©American Psychological Association, 2023. This paper is not the copy of record and may not exactly replicate the authoritative document published in the APA journal. The final article will be available, upon publication, at: <u>https://psycnet.apa.org/PsycARTICLES/journal/cpp/10/4</u>.

First author, year	Barriers	Facilitators
	Medication	
Adriano, L. S., 2017	Uncertainty of medication dosage; Forgetfulness; Adverse reactions to medication; Uncertainty of medication use	Tracking medication-taking; More certainty around how to take medication
Chaney, J. M., 1989	Poor family functioning; Family stressors; Mother having low coping behavior; Father having low level of family satisfaction	High family functioning; Mother having more effective coping behavior; Father having high level of family satisfaction
El Miedany, Y., 2019	N/A	Shared decision-making aid
Favier, L. A., 2018	None emerged significant	None emerged significant
Hawwa, A. F., 2015	Oral route of medication; Low severity of disease; Greater medication side effects	Higher disease activity; Fewer medication side effects; Younger age of patient
Litt, I. F., 1982	Poor self-esteem; Poor social adaptation	Positive self-view; Greater adolescent autonomy
Lohse, A., 2021	Poor therapeutic alliance between provider and child	Strong therapeutic alliance between provider and child
Marshall, A., 2019	N/A	N/A
Mulligan, K., 2015	N/A	N/A
Pelajo, C. F., 2012	Patient forgetfulness of medication; high side-effects of medication; Barriers to going to the hospital or fill medication; Financial burden	Knowledge of treatment protocol; Lower side-effects to medication; Fewer barriers in travelling to the hospital and medication
Rapoff, M. A., 2005	Longer disease duration; Lower severity of disease, Lower socioeconomic status (SES)	Newly diagnosed; High symptom prevalence; Higher SES
Rapoff, M. A., 2002	Education alone without behavioral intervention; Mild disease severity	Nurse-administered behavioral intervention; Higher symptom severity
	Exercise	
Birt, L., 2014	Child responsibility for completing exercise; Strained parent-child relationship; Lack of time; Lack of enjoyment of exercise	Building exercise into family routine; Instituting rewards for completing exercises (e.g., computer time); Doing exercises with siblings or parents; Experiencing physical or quality of life improvement from exercise
Britton, C., 1999	Consequences to family life associated with exercise adherence (e.g., takes more time to be incorporated into daily routine, parental fear of child injury, etc.); Uncertainty about splint effectiveness	Social support and acceptance from family members, siblings, and friends
De Civita, M., 2007.	N/A	N/A

Houghton, K.M., 2018	Greater chronicity of treatment regimen	More in-person or group-based exercise; Incorporate technology into exercise tracking; Reducing pain and focusing on this reduction		
Risum, K., 2018	Lower age; Use of biological medication; Low accelerometer wear time; Pain	Use of biological medication; Participation in organized physical activity; Enjoyment of exercise; Becoming physically fit		
Singh-Grewal, D., 2007	Failure to demonstrate reduction in disease morbidity; Accessibility to training center	Home-based exercise programs; Informing patient of improvements gained from exercise		
Sims-Gould, J., 2018	Lack of enjoyment in exercise; Time required to complete exercise; Scheduling concerns; Forgetfulness; Physical ailments	Parental support		
Wynn, K. S., 1986	High perceived hopelessness for cure or relief; Not understanding in-home treatment protocols; Low belief in treatment efficacy	High patient belief in treatment efficacy; Thermotherapy recommendation; Writing down in- home treatment protocols		
Medication & Exercise				
April, K. T., 2006	N/A ₁	N/A		
Brandelli, Y. N., 2019	Parent fear or catastrophizing of child's pain during treatment	N/A		
Cartwright, T., 2015	Desire to be a normal teenager; Psychosocial burden of living with JIA	Effective emotional coping strategies; Taking control of treatment		
Degotardi, P. J., 1999	Dislike for exercise	Reminder tools, such as alarms; Behavioral reward systems for adherence; Effective emotional coping skills		
Feldman, D. E., 2004	N/A	N/A		
<i>Feldman</i> ₁ , <i>D. E.</i> , 2007	Early combination treatment of medication and exercise (opposed to add-on treatment); Adolescents' high perceived responsibility	Healthcare providers discussing treatment importance and adherence; Behavioral reward systems for adherence; Educational interventions about benefit of treatment		
Feldman ₂ , D. E., 2007	Caregiver-physician disagreements; Physical therapist-caregiver disagreements; Severity of disease; Older age of patient	Belief that treatment is helpful; Provider explanations of treatments and effectiveness to caregiver; Educational interventions; Provider communication perceived as caring and open		
Grande, S. W., 2019	N/A	Normalizing illness through shared experience with peers		
Hayford, J. R., 1988	Parents assumed less responsibility with adolescents; Failure to see improvements with exercise; Poor	Greater parental sharing of responsibility with child; Importance of exercise is thoroughly explained;		

1. Studies listed with N/A either did not focus on or did not report barriers and/or facilitators to adherence.

	communication between parents, adolescents, and	Provider and patient plan for responsibility of
	physical therapist	transition
Kyngas, H., 2002	Lower perceived effect of disease on social aspects,	Higher child motivation to engage in treatment;
	lower energy and motivation, low fear	Higher fear of disease flare ups; Significant threats to
		social well being
Thompson, S. M., 1995	Providing documentation with treatment	Provider recommendation of multiple treatment
	recommendations rather than discussing them with the	options; High quality of information given
	patient	
Toupin-April, K., 2009	Economic hardship	Use of complementary alternative healthcare

1. Studies listed with N/A either did not focus on or did not report barriers and/or facilitators to adherence.