





# Learning Outcomes 100% learners will list two STEP components 100% learners will identify one STEP impact among caregivers 100% learners will describe one effect of a go-bag











- Initial cost \$250,000
- Mortality rate of 8%

(Petitt-Schieber, et al., 2021)

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## At CHLA

- 6% increase in tracheostomy-related admissions from 2018-2022
- **37%** tracheostomy "gobag" compliance

inagine THE POSSIBILITIES















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	Interventions	Readmission rate	Confidence	Trach go bag compliance	
	Multidisciplinary standardized tracheostomy education	Yes	Yes	Yes	
	Emergency simulations	Yes	Yes	Not mentioned	
	"Go-Bag"	Yes	Yes	Yes	
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# Methodology Phase 1: Process Development

- Stakeholder CollaborationMajor stakeholders
  - Patient and Family Education

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STEPs to Home Discharge

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**Step 4:** Tracheostomy Skills Training

**Step 5:** Home Mechanical Ventilator (HMV) Multidisciplinary Action Plan (MAP) \*If applicable

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Criteria	Tracheostomy procedure done at CHLA
	Not discharged to a facility
	Spanish- and/or English-speaking caregivers
	Not discharged home
	No serious comorbidities

































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Pre- implementation	Post- Implementation	
2 <sup>nd</sup> week Home acclamation	2 <sup>nd</sup> week Home acclamation	
3 <sup>rd</sup> week Complications	3 <sup>rd</sup> week Complications	







# Perception on the Standardized Go-Bag

35<sup>th</sup>

· Minimized stress

- Convenient and accessible
- Helped user confidence

















### **Lessons Learned**

- Multidisciplinary collaboration
- Team communication
- Clarity of education plan

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64



65

# Conclusion

*STEP* may improve tracheostomy-related outcomes such as:

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- Discharge readiness
- Coping difficulty

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- Tracheostomy-related readmission
- "Go-bag" compliance and confidence



#### References

- Sandler, M. L., Ayele, N., Ncogoza, I., Blanchette, S., Munhall, D. S., Marques, B., & Nuss, R. C. (2019). Improving tracheostomy care in resource-limited settings. Annals of Otology, Rhinology & Laryngology, 129(2), 181-190. https://doi.org/10.1177/0003489419882972
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- Antenninas, 214. https://dxian.org/ac.ac.us/jete/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadou acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/acadous/aca
- Caloway, C., Yamasaki, A., Callans, K. M., Shah, M., Kaplan, R. S., & Hartnick, C. (2020). Quantifying the benefits from a care coordination program for tracheostomy placement in neonates. International Journal of Pediatric Otorhinolaryregology, 134, 110025. https://doi.org/10.1016/j.ppelr.2020.10025

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Urren, A., Kordinge, N., Okorio, S. N., Natraj, C., Ward, M. J., Clapper, T. C., Abramson, E., & Ching, K. (2021). Simulation-based discharge education program for caregivers of children with Tracheostomies. Hospital Pediatrics, 11(6), 573–578. <u>https://doi.org/10.1231/pedis.2020.00984</u> **35**<sup>th</sup>

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- McCasland, M. & Brooks, R. L. (2019). Multidisciplinary team approach improves patient outcomes in tracheostomy patient: A clinical initiative. Official Journal of the Society of Tothinolaryngology and Head -Neck Nurses, 37(2), 6–10.
  B Garg, V., Best, S. & Skinner, M. (2017). Parents' Perception about their Child's Related Tracheostomy-Related Discharge Education: Conventional Analysis. OR: Head M Neck Nurse, 37(2), 6–11.
  Volko, T. A., Parker, S. W., Deakins, K., Waldh, B. K., Fedor, K. L., Valka, T., Ginier, E., & Strickland, S. L. (2020). ARC clinical practice guideline: Management of pediatric patients with networks on the acute care setting. Respiratory Care, 66(1), 144-155. <u>https://doi.org/10.1817/rsscare.08317</u>
  Pediatrici Al-Payer Readmissions in Massachusetts: SPY 2017-2022. Center fof Health Information and Analysis. <u>https://www.chamass.gov/pediatric-readmissions/</u>

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