

Experiences with Recruitment and Implementation of the CASCADE Study by Meta-LARC Practice-Based Research Networks

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Background

- Atopic dermatitis (AD) affects approximately 13% of children under the age of 18¹ and can challenges to the children effected and their families²⁻⁵
- AD represents a large burden in the primary care practice setting in the US ⁵
- The Community-based Assessment of Skin Care, Allergies and Eczema (CASCADE) Study air daily application of an emollient from birth can prevent or delay onset of AD (NCT0340936
- Four practice-based research networks (PBRNs) that were part of Meta-LARC participated
- We describe recruitment methods used and adjustments by PBRNs to ensure adequate en

Overall Objective

To compare the efficacy of the daily use of emollients versus usual care (no routine emollien AD from early infancy to 24 months

Setting and Participants

Each PBRN recruited primary care clinics within their state:

- Oregon Rural Practice-based Research Networks (ORPRN); Oregon (10 clinics)
- Duke Primary Care Research Consortium (PCRC); North Carolina (5 clinics)
- State Network of Colorado Ambulatory Practices & Partners (SNOCAP); Colorado (5 clinics
- Wisconsin Research and Education Network (WREN); Wisconsin (5 clinics)
- Clinic staff invited parent-child dyads to participate (Goal of 50 dyads per clinic over 2 yea
- The recruitment window overlapped with the COVID-19 pandemic (2018-07-03 to 2023-09

Methods

- **Design:** Randomized, multisite, single-blind, pragmatic trial⁶
- Interventions: Eligible dyads were randomized to daily use of lipid-rich emollient group or emollient) group and were to be followed for 24 months
- Both groups received email and text message reminders to follow protocol instructions base allocation until the infant reached 24 months old
- Primary outcome: Eczema by 2 years of age recorded in health record (cumulative incidenc diagnosed AD)
- Inclusion/exclusion criteria: Defined elsewhere,⁶ but included the ability of parents to spea in English or Spanish, have a valid email address or phone that could receive text messages internet access

References

1. Yaghmaie P, et al. J Allergy Clin Immunol. 2013;131(2):428-433. 2. Chamlin SL. The Dermatol Ther. 2006;19(2 al. Arch Dis Child. 1997;76(2):159-162. 4. Schmitt J, et al. Allergy. 2010;65(12):1506-1524. 5. Al-Naqeeb J, et a 2019;32(2):191-200. 6. Eichner B, et al. Trials. 2020;21(1):243.

| | Clinic Support and Recruitment Strategies |
|---------------------------------------|---|
| n present significant | Clinic staff introduced the study to parents and invited them to sel |
| | Screening and enrollment were completed by parents online us |
| | English and Spanish enrollment and recruitment materials were |
| imed to test whether 67) | PBRNs worked with clinic staff using practice facilitation to develop |
| 077 | multiple strategies, such as: |
| nrollment | Placing posters in clinic |
| | Handing out study cards during routine wellness visits |
| | Mailing nre-visit letters to notential participants |
| | • Some recruitment methods were integrated with their clinical care |
| nt use) to prevent | visit and by the providers/clinical staff, while the other approaches |
| | were done asynchronously by study staff |
| | Workflows were adjusted when enrollment goals were not met |
| | |
| | Results |
| | Participants |
| ·c) | Twenty-five participating clinics were located in rural, suburban, ar |
| | Clinics screened 1,873 potential participants from July 2018 to Feb |
| ars) | 1,250 participants were enrolled (67% randomization rate) |
| 9-29) | Impact of COVID-19 |
| | • wen-child visits and online screening/sen-enrollment continued de |
| | • Study recruitment materials could no longer be placed in clinic wa |
| | seduy reer arene materials courd no ronger be placed in ennie wa |
| to control (no | • Sh |
| L L L L L L L L L L L L L L L L L L L | Clinic staff turnover/shortages |
| sed on the group | Changes in electronic medical record systems |
| ce of physician- | |
| | Working with clinics to identify barriers to recruitment and tai |
| eak, read, and write | successful enrollment |
| s, and reliable | Limiting clinic involvement to identifying patients and inviting |
| | workflows • Inviting nationals to colf on roll online was a strategy continued |
| | Regular study meetings facilitated sharing of best practices an |
| | |
| (2):104-107. 3. Su JC, et | Key Poin |
| | Engagement with participating practices and flexibility helped |
| | Collaboration among multiple PBRNs facilitated enrollment of |
| in Diseases | |



