

BACKGROUND

- **Every 30 seconds**, someone undergoes an amputation due to diabetes.
- Diabetic foot exams present a **noninvasive method** for screening and monitoring disease progression.
- **Podiatry and physical therapy** are effective for preventing and managing diabetic foot syndrome.
- There is a **lack of access** to high quality foot care in Eastern NC.

AIMS

- Provide **free, high quality, and equitable** foot care at the Greenville Community Shelter Clinic.
- Host an **interdisciplinary** foot care clinic consisting of foot exams, podiatry services, physical therapy, and social work.
- **Conduct quality measures** to assess pain levels, patient satisfaction, and adherence to recommended lifestyle changes.

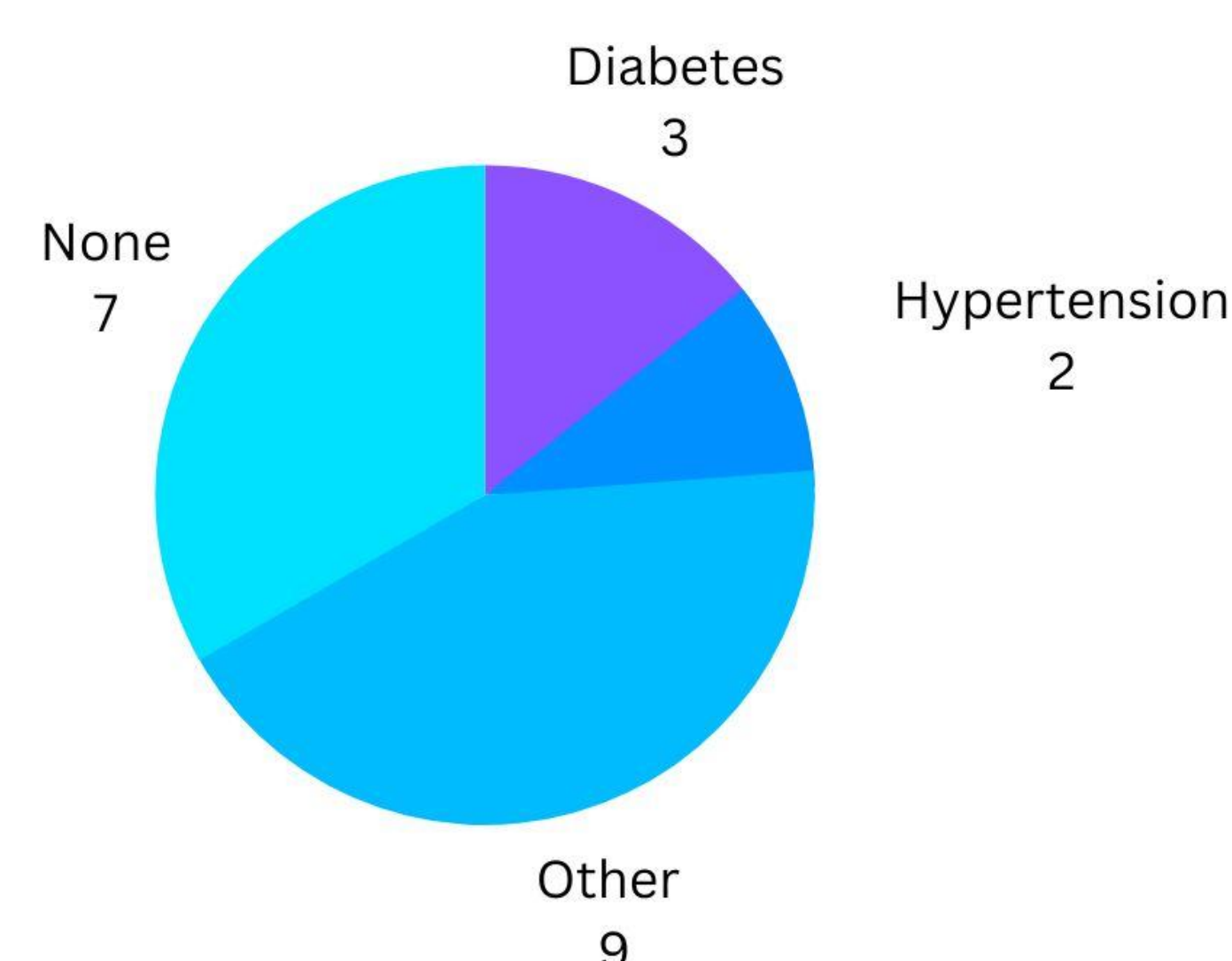


METHODS

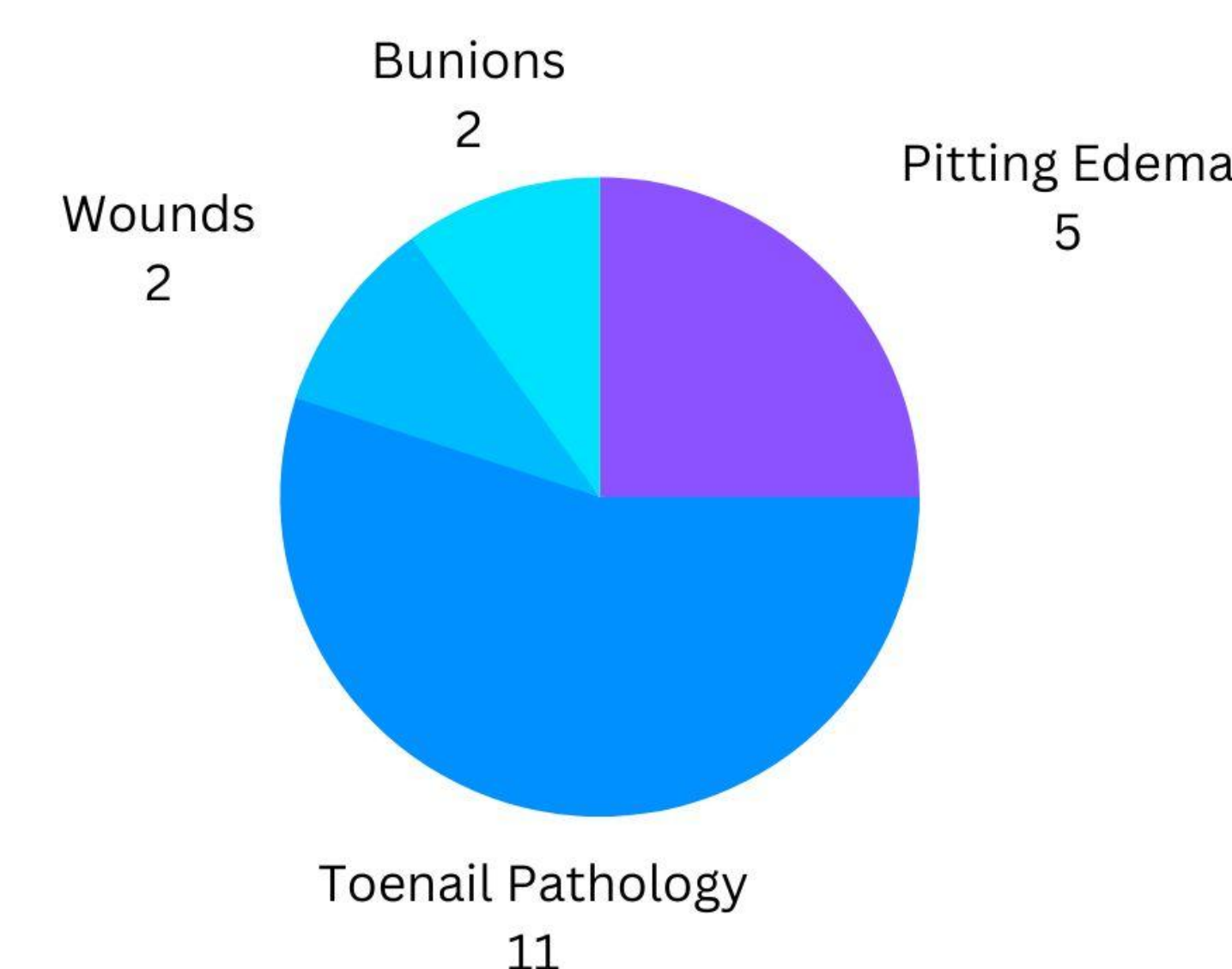
- Used a **podiatrist-approved diabetic foot exam** checklist to quantify the presentation of various foot pathologies and relevant past medical history.
- Patients completed a survey to rate their **pain levels before and after** attending the clinic and rated their satisfaction with the services we offered.
- Ran a **Wilcoxon Signed Rank Test** in IBM SPSS to assess for significant reductions in pain levels.

RESULTS

Pre-Existing Conditions



Common Pathologies



Null Hypothesis	Test	Sig. ^{a,b}	Decision
The median of differences between PainBefore and PainAfter equals 0.	Related-Samples Wilcoxon Signed Rank Test	.002	Reject the null hypothesis.

- There was a **statistically significant reduction in pain scores** that resulted from patients visiting the community foot clinic.

DISCUSSION

- The majority of patients attending with pre-existing conditions had **diabetes or hypertension**.
- **Toenail pathology** was the most commonly treated condition.
- **Average patient satisfaction** with services offered at the foot clinic was **4.85/5**.
- **Average likelihood of continuing** recommended treatments was **5/5**.
- **Average likelihood of attending** another foot clinic was **4.6/5**.

FUTURE DIRECTIONS

- **Conduct 3-month follow-up** with patients to assess long term quality of life outcomes and adherence to recommended foot care practices.
- **Partner with ECU Health** to connect with hospital patients who could benefit from our free clinics.
- **Create a mobile foot care clinic** that can reach patients without access to reliable transportation.