Supplemental Materials

Table S1. T-tests comparing ADHD, Stress and Depression Measures between genders.

Measure	Gender	n	M	SD	t	95% CI	p
T1 ADHD-I	Male	56	17.41	5.902	0.957	[-0.830-2.395]	.340
	Female	156	16.63	4.998			
T1 ADHD-H	Male	56	14.71	5.516	1.080	[-0.731-2.503]	.281
	Female	157	13.83	5.182			
T1 ADHD Overall	Male	56	32.13	9.669	1.077	[-1.283-4.373]	.283
	Female	157	30.58	9.053			
T1 Dependent Stress (sqrt)	Male	56	3.409	1.184	-1.311	[-0.592-0.119]	.191
	Female	155	3.645	1.146			
T1 Depression (sqrt)	Male	57	2.526	1.167	-1.137	[-0.610-0.164]	.257
	Female	154	2.749	1.299			
T2 Dependent Stress (sqrt)	Male	56	1.597	0.588	-.418	[-0.275-0.179]	.676
	Female	151	1.645	0.782			
T3 Depression (sqrt)	Male	55	2.151	1.418	-1.399	[-0.771-0.131]	.163
	Female	143	2.471	1.449			

Note. T1, time-point 1; T2, time-point 2; T3, time-point 3. ADHD-H, ADHD-I, inattentive ADHD symptoms hyperactive/impulsive ADHD symptoms. * $p < .05$. ** $p < .01$. Gender coded as female=2, male=1.

Cross Sectional Model

Cross sectional total effect model (Table S2 and Figure S1). This model tested the effects of ADHD on depression, controlling for age and gender. Higher ADHD symptom scores significantly predicted higher depressive symptom scores at time-point 1.

Cross sectional mediation path model (Table S2 & Figure S1). This model tested the effects of ADHD symptoms on depressive symptoms, mediated by dependent stress, while controlling for age and gender. Higher ADHD scores at baseline significantly predicted higher dependent stress scores and higher dependent stress scores significantly predicted higher depression scores. There was a significant indirect path from ADHD to depression mediated by dependent stress. There was also a significant direct path from ADHD to depression with dependent stress as a mediator. The results of the regression indicated that the variables in this model explained 46.4% of the variance in depressive symptoms.

Table S2. ADHD, Dependent Stress, and Depression Cross-Sectional Mediation Model.

| Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
		Total Effect Model					
Depression	ADHD (c)**	.545	.047	11.596	<.001	[0.450-0.635]	.318
	Age	-.093	.058	-1.599	.110	[-0.204-0.024]	
	Gender*	.138	.058	2.373	.018	[0.026-0.255]	
		Mediation Path Model					
Dependent Stress	ADHD (a)**	.453	.054	8.319	<.001	[0.342-0.558]	.220
	Age	-.049	.060	-0.821	.412	[-0.167-0.070]	
	Gender*	.135	.067	2.032	.042*	[0.005-0.264]	
Depression	ADHD (direct effect c')**	.360	.056	6.425	<.001	[0.246-0.469]	.464
	Dependent Stress (b)**	.419	.054	7.753	<.001	[0.308-0.521]	
	Age	-.074	.052	-1.440	.150	[-0.175-0.028]	
	Gender	.083	.050	1.651	.099	[-0.017-0.182]	
		Mediation Path Model Indirect Effect					
ADHD → Dependent Stress → Depression**		.190	.033	5.809	<.00	[0.129-0.256]	

Note. * p < .05. ** p < .01
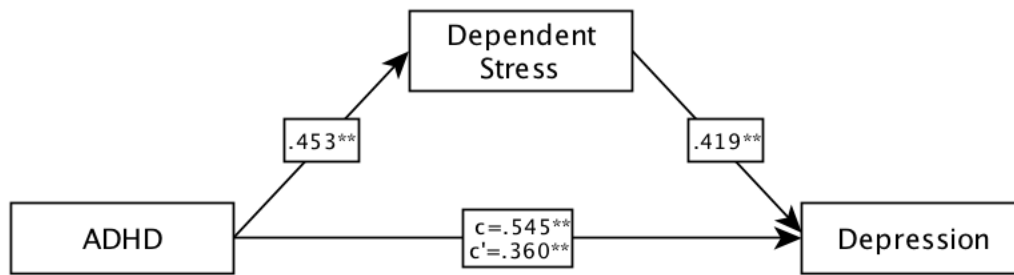
Figure S1. Cross-sectional path model with ADHD, dependent stress, and depression at baseline. ADHD symptoms predict depression via the dependent stress indirect pathway. ** $p < .01$.

Gender Moderation

Table S3. Gender Moderation of Longitudinal ADHD Symptom Stress Generation and Depression Model.

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD (c)	.153	.091	1.675	.094	[-0.029-0.327]	.240
	Gender x T1ADHD	.101	.075	1.346	.178	[-0.044-0.247]	
	T1 Depression**	.326	.083	3.944	<.001	[0.166-0.492]	
	Age	.107	.062	1.731	.083	[-0.022-0.223]	
	Gender	.092	.068	1.363	.173	[-0.044-0.222]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD (a)*	.162	.068	2.397	.017	[0.026-0.289]	.359
	Gender x T1ADHD	.027	.064	0.426	.670	[-0.097-0.152]	
	T1 Dependent Stress**	.502	.061	8.245	<.001	[0.380-0.617]	
	Age	.082	.060	1.371	.171	[-0.033-0.199]	
	Gender	-.016	.056	-0.292	.771	[-0.131-0.091]	
T3 Depression	T1 ADHD (direct effect c')	.113	.084	1.338	.181	[-0.056-0.275]	.276
	T1 Depression**	.276	.082	3.348	.001	[0.117-0.440]	
	T2 Dependent Stress (b)**	.260	.097	2.676	.007	[0.049-0.436]	
	Gender x T2 Dependent Stress	<.001	.095	<0.001	1.000	[-0.177-0.197]	
	Age	.078	.059	1.324	.185	[-0.039-0.190]	
	Gender	.073	.069	1.059	.290	[-0.065-0.209]	
		Longitudinal Mediation Path Model Indirect Effect					
T1 ADHD → T2 Dependent Stress → T3 Depression		.042	.024	1.753	.080	[0.002-0.094]	

Note. T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=1, male=-1.

Table S4. Gender Moderation of Longitudinal ADHD Symptom Stress Generation and Depression Model for Inattentive and Hyperactive/Impulsive Symptom Dimensions

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
		Inattentive Symptom Dimension					
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD-I (c)	.168	.087	1.931	.053	[0.001-.0342]	.247
	Gender x T1 ADHD-I	.104	.077	1.341	.180	[-0.051-0.252]	
	T1 Depression**	.334	.077	4.329	<.001	[0.180-0.483]	
	Age	.091	.062	1.454	.146	[-0.038-0.207]	
	Gender	.089	.067	1.325	.185	[-0.046-0.216]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD-I (a)*	.163	.063	2.577	.010	[0.037-0.286]	.358
	Gender x T1ADHD-I	.011	.057	0.184	.854	[-0.101-0.122]	
	T1 Dependent Stress**	.513	.058	8.886	<.001	[0.396-0.621]	
	Age	.073	.060	1.218	.223	[-0.043-0.191]	
	Gender	-.018	.055	-0.334	.738	[-0.132-0.087]	
T3 Depression	T1 ADHD- I (direct effect c')	.126	.082	1.545	.122	[-0.036-0.285]	.277
	T2 Dependent Stress (b)*	.253	.098	2.587	.010	[0.041-0.431]	
	Gender x T2 Dependent Stress	.009	.096	0.091	.927	[-0.173-0.209]	
	T1 Depression**	.277	.079	3.498	<.001	[0.122-.0434]	
	Age	.073	.059	1.231	.218	[-0.046-0.186]	
	Gender	.071	.068	1.046	.296	[-0.065-0.204]	
		Longitudinal Mediation Path Model Indirect Effects					
T1 ADHD-I → T2 Dependent Stress → T3 Depression		.041	.023	1.797	.072	[0.002-0.092]	
		Hyperactive/Impulsive Symptom Dimension					
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD-H (c)	.075	.084	0.894	.372	[-0.093-0.236]	.220
	Gender x T1 ADHD-H	.072	.073	0.984	.325	[-0.073-0.212]	
	T1 Depression**	.385	.077	4.967	<.001	[0.229-0.535]	
	Age	.116	.062	1.887	.059	[-0.011-0.232]	
	Gender	.081	.069	1.184	.236	[-0.058-0.211]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD-H (a)	.097	.064	1.511	.131	[-0.030-0.224]	.348
	Gender x T1ADHD-H	.049	.065	0.761	.447	[-0.082-0.170]	
	T1 Dependent Stress**	.532	.060	8.885	<.001	[0.411-0.646]	
	Age	.090	.060	1.497	.135	[-0.026-0.207]	
	Gender	-.026	.057	-0.461	.645	[-0.141-0.083]	
T3 Depression	T1 ADHD- H (direct effect c')	.053	.080	0.668	.504	[-0.107-0.207]	.268
	T2 Dependent Stress (b)**	.280	.096	2.900	.004	[0.072-0.455]	
	Gender * T2 Dependent Stress	-.007	.095	-0.070	.944	[-0.182-0.195]	
	T1 Depression**	.307	.078	3.927	<.001	[0.155-0.459]	
	Age	.082	.059	1.380	.168	[-0.037-0.194]	
	Gender	.064	.069	0.925	.355	[-0.075-0.199]	
		Longitudinal Mediation Path Model Indirect Effect					
T1 ADHD-H → T2 Dependent Stress → T3 Depression		.027	.022	1.261	.207	[-0.008-0.076]	

Note. ADHD-I, inattentive ADHD symptoms; ADHD-H, hyperactive/impulsive ADHD symptoms; T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=1, male=-1.

Table S5. Tests for Selective Attrition.

Measure		n	Mean	SD	t	df	p
T1 ADHD-I	Dropouts	14	19.64	4.396	1.869	220	.063
	Completed	208	16.90	5.371			
T1 ADHD-H	Dropouts	15	15.87	5.383	1.133	221	.259
	Completed	208	14.24	5.369			
T1 ADHD*	Dropouts	15	36.60	7.890	2.175	221	.031
	Completed	208	31.14	9.483			
T1 Dependent Stress (sqrt)	Dropouts	15	3.99	1.197	1.503	219	.134
	Completed	206	3.52	1.160			
T1 Depression (sqrt)	Dropouts	13	3.31	0.886	1.795	218	.074
	Completed	207	2.66	1.289			

Note. ADHD-I, inattentive ADHD symptoms; ADHD-H, hyperactive/impulsive ADHD symptoms; * $p < .05$.

Winsorized Analyses

Table S6. Winsorized ADHD, Dependent Stress, and Depression Mediation Model.

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
				Longitudinal Total Effect Model			
T3 Depression	T1 ADHD (c)	.164	.084	1.942	.052	[0.005-0.324]	.259
	T1 Depression**	.386	.083	4.658	<.001	[0.224-0.549]	
	Age	.094	.060	1.566	.117	[-0.028-0.209]	
	Gender	.102	.065	1.562	.118	[-0.028-0.229]	
				Longitudinal Mediation Path Model			
T2 Dependent Stress	T1 ADHD (a)**	.190	.060	3.183	.001	[0.071-0.305]	.396
	T1 Dependent Stress**	.516	.058	8.955	<.001	[0.401-0.627]	
	Age	.079	.057	1.390	.164	[-0.030-0.192]	
	Gender	-.007	.052	-0.143	.886	[-0.110-0.092]	
T3 Depression	T1 ADHD (direct effect c')	.100	.082	1.227	.220	[-0.063-0.258]	.325
	T1 Depression**	.318	.083	3.817	<.001	[0.154-0.480]	
	T2 Dependent Stress (b)**	.268	.065	4.125	<.001	[0.139-0.392]	
	Age	.070	.057	1.229	.219	[-0.045-0.180]	
	Gender	.084	.063	1.320	.187	[-0.042-0.206]	
				Longitudinal Mediation Path Model Indirect Effect			
T1 ADHD → T2 Dependent Stress → T3 Depression*		.051	.020	2.486	.013	[0.016-0.095]	

Note. T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=2, male=1.

Table S7. Winsorized Longitudinal ADHD Inattentive and Hyperactive/Impulsive Symptom Dimension Stress Generation Mediation Models.

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
		Inattentive Symptom Dimension					
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD-I (c)*	.186	.082	2.285	.022	[0.023-0.341]	.266
	T1 Depression**	.382	.078	4.876	<.001	[0.228-0.533]	
	Age	.086	.061	1.419	.156	[-0.038-0.202]	
	Gender	.099	.064	1.534	.125	[-0.028-0.224]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD-I (a)**	.189	.059	3.190	.001	[0.072-0.301]	.397
	T1 Dependent Stress**	.522	.055	9.453	<.001	[0.410-0.627]	
	Age	.071	.057	1.257	.209	[-0.038-0.185]	
	Gender	-.011	.051	-0.219	.827	[-0.112-0.086]	
T3 Depression	T1 ADHD- I (direct effect c')	.126	.082	1.532	.125	[-0.039-0.286]	.331
	T2 Dependent Stress (b)**	.263	.064	4.098	<.001	[0.135-0.385]	
	T1 Depression**	.312	.080	3.882	<.001	[0.152-0.467]	
	Age	.065	.058	1.130	.259	[-0.051-0.176]	
	Gender	.083	.063	1.331	.183	[-0.044-0.202]	
		Longitudinal Mediation Path Model Indirect Effects					
T1 ADHD-I → T2 Dependent Stress → T3 Depression*		.050	.020	2.480	.013	[0.015-0.093]	
		Hyperactive/Impulsive Symptom Dimension					
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD-H (c)	.077	.078	0.984	.325	[-0.076-0.228]	.245
	T1 Depression**	.441	.076	5.770	<.001	[0.287-0.587]	
	Age	.101	.060	1.678	.093	[-0.021-0.217]	
	Gender	.088	.066	1.335	.182	[-0.043-0.217]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD-H (a)*	.123	.057	2.146	.032	[0.011-0.234]	.381
	T1 Dependent Stress**	.562	.055	10.200	<.001	[0.448-0.666]	
	Age	.082	.057	1.435	.151	[-0.027-0.197]	
	Gender	-.017	.053	-0.327	.744	[-0.122-0.086]	
T3 Depression	T1 ADHD-H (direct effect c')	.032	.075	0.432	.666	[-0.116-0.179]	.315
	T2 Dependent Stress (b)**	.287	.066	4.372	<.001	[0.155-0.412]	
	T1 Depression**	.353	.079	4.488	<.001	[0.195-0.500]	
	Age	.073	.057	1.263	.206	[-0.043-0.183]	
	Gender	.074	.064	1.159	.246	[-0.052-0.198]	
		Longitudinal Mediation Path Model Indirect Effect					
T1 ADHD-H → T2 Dependent Stress → T3 Depression		.035	.019	1.871	.061	[0.003-0.076]	

Note. ADHD-I, inattentive ADHD symptoms; ADHD-H, hyperactive/impulsive ADHD symptoms; T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=2, male=1.

Table S8. Winsorized Gender Moderation of Longitudinal ADHD Symptom Stress Generation and Depression Model.

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
		Longitudinal Total Effect Model					
T3 Depression	T1 ADHD (c)	.139	.087	1.593	.111	[-0.036-0.304]	.269
	Gender x T1ADHD	.104	.069	1.501	.133	[-0.034-0.237]	
	T1 Depression**	.370	.083	4.441	<.001	[0.206-0.534]	
	Age	.104	.060	1.725	.085	[-0.020-0.219]	
	Gender	.096	.066	1.453	.146	[-0.036-0.224]	
		Longitudinal Mediation Path Model					
T2 Dependent Stress	T1 ADHD (a)**	.185	.065	2.844	.004	[0.051-0.305]	.347
	Gender x T1ADHD	.016	.060	0.268	.789	[-0.098-0.137]	
	T1 Dependent Stress**	.514	.059	8.744	<.001	[0.397-0.627]	
	Age	.081	.058	1.402	.161	[-0.030-0.194]	
	Gender	-.008	.052	-0.152	.879	[-0.112-0.092]	
T3 Depression	T1 ADHD (direct effect c')	.104	.082	1.269	.205	[-0.058-0.263]	1.482
	T1 Depression**	.317	.083	3.812	<.001	[0.153-0.476]	
	T2 Dependent Stress (b)**	.245	.090	2.729	.006	[0.057-0.414]	
	Gender x T2 Dependent Stress	.038	.086	.443	.658	[-0.133-0.208]	
	Age	.068	.057	1.208	.227	[-0.046-0.178]	
	Gender	.086	.065	1.315	.188	[-0.045-0.210]	
		Longitudinal Mediation Path Model Indirect Effect					
T1 ADHD → T2 Dependent Stress → T3 Depression*		.045	.023	1.975	.048	[0.006-0.094]	

Note. T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=1, male=-1.

Table S9. Winsorized Gender Moderation of Longitudinal ADHD Inattentive and Hyperactive/Impulsive Symptom Dimension Stress Generation Models

Outcome Variable	Predictor	β	SE	Est./SE	p	95% CI	R^2
				Inattentive Symptom Dimension			
				Longitudinal Total Effect Model			
T3 Depression	T1 ADHD-I (c)	.162	.084	1.943	.052	[-0.002-.0326]	.278
	Gender x T1 ADHD-I	.112	.071	1.590	.112	[-0.031-0.245]	
	T1 Depression**	.368	.077	4.790	<.001	[0.216-0.518]	
	Age	.088	.061	1.442	.149	[-0.037-0.202]	
	Gender	.094	.065	1.445	.148	[-0.033-0.220]	
				Longitudinal Mediation Path Model			
T2 Dependent Stress	T1 ADHD-I (a)*	.188	.062	3.049	.002	[0.063-0.302]	.397
	Gender x T1ADHD-I	.005	.054	0.085	.932	[-0.098-0.113]	
	T1 Dependent Stress**	.521	.056	9.333	<.001	[0.408-0.628]	
	Age	.072	.057	1.253	.210	[-0.038-0.186]	
	Gender	-.011	.051	-0.220	.826	[-0.113-0.086]	
T3 Depression	T1 ADHD-I (direct effect c')	.133	.081	1.637	.102	[-0.031-0.290]	.327
	T2 Dependent Stress (b)*	.234	.091	2.580	.010	[0.045-0.402]	
	Gender x T2 Dependent Stress	.047	.087	0.542	.588	[-0.126-0.219]	
	T1 Depression**	.310	.080	3.888	<.001	[0.149-.0463]	
	Age	.063	.057	1.098	.272	[-0.053-0.172]	
	Gender	.086	.065	1.336	.182	[-0.045-0.208]	
				Longitudinal Mediation Path Model Indirect Effects			
T1 ADHD-I → T2 Dependent Stress → T3 Depression*		.044	.022	1.972	.049	[0.005-0.093]	
				Hyperactive/Impulsive Symptom Dimension			
				Longitudinal Total Effect Model			
T3 Depression	T1 ADHD-H (c)	.059	.080	0.739	.460	[-0.101-0.215]	.249
	Gender x T1 ADHD-H	.068	.067	1.016	.310	[-0.066-0.199]	
	T1 Depression**	.431	.078	5.540	<.001	[0.274-0.580]	
	Age	.112	.060	1.849	.064	[-0.012-0.227]	
	Gender	.084	.067	1.253	.210	[-0.050-0.213]	
				Longitudinal Mediation Path Model			
T2 Dependent Stress	T1 ADHD-H (a)	.114	.062	1.841	.066	[-0.012-0.233]	.382
	Gender x T1ADHD-H	.025	.061	0.402	.688	[-0.093-0.146]	
	T1 Dependent Stress**	.559	.057	9.878	<.001	[0.444-0.666]	
	Age	.086	.058	1.480	.139	[-0.025-0.201]	
	Gender	-.018	.054	-0.342	.733	[-0.126-0.087]	
T3 Depression	T1 ADHD-H (direct effect c')	.033	.075	0.441	.659	[-0.117-0.180]	.312
	T2 Dependent Stress (b)**	.270	.089	3.015	.003	[0.081-0.436]	
	Gender x T2 Dependent Stress	.030	.086	.353	.724	[-0.140-0.200]	
	T1 Depression**	.352	.079	4.485	<.001	[0.195-0.501]	
	Age	.071	.057	1.247	.212	[-0.045-0.180]	
	Gender	.076	.066	1.152	.249	[-0.056-0.202]	
				Longitudinal Mediation Path Model Indirect Effect			
T1 ADHD-I → T2 Dependent Stress → T3 Depression		.031	.020	1.507	.132	[-0.003-0.076]	

Note. ADHD-I, inattentive ADHD symptoms; ADHD-H, hyperactive/impulsive ADHD symptoms; T1, time-point 1; T2, time-point 2; T3, time-point 3. * $p < .05$. ** $p < .01$. Gender coded as female=1, male=-1.