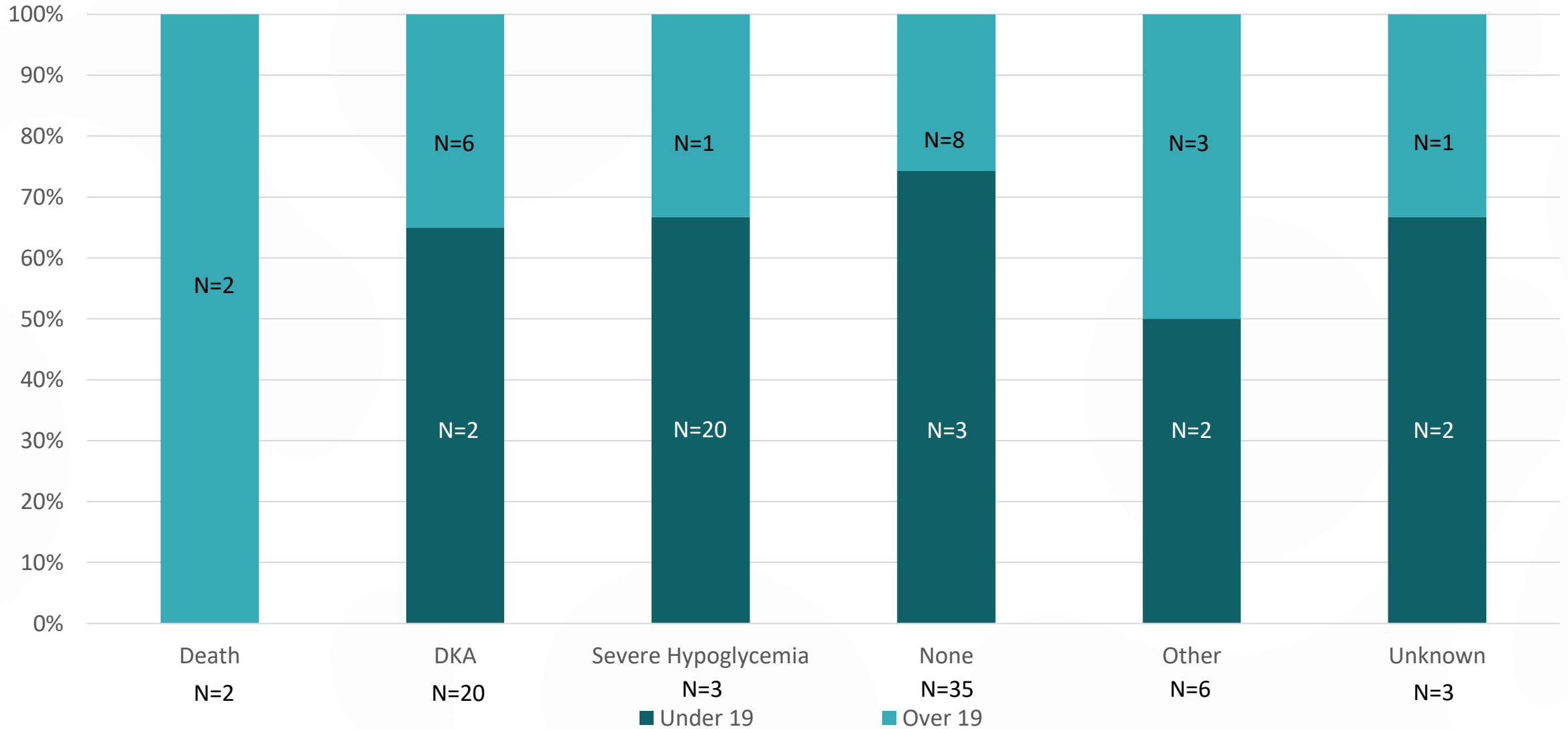
Highest Level of Care at Time of Reporting



T1D Adverse Outcomes

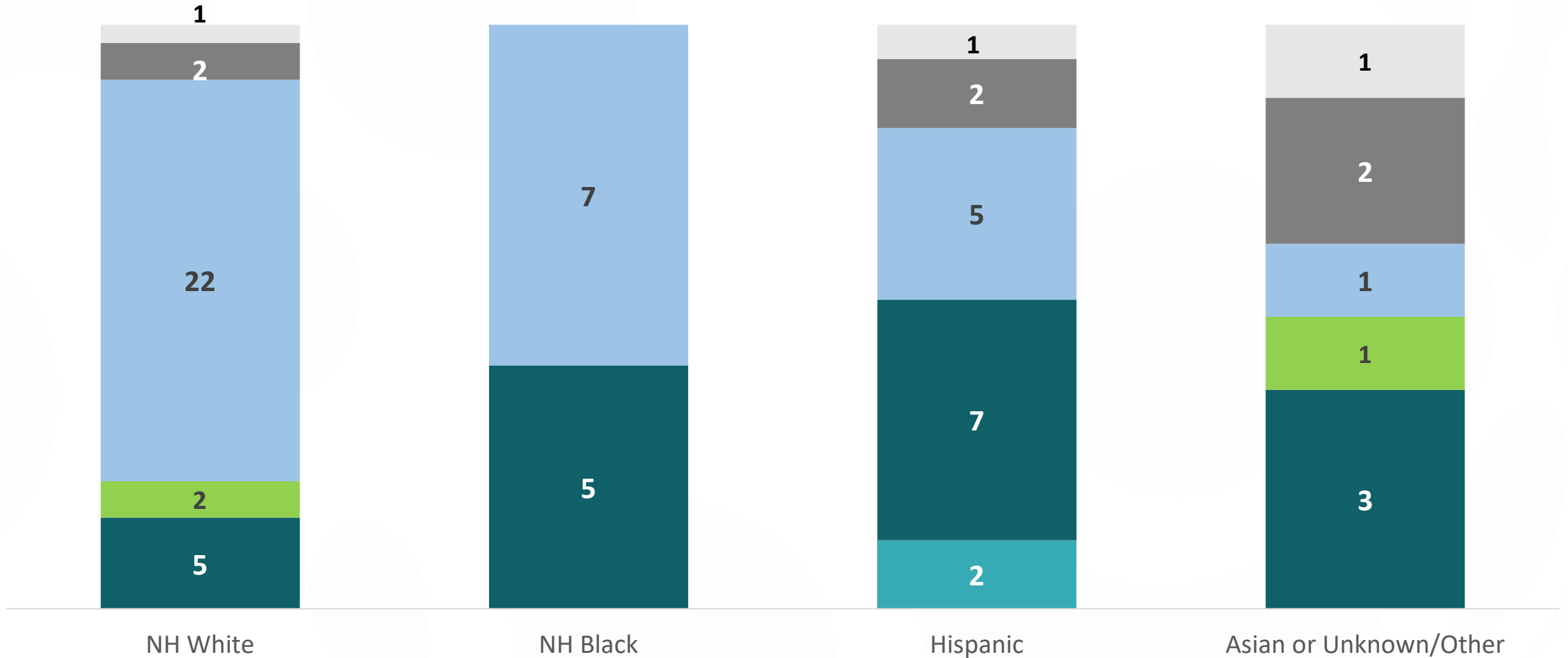


T1D Adverse Outcomes of Initial Cases by Age Category



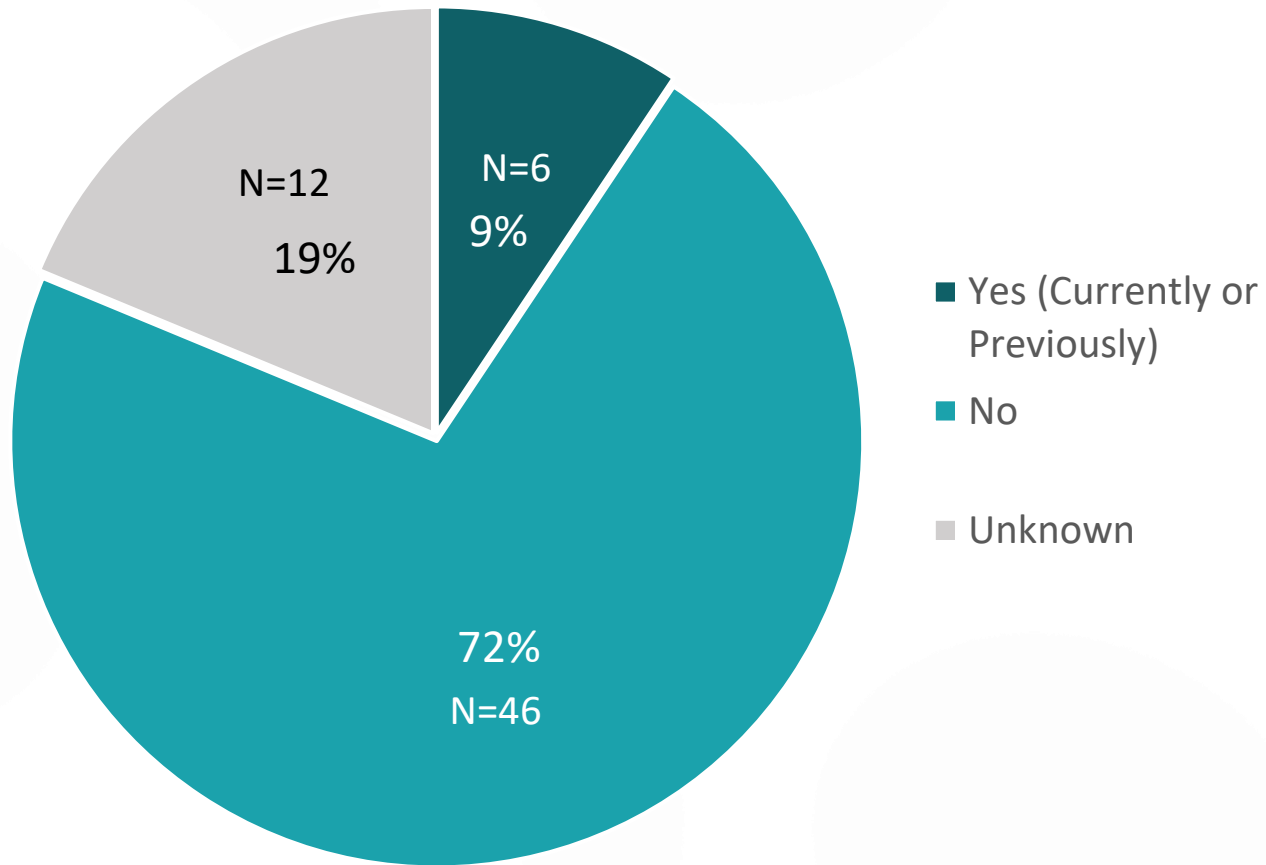
T1D Adverse Outcomes of Initial Cases by Race Category

■ Death ■ DKA ■ Severe Hypoglycemia ■ None ■ Other ■ Unknown

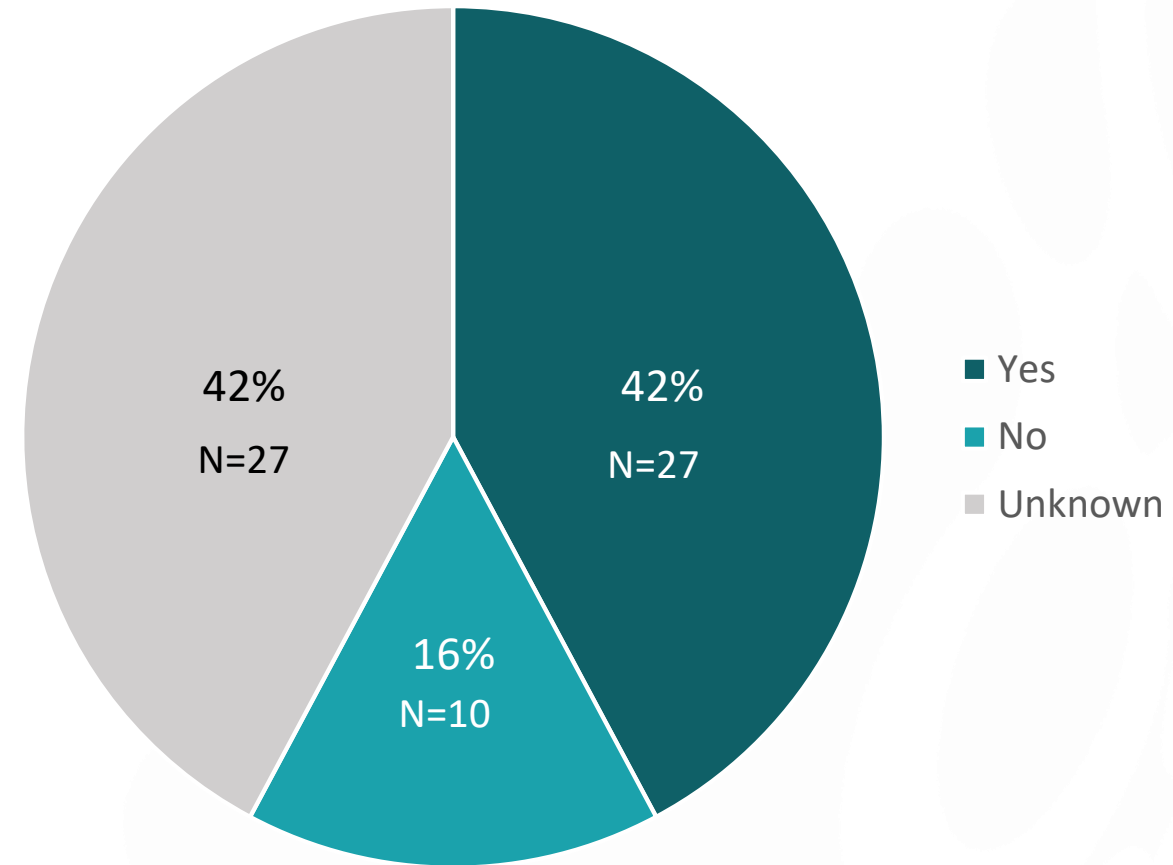


Patient Behaviors

Patient Smoking Status

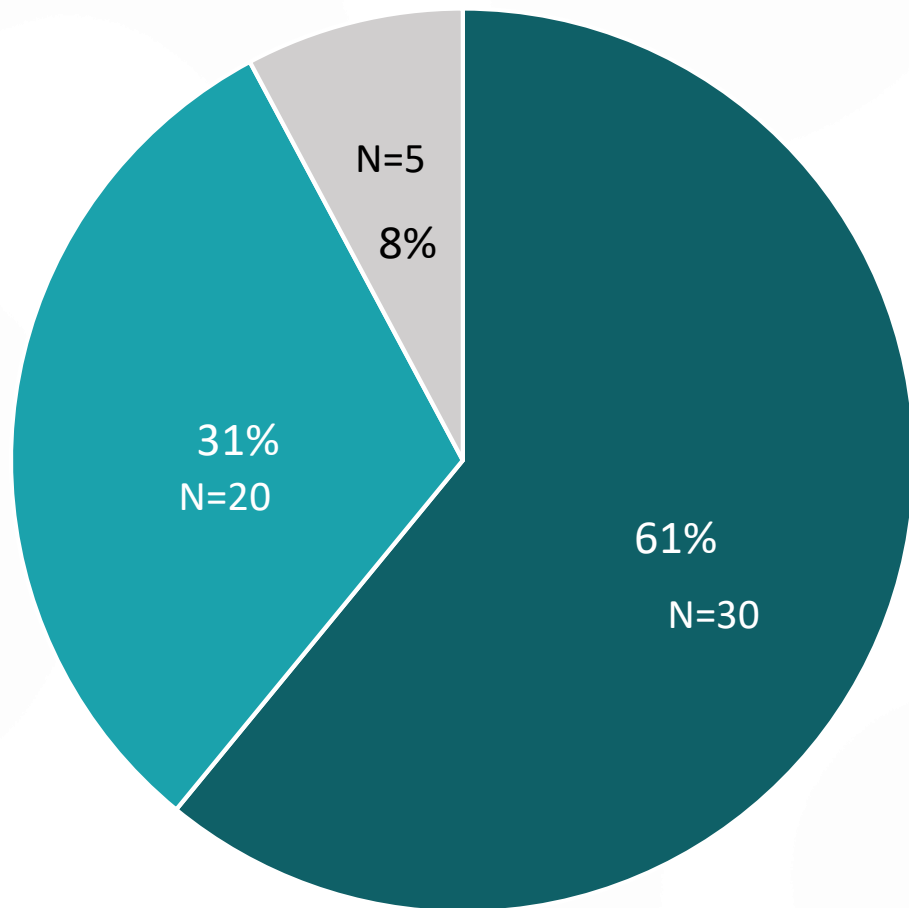


Patient Received Flu Vaccine

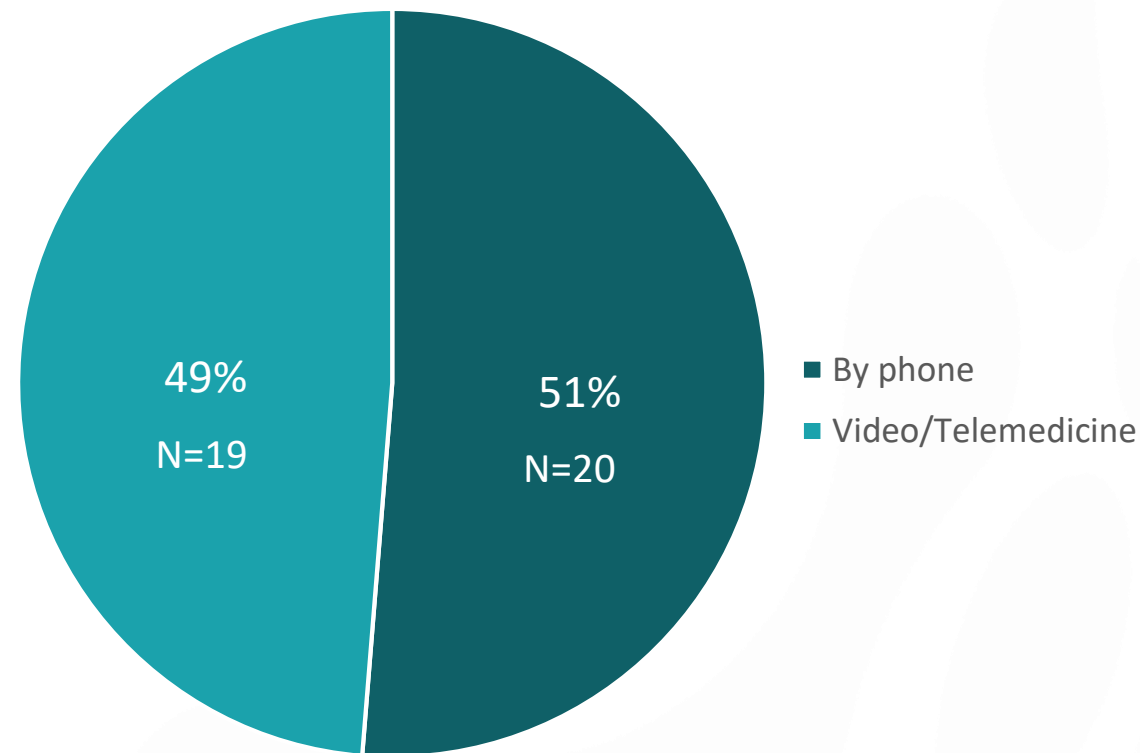


Patient Management and Transition to Telehealth

Patient Managed Remotely



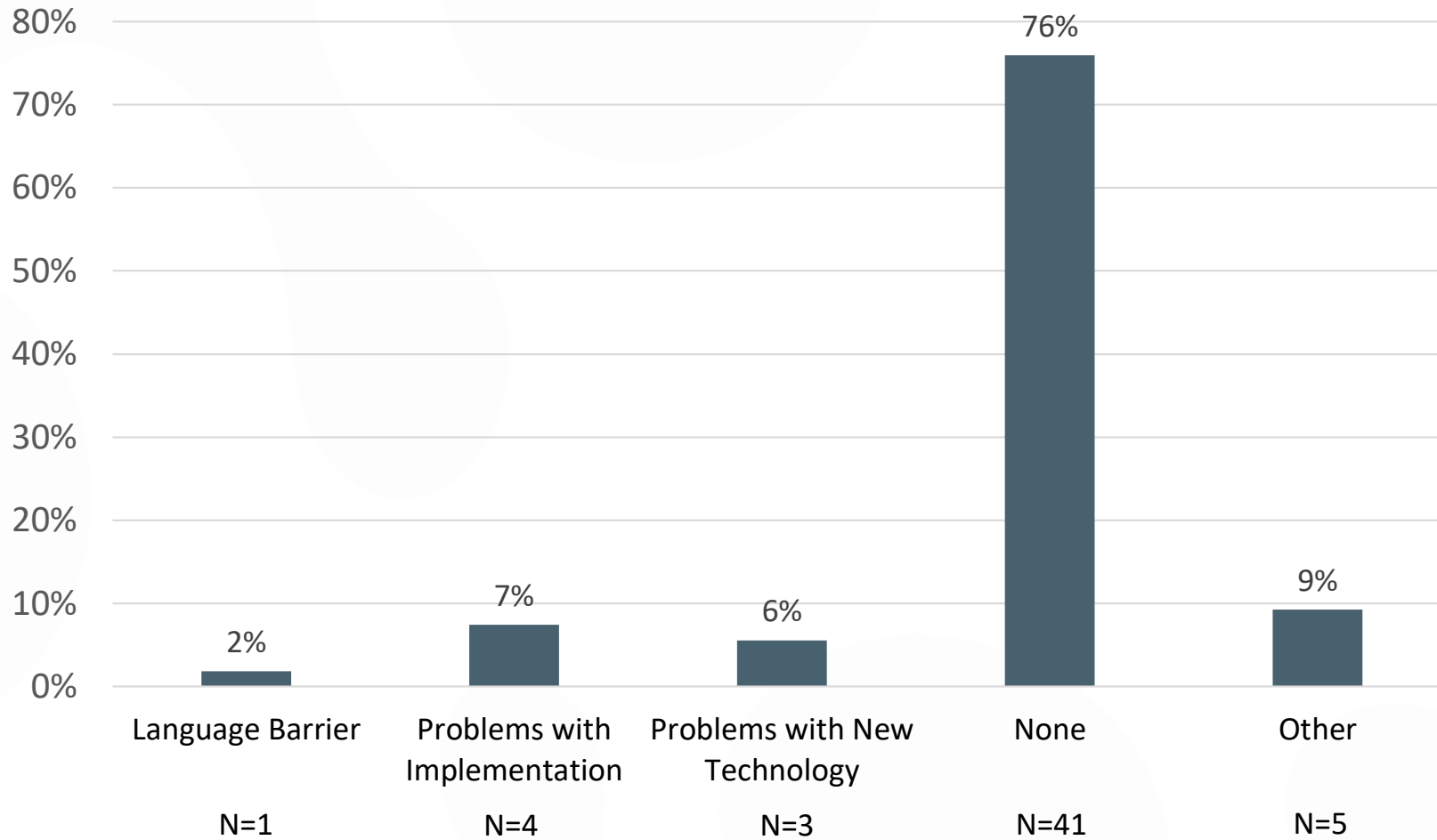
Method of Remote Care



Percentages of the 30 patients managed remotely

Challenges with Implementation to Telehealth

Problems Managing Care Remotely



One free-text response to “Challenges with Managing Patient Remotely”:

- Inability to perform hands on activities

Characteristics of Patient Deaths (n=2) Reported in Registry

- 79-year-old, Hispanic male from New York State
- Confirmed positive SARS CoV-2 test
- Symptoms: Excess Fatigue and Loss of Taste
- T1D diagnosis for more than 20 years
 - Last HbA1c value: 9.3%
 - Patient did not use CGM or insulin pump
- Comorbidities:
 - Hypertension
 - No known history of smoking
- Case History Notes:
 - “Very healthy prior to developing COVID-19”

Characteristics of Patient Deaths (n=2) Reported in Registry cont.

- 19-year-old, Hispanic female from New York State
- Not tested
- Symptoms: Nausea, Vomiting, Shortness of Breath, Chest Pain, High blood Sugar
- T1D diagnosis for 6-10 years
 - Last HbA1c value: 11.5%
 - Patient did not use CGM or insulin pump
- Comorbidities:
 - Asthma, Anxiety, Pulmonary Embolism, Depression
 - Current Smoker

Manuscript Writing Groups

COVID-19 and T1D in Children (less than 18)

COVID-19 and T1D in Adult (less than 18)

We need your help



- Promote and share the study www.t1dexchange.org/COVID19
- Submit non-identifiable relevant cases (Pediatric and Adult)
- Share topic ideas, join a manuscript group
- Questions about the study can be directed to qi@t1dexchange.org