
PubmedID (PMID) or COI: doi:10.1093/jpepsy/jst021

Name of intervention: STAR

Disease/condition – please note any key inclusion/exclusion criteria or condition types/subsets included (e.g., type 1 or type 2 diabetes, symptomatic or non-symptomatic asthma, active cancer or survivor):

Children newly diagnosed with epilepsy, along with a primary caregiver, were approached for study participation from a new-onset seizure clinic at a pediatric children’s hospital in the Midwest. Participants were between 2 and 12 years of age, diagnosed with epilepsy within the past 7 months, and prescribed one AED. To complete questionnaires and assent/consent forms, families had to read/speak English.

Targeted age range (check all that apply):
- Child
- Adolescent
- Other

Intervention participants (check all that apply):
- Child/Adolescent
- Parent(s)/Caregiver(s)
- Healthcare provider(s)
- Sibling(s)
- Peer(s)/Friend(s)
- Other (Specify: )

Intervention format (Check all that apply):
- Individual
- Family/Dyad
- Group
- Other (Specify: )

Intervention content (check all that apply):
- Cognitive-behavioral
- Behavioral
- Educational
- Motivational interviewing
- Objective feedback (e.g., lab results, electronic monitoring, lung function)
Social support
Coping skills
Reminder systems (e.g., texts, alarms, phone calls)
Multisystemic therapy
Other (specify: Problem Solving Skills)

Intervention setting (check all that apply):
- Medical clinic (outpatient)
- Hospital (inpatient)
- Psychology clinic (outpatient)
- Home
- School
- Internet
- Telephone (talking, texting)
- Mobile app (mobile device application)
- Other (Specify:                     )

Interventionist (check all that apply):
- Psychologist
- Graduate student
- Nurse
- Physician
- Disease Educator
- Teacher
- Peer Mentors
- Other (Specify: Postdoctoral Psychology Fellow)

Intervention length/dose (complete whatever details are available):
- Number of sessions: 4
- Length of sessions: 60 minutes
- Frequency of sessions: Weekly
- Over what period of time: 2 Month

Study design:
- Randomized Controlled Trial (RCT)
- Non-randomized comparison group
- Pre-post design
- Single subject design/ABAB/Multiple baseline
- Case study
- Other (please specify:                     )
Type of control group:
- [ ] No control group (N/A)
- [ ] Wait-list
- [x] Treatment as usual
- [ ] Education
- [ ] Attention only
- [ ] Alternate active intervention (Specify:  )
- [ ] Other (specify:  )

Sample size: Intervention N = 4, TAU N = 4

Is adherence a target of intervention?
- [x] Yes
- [ ] No
- [ ] Unclear

Is adherence measured as an outcome?
- [x] Yes – please specify (check all that apply):
  - [ ] Self-report (parent, child, clinician)
  - [x] Objective (electronic monitoring, medication count, pharmacy record, medical record/appointment completion); electronic monitoring via MEMS TrackCaps
  - [ ] Biological (assay)
- [ ] No

If yes, did adherence:
- [ ] Worsen/decrease – which measure(s): _______________________
- [ ] No change – which measure(s): _______________________
- [x] Improve/increase – which measure(s): MEMs, 3 families of 4 improved

Are any indicators of health status/functioning measured as an outcome?
- [ ] Yes – please specify (check all that apply):
  - [ ] Symptom report
  - [ ] Quality of life (QOL)/health-related quality of life (HRQOL)
  - [ ] Clinician assessment of health status
  - [ ] Objective measures (blood test, weight, etc.)
  - [ ] Disease knowledge
  - [ ] Emotional/psychological functioning
  - [ ] ED/hospitalization, urgent care use
  - [ ] Costs (cost-effectiveness, costs of care, expenditures)
  - [ ] Other (please specify:  )
- [x] No
SPP Adherence SIG, Intervention Committee

If yes, did health status (note general themes of results in this section, not specifics):

☐ Worsen – which outcome(s): _______________________
☐ No change – which outcome(s): _______________________
☐ Improve – which outcome(s): _______________________

Additional notes or unique features:

Abstraction completed by: Shannon Ollier