

# EPIDEMIOLOGICAL TRENDS IN PEDIATRIC BURN INJURIES IN GEORGIA

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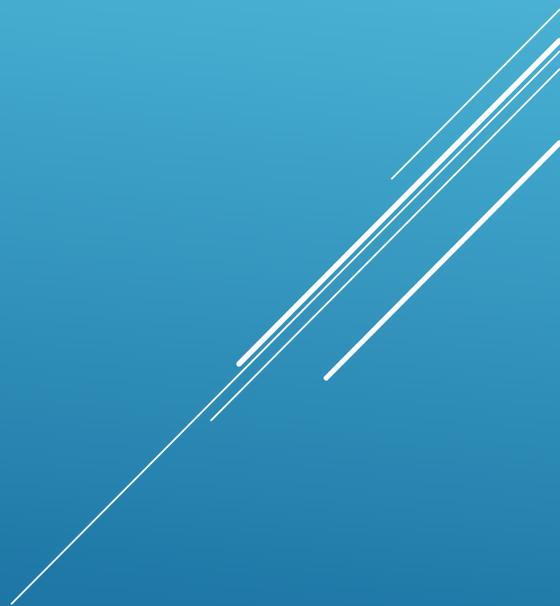
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# INTRODUCTION

- ▶ Burn injuries is a significant public health problem in Georgia.
  - ▶ Most vulnerable age group for burn injuries are Pediatric patients globally, as well as in Georgia.
  - ▶ According to database of NCDC Burn injuries hold second place among leading causes of pediatric traumatic injuries in Georgia.
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# AIMS

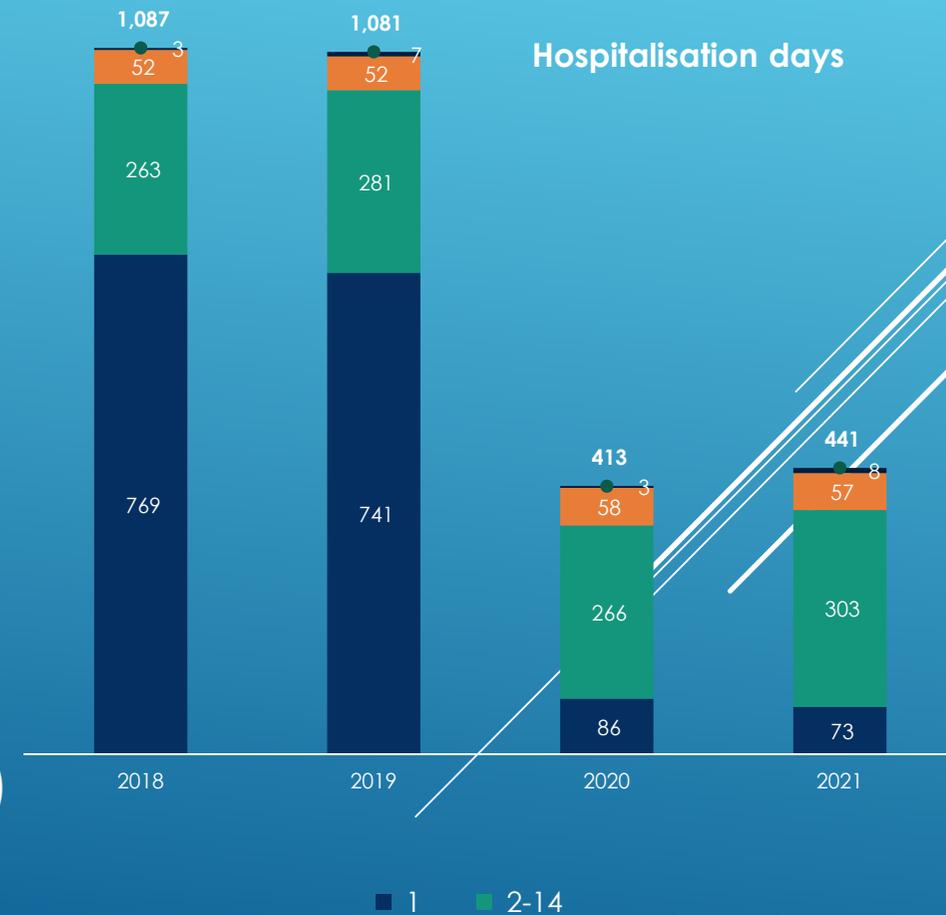
- ▶ The aim of the research is to study epidemiological characteristics and trends for burn injuries in Georgia among pediatric population, during 5 years (2017-2021).

# METHODS

- ▶ A retrospective study
  - ▶ Hospitalization registry of National Center for Disease Control and Public Health, Georgia.
  - ▶ Data was analyzed in SPSS (version 21)
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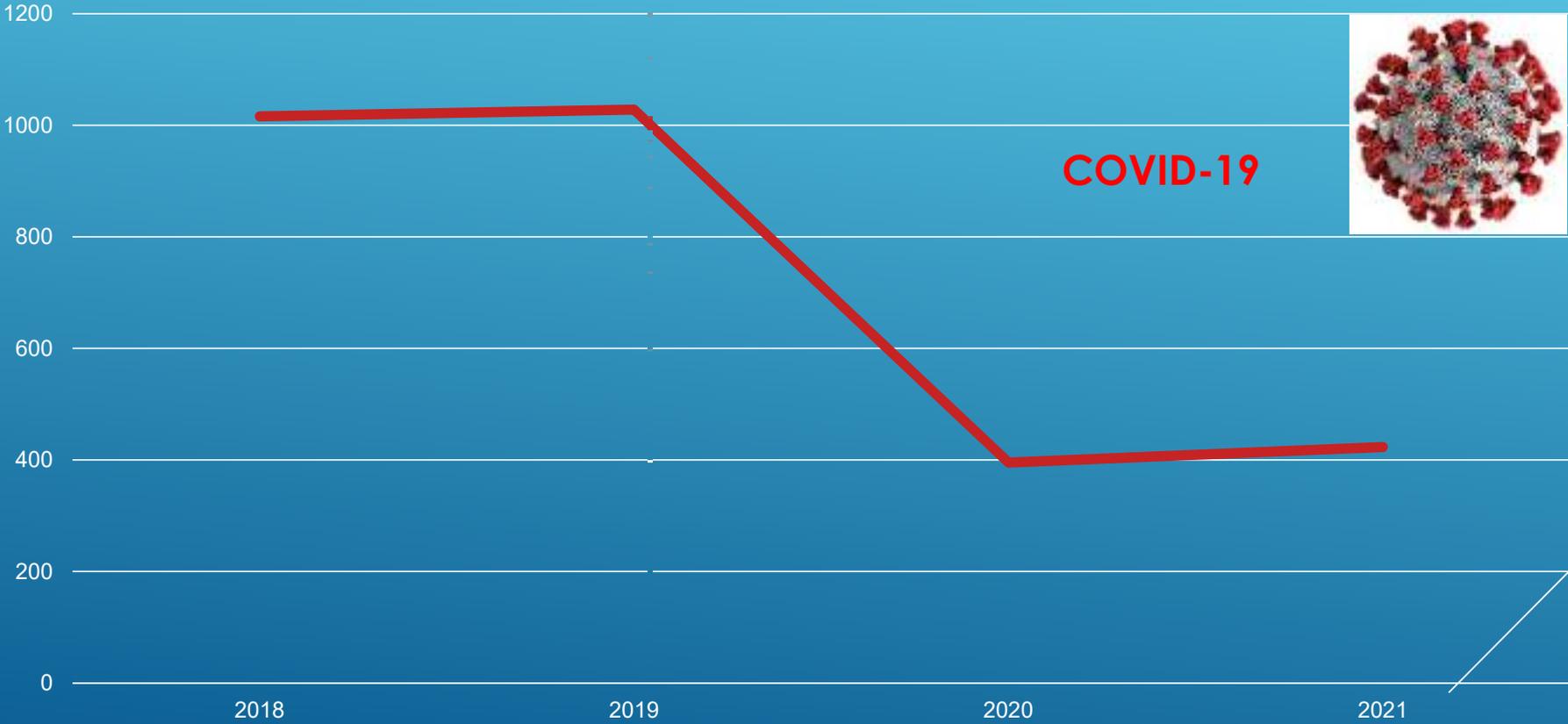
# RESULTS

- ▶ Total number of 4309 pediatric patients with burn injuries were hospitalized during selected 5 years.
- ▶ More male were injured than female (Male- 2493 female – 1816 cases)
- ▶ Most of the cases accounted for children aged 0-1 years (2094 cases)
- ▶ Most affected region was Tbilisi, followed by Imereti and Kvemo Kartli
- ▶ Death rate for each year was 0,2% (2-3 yearly cases)



# BURN INJURIES – TRENDS

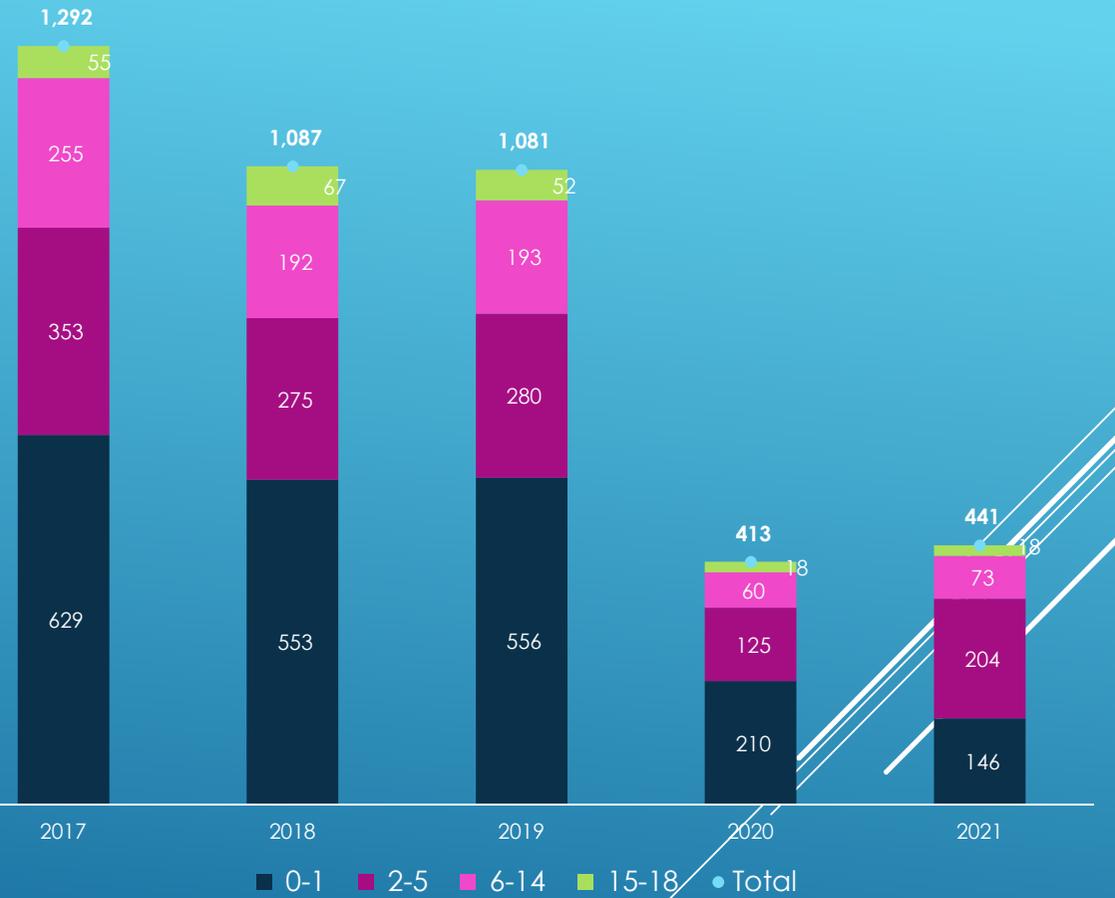
2018 - 2021 trend for annual cases (number of cases)



# Male/Female Distribution



# Age Distribution



# Types of Burns



■ Thermal Burns ■ Chemical Burns ■ Freeze injuries ■ Total

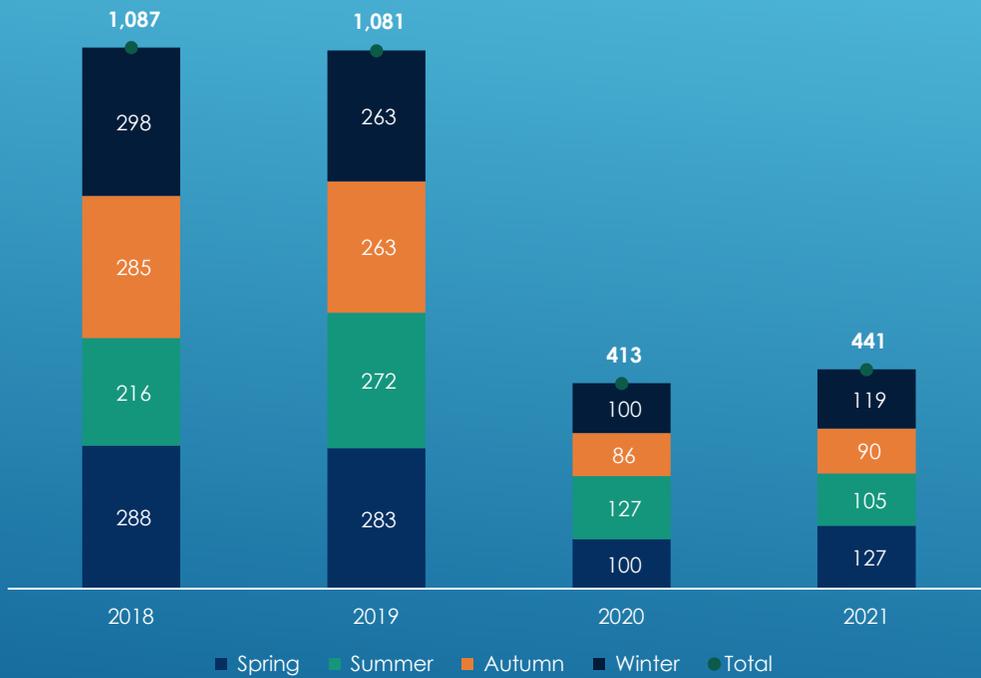
# External causes



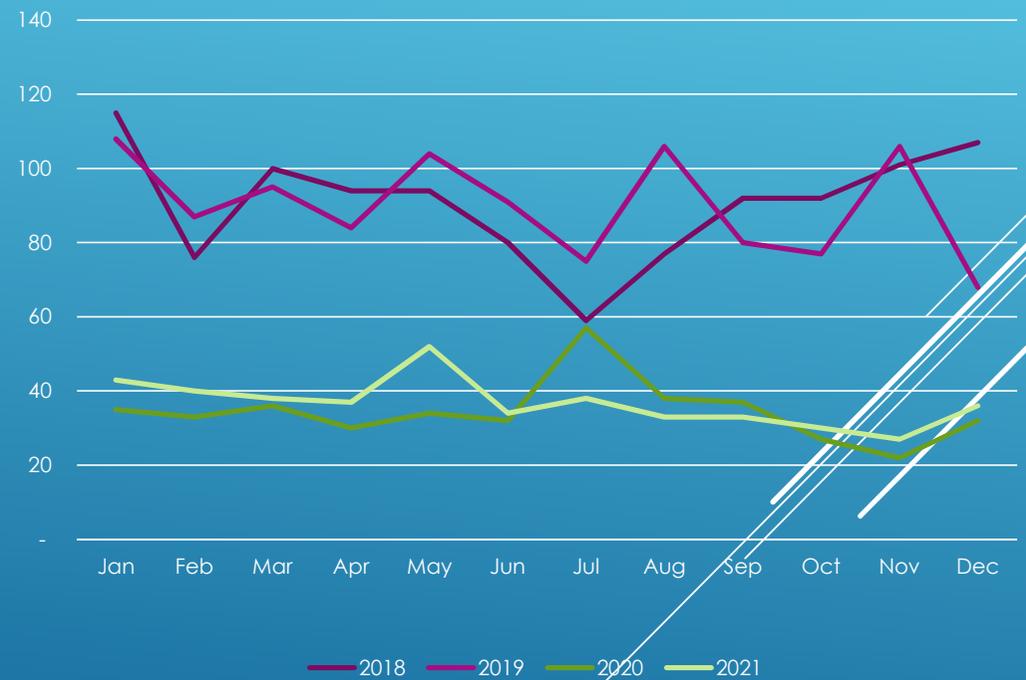
■ X12 ■ X16 ■ X02 ■ other ● Total

# Seasonal Variation

## Overall Seasonality



## Seasonality Monthly



# CONCLUSION

- ▶ Burn related injuries are characterized with high morbidity among children in Georgia
- ▶ Most frequent types of burn injuries : Hot liquid scalds
- ▶ More epidemiological studies must to be conducted
- ▶ Preventive measures need to be implemented



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