Supplementary Materials

Academic, health and healthcare utilization outcomes in New Brunswick grade school students prescribed long-acting stimulants for the management of ADHD: An administrative data study

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These supplementary materials are intended to accompany the report, *Academic, health and healthcare utilization outcomes in New Brunswick grade school students prescribed long-acting stimulants for the management of ADHD: An administrative data study* (2024).

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Supplementary Table 1: Summary of NB-IRDT administrative data and Statistics Canada data sources

NB-IRDT Date Set Code	Data Set Name	Description	Date Range
DH10	Citizen Data	Basic demographic and provincial Medicare eligibility data for NB residents. Used to confirm residence in NB.	Jan 1, 2008 – Dec 31, 2020
ED06a/f	Student Demographics	Demographic and enrolment data for NB grade school students in grades K-12.	Jul 1, 2010 – Jun 30, 2021
ED05a/f	Students Diagnosed with ADHD	Records of NB grade school students in grades K-12 with an academic medical plan in place for management of ADHD in school	Jul 1, 2019 – Jun 30, 2021
ED02a/f	Report Card Data	Report card scores for NB grade school students in grades K-12	Jul 1, 2016 – Jun 30, 2021
ED04a/f	Student Attendance	School attendance records for NB grade school students in grades K-12	Jul 1, 2018 – Jun 30, 2021
ED01a/f	Provincial Assessments	Standardized provincial assessment exam scores for NB grade school students	Jul 1, 2015 – Jun 30, 2020
PTL03	NBCCD Student Information	Enrolment and student data for students enrolled in the NB College of Craft and Design (to confirm post-secondary enrolment)	May 1, 2015 – June 1, 2021
NBCC01	Student Data (NBCC)	Enrolment and student data for students enrolled in the New Brunswick Community College (to confirm post-secondary enrolment)	Jul 1, 2013 – Jun 30, 2020
CCNB01	CCNB Student Data	Enrolment and student data for students enrolled in Collège Communautaire du Nouveau-Brunswick (to confirm post-secondary enrolment)	Jan 1, 2013 – Dec 31, 2021
HE02	UdeM Student Information	Enrolment and student data for students enrolled in the Université de Moncton (to confirm post-secondary enrolment)	May 1, 2004 – Apr 30, 2019
HE01	UNB Student Information	Enrolment and student data for students enrolled in the University of New Brunswick (to confirm post-secondary enrolment)	May 1, 2010 – Apr 30, 2019
HE03	STU Student Information	Enrolment and student data for students enrolled in St. Thomas University (to confirm post-secondary enrolment)	May 1, 2013 – Apr 30, 2020
HE04	Mount Allison University Student Information	Enrolment and student data for students enrolled in Mount Allison University (to confirm post-secondary enrolment)	May 1, 2014 – Apr 30, 2019
DH08	NB Physician Billing	Records of physician services billed to the NB provincial Medicare plan	Jan 1, 2008 – Dec 31, 2020

DH15	New Brunswick Drug Plan	Claims data for dispensed prescription drugs covered by the NB Drug Plan	Apr 1, 2008 – Mar 31, 2018
DH07	NB Drug Information System	Dispensing records of prescription drugs dispensed in NB community pharmacies (regardless of payor)	Jan 1, 2017 – Dec 31, 2021
DH05	Discharge Abstract Data	Patient discharge information from NB hospitals	Apr 1, 1999 – Mar 31, 2021
DH01c15	CCDSS Mental Illness	Incidence and prevalence estimates of mental illness in NB	Jan 1, 1995 – Mar 31, 2019
DH01c09	CCDSS Mood and Anxiety Disorders	Incidence and prevalence estimates of mood and anxiety disorders in NB	Jan 1, 1995 – Mar 31, 2019
DH01c14	CCDSS Schizophrenia	Incidence and prevalence estimates of schizophrenia in NB	Jan 1, 1995 – Mar 31, 2019
DH01c03	CCDSS Asthma	Incidence and prevalence estimates of asthma in NB	Jan 1, 1995 – Mar 31, 2019
DH01c08	CCDSS Diabetes	Incidence and prevalence estimates of diabetes in NB	Jan 1, 1995 – Mar 31, 2019
DH01c13	CCDSS Epilepsy	Incidence and prevalence estimates of epilepsy in NB	Jan 1, 1995 – Mar 31, 2019
SD02	Social Assistance Data	Records of usage of NB social assistance programs	Jan 1, 2008 – Sept 30, 2019
ED12	Graduate Identifiers	Records of NB high school graduates	Jul 1, 2007 – Jun 30, 2020
DH08b01	NB Physician Billing – ADHD keyword extract	NB Physician Billing records with freeform notes containing ADHD-related keywords	Apr 1, 2008 - Nov 17, 2021
n/a	Census and PCCF+ (Statistics Canada)	Canadian census data and Postal Code Conversion File (for creation of area-level indicators)	2006, 2011, 2016 census years
n/a	Canadian Index of Multiple Deprivation (Statistics Canada)	Canadian Index of Multiple Deprivation Indicators	2016 census year

Supplementary Table 2: Keywords used to define ADHD diagnosis in NB Physician Billing records

i) English keywords
attention deficit, attention-deficit, attention-deficit/hyperactivity, attention deficit/hyperactivity, attention deficit-hyperactivity ADD, ADHD, AD-HD, A-D/HD, AD/HD

ii) French keywords
trouble déficitaire de l'attention/hyperactivité, trouble déficitaire de l'attention-hyperactivité, trouble déficitaire de l'attention trouble déficitaire d'attention/hyperactivité, trouble déficitaire d'attention-hyperactivité, trouble déficitaire d'attention trouble déficitaire attention/hyperactivité, trouble déficitaire attention-hyperactivité, trouble déficitaire attention trouble deficitaire-attention/hyperactivité, trouble deficitaire-attention-hyperactivité, trouble deficitaire-attention déficit de l'attention/hyperactivité, déficit de l'attention-hyperactivité, déficit de l'attention déficit d'attention/hyperactivité, déficit d'attention-hyperactivité, déficit d'attention déficit attention/hyperactivité, déficit attention-hyperactivité, déficit attention deficit-attention/hyperactivité, deficit-attention-hyperactivité, deficit-attention trouble de l'attention/hyperactivité, trouble de l'attention-hyperactivité, trouble de l'attention trouble d'attention/hyperactivité, trouble d'attention-hyperactivité, trouble d'attention trouble attention/hyperactivité, trouble attention-hyperactivité, trouble attention TDA, TDAH, TAD-H, TDA/H, TD-A, TD-AH, TD-A-H, TD-A/H, THADD, THADDA, THADA

Supplementary Table 3: Classification criteria for ADD keyword

Each search result flagged as either 0, 1, or 2, where:

0 = definitely not related to ADHD

1 = possibly related to ADHD

2 = likely related to ADHD

0: definitely not related to ADHD

- results where 'ADD' occurs as part of another word or acronym unrelated to ADD/ADHD, eg. 'ADDITIONAL', 'ADDRESS', 'SADD', 'ADDS', 'ADD'N'

note AADD = adult attention deficit disorder, which IS related to ADD/ADHD and should be classified as '1' or '2' depending on context

- results where 'ADD' is, in the reviewer's opinion, unquestionably meant to represent the English word 'add' and not an acronym for 'attention deficit disorder' eg. 'X RAY C SPINE ADD VIEWS', 'LAP CHOLECYSTECTOMY + B M I >40 ADD 6 UNITS'

- DO NOT flag as 0: any results where there is **any** reasonable possibility that 'ADD' is used as an acronym for 'attention deficit disorder'

1: possibly related to ADHD

- results where there is **any** reasonable possibility that ADD is used as an acronym for 'attention deficit disorder', but do not meet the criteria for '2: likely related to ADHD', eg. 'ADD PLANTAR WART', 'ADD DEPRESSION', 'ADD COPD', 'ADD COUNSELLING 10:00 – 11:00', 'ADD 15 MIN-APPT 815-855', 'ADD 20 MIN'

- results which suggest that ADHD diagnosis is not confirmed, even if they otherwise would meet the criteria for '2: likely related to ADHD', eg. '?ADD', 'ADD?', 'QUERY ADD/ADHD', 'R/O ADD/ADHD', 'RULE OUT ADD, LEARNING DISABILITY', 'DEPRESSION VS ADD'

2: likely related to ADHD

Results that appear likely to be related to ADD/ADHD based on context, i.e.:

- results where 'ADD' appears in conjunction with other words related to ADD/ADHD, eg. 'ADD LEARNING ISSUES', 'ADD OPPOSITIONAL BEHAVIOUR', 'ADD. TROUBLE DE ATTENTION', 'ADD/ADHD'

- results where context/grammar make it unlikely that 'ADD' represents the word 'add', eg. 'ADD WITH DEPRESSION', 'ADD AVEC HYPERACTIVITE'

Supplementary Table 4: Long-acting stimulants

Long-Acting Stimulants		
Drug Name	**ATC**	**Notes**
Mixed salts amphetamine (Adderall XR and generics)	N06BA01	
Methylphenidate CR/ER (Biphentin, Concerta, Foquest, generics)	N06BA04	*Excluding DIN 02273950, 02234749, 00005606, 02249324, 00584991, 02249332, 00585009, 02326221, 02326248, 02326256, 00422975, 00422983, 02274280, 02274299, 02274302, 02126486, 02126494, 02246991, 02230321, 02230322, 02247364, 00005614, 02455846, 02455854, 02266687, 00632775, 02320312 (immediate and intermediate release methylphenidate - Ritalin, Ritalin SR, generics)
Lisdexamfetamine (Vyvanse)	N06BA12	

Supplementary Table 5: Excluded medications

Excluded Medications		
Drug Name	**ATC**	**Notes**
Dextroamphetamine immediate and intermediate release (Dexedrine, Dexedrine Spansule, generics)	N06BA02	02447673, 02443236, 01924516, 01924567, 01924559, 02481472, 02481464, 02448327, 02448319
Methylphenidate immediate and intermediate release (Ritalin, Ritalin SR, generics)	N06BA04	ONLY the following DINs: 02273950, 02234749, 00005606, 02249324, 00584991, 02249332, 00585009, 02326221, 02326248, 02326256, 00422975, 00422983, 02274280, 02274299, 02274302, 02126486, 02126494, 02246991, 02230321, 02230322, 02247364, 00005614, 02455846, 02455854, 02266687, 00632775, 02320312
Atomoxetine (Strattera and generics)	N06BA09	

Supplementary Table 6: Drug Information System extract

ATC code	Description
A03C	antispasmodics in combination with psycholeptics
C02A	antiadrenergic agents, centrally acting (guanfacine, methyldopa, clonidine, reserpine)
C02C	antiadrenergic agents, peripherally acting (prazosin, doxazosin)
C07A	beta blockers
N03A	antiepileptics
N05A	antipsychotics
N05B	anxiolytics
N05C	hypnotics and sedatives
N06A	antidepressants
N06B	stimulants and ADHD drugs
N06C	psycholeptics and psychoanaleptics in combination
N06D	anti-dementia drugs
N07B	drugs used in addictive disorders (naltrexone, varenicline, acamprosate, disulfuram, methadone, nicotine, buprenorphine, dimorphine)
N07X	other nervous system drugs

Supplementary Table 7: Select medications

Select Medications	
Drug Name	**ATC**
Clonidine	C02AC01
Modafinil (Alertec and generics)	N06BA07
Guanfacine	C02AC02
Second-Generation Antipsychotics	
Aripiprazole	N05AX12
Asenapine	N05AH05
Brexpiprazole	N05AX16
Clozapine	N05AH02
Lurasidone	N05AE05
Olanzapine	N05AH03
Paliperidone	N05AX13
Quetiapine	N05AH04
Risperidone	N05AX08
Ziprasidone	N05AE04

Supplementary Table 8: Provincial assessment exams

Exams included in PDP analysis (academic years 2015 – 2017)	
Grade Level	**Subject Matter**
2	Reading
3	Math
4	French
6	Math
8	Math
8	Science
8	French
9	Reading
10	Math
10	Science
10	Reading
11	French
Exams included in DIS analysis (academic years 2017 – 2019)	
Grade Level	**Subject Matter**
2	Reading
3	Math
4	Math
4	Science
4	Reading
6	Math
6	Science
6	Reading (French immersion and post-intensive French)
8	Math
8	Science
8	French
9	Reading
9	English Language Proficiency Assessment
10	Math
10	Science
10	Reading (French immersion and post-intensive French)
11	French

Supplementary Table 9: Definition of cause-specific hospitalizations

Hospitalization due to injury

Inclusions (Hospitalization is considered to be due to injury if it contains an encounter in which **both conditions 1 and 2** are met)**:**

1. Injury is identified by any of the following *Diagnosis codes* **when *Diagnosis Type = 9***:

ICD-10-CA: V01–V06, V09–V99, W00–W44, W4509, W46, W49–W60, W64–W70, W73–W77, W81, W83–W94, W99, X00–X06, X08–X19, X30–X39, X50, X52, X58, X59, X70–X84, Y20–Y36

I.e. *Diagnosis X Type* = 9 AND *Diagnosis X Code* = one of the above ICD codes

2. Admission to an acute care institution (*Institution Type/Analytical Institution Type* = 1)

Exclusions (exclude from analysis any hospitalization containing an encounter in which **one or more** of the following conditions are met)**:**

1. Newborn, stillbirth or cadaveric donor records (*Admit Category* = N, R or S)

2. 2018–2019 data onward: Discharges with medical assistance in dying (MAID) (*Discharge Disposition* = 73)

3. Record includes **one or more** of the following sub-codes from among those specified above:

V(10-29).1 (i.e. V10.1, V11.1, …. V29.1)
V(10-29).5 (i.e. V10.5, V11.5, … V29.5)
V(30-38).1
V(30-38).6
V39.1, V39.5
V(40-48).1
V(40-48).6
V49.1, V49.5
V(50-58).1
V(50-58).6
V59.1, V59.5
V(60-68).1
V(60-68).6
V69.1, V69.5
V(70-78).1
V(70-78).6
V79.1, V79.5
V81.0, V81.1, V81.2, V81.3, V81.7, V81.8, V81.9
V82.0, V82.1, V82.2, V82.3, V82.7, V82.8, V82.9
V83.1, V83.6
V84,1, V84.6
V85.1, V85.6
V86.1, V86.10
V86.18
V86.6
V86.60

V86.61
V86.68
V90.0
V90.1
V91.0
V91.1
V95
V95.0
V95.1
V95.2
V95.3
V95.4
V95.8
V95.9
V96.0
V96.2

Hospitalization due to stimulant and other drug toxicity

Inclusions (Hospitalizations is considered to be due to stimulant and other drug toxicity if all four conditions listed under A are met, OR both conditions listed under B are met (or conditions for both A and B are met)):

A:

1. DAD variable *Diagnosis code* = any of T43.6, T43.68, T43.69, F15.0, F15.08, F15.09

> *__Exclude__ (exclude from analysis any hospitalization containing an encounter containing one or more of the following *Diagnosis Codes*)**:** T43.60, F15.00

2. For the above *Diagnosis code*, *Diagnosis prefix* is NOT = Q (i.e. diagnosis NOT questionable)

3. For the above *Diagnosis code*, *Diagnosis type* = M, 1, 2, 6, W, X, or Y (i.e. diagnosis is *significant*)

4. Admission to an acute care institution (DAD variable *Institution Type/Analytical Institution Type* = 1)

B:

1. DAD variable *Diagnosis code* = X41 OR X61 OR Y11 when **Diagnosis type = 9**

> i.e. *Diagnosis X Type* = 9 AND *Diagnosis X Code* = X41 or X61 or Y11

2. Admission to an acute care institution (DAD variable *Institution Type/Analytical Institution Type* = 1)

Exclusions (applies to both A and B) (exclude from analysis any hospitalization containing an encounter in which one or more of the following conditions are met):

1. Newborn, stillbirth or cadaveric donor records (*Admit Category* = N, R or S)
2. 2018–2019 data onward: Discharges with medical assistance in dying (MAID) (*Discharge Disposition* = 73)

Notes and code descriptions:

T codes – T codes in general include overdose, and wrong substance given/taken in error. Does not include adverse effects, abuse of non-dependence-producing substances, or drug inebriation (see F codes below).

Included in definition: T43.6 (Poisoning by psychostimulants with abuse potential), T43.68 (Poisoning by other specified psychostimulants with abuse potential), T43.69 (Poisoning by unspecified psychostimulants with abuse potential

Excluded from definition: T43.60 (Poisoning by methamphetamine with abuse potential)

F codes – F codes in general include acute intoxication, but not mental/behavioural disorders caused by substance abuse i.e. 'harmful use pattern', 'dependence syndrome', 'withdrawal state', 'psychotic disorder', 'amnesic syndrome', 'other mental and behavioural disorders' (i.e. hospitalization to treat ongoing substance use issues from behavioural/psychological perspective)

Included in definition: F15.0 (Mental and behavioural disorders due to use of other stimulants including caffeine, acute intoxication), F15.08 (Mental and behavioural disorders due to use of other specified stimulants including caffeine, acute intoxication), F15.09 (Mental and behavioural disorders due to use of unspecified stimulants, acute intoxication)

Excluded from definition: F15.00 (Mental and behavioural disorders due to use of methamphetamine, acute intoxication)

X and Y codes – X and Y codes are external cause of morbidity and mortality codes – they specify causative agent of injury when entered as the *Diagnosis Code* when *Diagnosis Type* = 9.

Included in definition: Diagnosis X Type = 9 and Diagnosis X Code = X41 (Accidental poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified – includes psychostimulants); Diagnosis X Type = 9 and Diagnosis X Code = X61 (Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified – includes psychostimulants); Diagnosis X Type = 9 and Diagnosis X Code = Y11 (Poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified, undetermined intent – includes psychostimulants).

*Note: Y40-59 are not included as these relate to expected adverse drug effects in therapeutic use

Figure 1: GLM regression estimates – Mean report card score. Between-student analysis Gr K-8 PDP

Observed period: AY 2016, 2017

n = 2416

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[yellow box]  Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups
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Overall

	Estimate	95% CI	p value
Intercept	3.26	2.90, 3.61	<.0001
Treated ADHD	-0.17	-0.21, -0.13	<.0001
Untreated ADHD	-0.15	-0.18, -0.12	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	2.67	2.03, 3.31	<.0001
Treated ADHD	-0.23	-0.30, -0.16	<.0001
Untreated ADHD	-0.19	-0.24, -0.14	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	3.17	2.65, 3.69	<.0001
Treated ADHD	-0.21	-0.27, -0.16	<.0001
Untreated ADHD	-0.19	-0.23, -0.15	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	2.67	2.19, 3.15	<.0001
Treated ADHD	-0.18	-0.23, -0.13	<.0001
Untreated ADHD	-0.17	-0.21, -0.13	<.0001
No ADHD (ref)	0	.	.

Figure 2: GLM regression estimates - Mean report card score. Between-student analysis Gr K-8 DIS

Observed period: AY 2017 - 2020

n = 159,778

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	95.97	77.37, 114.56	<.0001
Treated ADHD	-1.25	-3.81, 1.32	0.34
Untreated ADHD	-5.34	-6.90, -3.78	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	68.59	43.29, 93.90	<.0001
Treated ADHD	-1.56	-4.81, 1.70	0.35
Untreated ADHD	-4.32	-6.32, -2.31	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	83.26	61.14, 105.39	<.0001
Treated ADHD	-1.46	-4.17, 1.24	0.29
Untreated ADHD	-4.62	-6.28, -2.96	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	86.71	84.76, 88.66	<.0001
Treated ADHD	-5.36	-5.82, -4.90	<.0001
Untreated ADHD	-6.14	-6.46, -5.83	<.0001
No ADHD (ref)	0	.	.

Figure 3: GLM regression estimates - Mean report card score. Between-student analysis Gr K-8 Pooled

Observed period: AY 2016-2020

n = 161,511

[yellow box] Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	3.02	3.00, 3.04	<.0001
Treated ADHD	-0.17	-0.18, -0.17	<.0001
Untreated ADHD	-0.15	-0.16, -0.15	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	3.09	3.06, 3.12	<.0001
Treated ADHD	-0.23	-0.24, -0.22	<.0001
Untreated ADHD	-0.20	-0.21, -0.19	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	2.86	2.84, 2.89	<.0001
Treated ADHD	-0.27	-0.28, -0.26	<.0001
Untreated ADHD	-0.23	-0.23, -0.22	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	3.07	3.05, 3.10	<.0001
Treated ADHD	-0.20	-0.21, -0.19	<.0001
Untreated ADHD	-0.17	-0.18, -017	<.0001
No ADHD (ref)	0	.	.

Figure 4: GLM regression estimates - Mean report card score. Between-student analysis Gr 9-12 PDP

Observed period: AY 2016, 2017

n = 2,361

<div style="border:1px solid black; background:yellow; width:3em;"> </div> Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	95.97	77.37, 114.56	<.0001
Treated ADHD	-1.25	-3.81, 1.32	0.34
Untreated ADHD	-5.34	-6.90, -3.78	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	68.59	43.29, 93.90	<.0001
Treated ADHD	-1.56	-4.81, 1.70	0.35
Untreated ADHD	-4.32	-6.32, -2.31	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	83.26	61.14, 105.39	<.0001
Treated ADHD	-1.46	-4.17, 1.24	0.29
Untreated ADHD	-4.62	-6.28, -2.96	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	72.98	52.57, 93.38	<.0001
Treated ADHD	-1.75	-4.72, 1.22	0.25
Untreated ADHD	-4.28	-6.08, -2.49	<.0001
No ADHD (ref)	0	.	.

Figure 5: GLM regression estimates - Mean report card score. Between-student analysis Gr 9-12 DIS

Observed period: AY 2017 - 2020

n = 88,152

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	88.17	86.59, 89.75	<.0001
Treated ADHD	-4.93	-5.29, -4.56	<.0001
Untreated ADHD	-6.19	-6.45, -5.94	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	85.23	82.97, 87.49	<.0001
Treated ADHD	-5.04	-5.58, -4.50	<.0001
Untreated ADHD	-5.84	-6.22, -5.47	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	83.56	81.89, 85.23	<.0001
Treated ADHD	-5.20	-5.59, -4.80	<.0001
Untreated ADHD	-5.63	-5.90, -5.36	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	86.95	85.00, 88.91	<.0001
Treated ADHD	-5.38	-5.84, -4.92	<.0001
Untreated ADHD	-6.16	-6.48, -5.84	<.0001
No ADHD (ref)	0	.	.

Figure 6: GLM regression estimates - Mean report card score. Between-student analysis Gr 9-12 Pooled

Observed period: AY 2016-2020

n = 89,959

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	88.29	86.72, 89.87	<.0001
Treated ADHD	-4.89	-5.26, -4.53	<.0001
Untreated ADHD	-6.20	-6.45, -5.95	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	84.86	82.61, 87.11	<.0001
Treated ADHD	-5.02	-5.55, -4.48	<.0001
Untreated ADHD	-5.80	-6.17, -5.43	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	83.60	81.93, 85.27	<.0001
Treated ADHD	-5.15	-5.55, -4.76	<.0001
Untreated ADHD	-5.64	-5.90, -5.37	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	86.71	84.76, 88.66	<.0001
Treated ADHD	-5.36	-5.82, -4.90	<.0001
Untreated ADHD	-6.14	-6.46, -5.83	<.0001
No ADHD (ref)	0	.	.

Figure 7: GLM regression estimates – Proportion of report card scores 3 or higher. Between-student analysis Gr K-8 PDP

Observed period: AY 2016, 2017

n = 2416

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	1.12	0.86 – 1.37	<.0001
Treated ADHD	-0.12	-0.15, -0.09	<.0001
Untreated ADHD	-0.10	-0.12, -0.08	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	0.60	0.01, 1.09	0.02
Treated ADHD	-0.14	-0.20, -0.09	<.0001
Untreated ADHD	-0.13	-0.17, -0.09	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	1.18	0.78, 1.59	<.0001
Treated ADHD	-0.16	-0.20, -0.11	<.0001
Untreated ADHD	-0.12	-0.15, -0.09	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	0.63	0.25, 1.01	0.001
Treated ADHD	-0.14	-0.18, -0.09	<.0001
Untreated ADHD	-0.12	-0.15, -0.10	<.0001
No ADHD (ref)	0	.	.

Figure 8: GLM regression estimates – Proportion of report card scores 3 or higher. Between-student analysis Gr K-8 DIS

Observed period: AY 2017 - 2020

n = 159,778

<table>
<tr><td style="background-color:yellow">   </td><td>Significant difference vs No ADHD group</td></tr>
</table>

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	1.00	0.98, 1.01	<.0001
Treated ADHD	-0.11	-0.11, -0.11	<.0001
Untreated ADHD	-0.10	-0.10, -0.09	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	1.01	0.99, 1.04	<.0001
Treated ADHD	-0.16	-0.16, -0.15	<.0001
Untreated ADHD	-0.14	-0.14, -0.13	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	0.84	0.81, 0.86	<.0001
Treated ADHD	-0.19	-0.19, -0.18	<.0001
Untreated ADHD	-0.16	-0.16, -0.15	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	1.01	0.99, 1.02	<.0001
Treated ADHD	-0.14	-0.14, -0.13	<.0001
Untreated ADHD	-0.12	-0.13, -0.12	<.0001
No ADHD (ref)	0	.	.

Figure 9: GLM regression estimates – Proportion of report card scores 3 or higher. Between-student analysis Gr K-8 Pooled

Observed period: AY 2016-2020

n = 161,511

<div style="border: 2px solid black; background: yellow; width: 2em; height: 2em;"></div> Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	1.00	0.99, 1.01	<.0001
Treated ADHD	-0.11	-0.11, -0.11	<.0001
Untreated ADHD	-0.10	-0.10, -0.09	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	1.01	0.99, 1.04	<.0001
Treated ADHD	-0.15	-0.16, -0.15	<.0001
Untreated ADHD	-0.14	-0.14, -0.13	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	0.84	0.81, 0.86	<.0001
Treated ADHD	-0.19	-0.19, -0.18	<.0001
Untreated ADHD	-0.16	-0.16, -0.15	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	1.01	0.99, 1.03	<.0001
Treated ADHD	-0.14	-0.14, -0.13	<.0001
Untreated ADHD	-0.12	-0.13, -0.12	<.0001
No ADHD (ref)	0	.	.

Figure 10: GLM regression estimates – Proportion of courses failed (Score <60%). Gr 9-12 PDP
Observed period: AY2016, 2017
n = 2361

 Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p-value
Intercept	-0.25	-0.55, 0.062	0.12
Treated ADHD	0.012	-0.033, 0.058	0.59
Untreated ADHD	0.071	0.044, 0.099	<0.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p-value
Intercept	0.30	-0.24, 0.84	0.28
Treated ADHD	0.0031	-0.065, 0.072	0.93
Untreated ADHD	0.068	0.027, 0.11	0.0013
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p-value
Intercept	0.33	-0.11, 0.77	0.14
Treated ADHD	0.011	-0.043, 0.066	0.68
Untreated ADHD	0.069	0.037, 0.10	<0.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p-value
Intercept	0.12	-0.29, 0.53	0.55
Treated ADHD	0.020	-0.040, 0.080	0.52
Untreated ADHD	0.074	0.038, 0.11	<0.0001
No ADHD (ref)	0	.	.

Figure 11: GLM regression estimates – Proportion of courses failed (Score <60%). Gr 9-12 DIS
Observed period: AY2017-2020
n = 88,152

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p-value
Intercept	0.00098	-0.023, 0.025	0.94
Treated ADHD	0.035	0.030, 0.041	<0.0001
Untreated ADHD	0.061	0.058, 0.065	<0.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p-value
Intercept	0.029	-0.013, 0.071	0.18
Treated ADHD	0.046	0.036, 0.056	<0.0001
Untreated ADHD	0.064	0.057, 0.070	<0.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p-value
Intercept	0.058	0.029, 0.087	<0.0001
Treated ADHD	0.034	0.027, 0.041	<0.0001
Untreated ADHD	0.053	0.049, 0.058	<0.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p-value
Intercept	-0.024	-0.059, 0.011	0.17
Treated ADHD	0.052	0.044, 0.061	<0.0001
Untreated ADHD	0.068	0.063, 0.074	<0.0001
No ADHD (ref)	0	.	.

Figure 12: GLM regression estimates – Proportion of courses failed (Score <60%). Gr 9-12 Pooled
Observed period: AY2016-2020
n = 89,959

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p-value
Intercept	-0.0019	-0.026, 0.022	0.88
Treated ADHD	0.035	0.030, 0.041	<0.0001
Untreated ADHD	0.062	0.058, 0.066	<0.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p-value
Intercept	0.034	-0.008, 0.076	0.11
Treated ADHD	0.045	0.035, 0.055	<0.0001
Untreated ADHD	0.064	0.057, 0.071	<0.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p-value
Intercept	0.060	0.031, 0.088	<0.0001
Treated ADHD	0.034	0.027, 0.040	<0.0001
Untreated ADHD	0.054	0.050, 0.059	<0.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p-value
Intercept	-0.020	-0.055, 0.014	0.25
Treated ADHD	0.052	0.044, 0.060	<0.00010
Untreated ADHD	0.069	0.064, 0.075	<0.0001
No ADHD (ref)	0	.	.

Figure 13: GLM regression estimates - Mean report card score difference. Within-student analysis Gr K-8 PDP

Observed period: AY 2016→2017

n = 502

 Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-1.19	-2.05, -0.33	0.0066
Tx→Tx	0.066	-0.011, 0.14	0.092
Tx→UnTx	-0.20	-0.42, 0.070	0.058
UnTx→Tx	0.048	-0.086, 0.18	0.48
UnTx→UnTx	-0.019	-0.069, 0.031	0.45
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	0.17	-0.90, 1.24	0.75
Tx→Tx	0.15	-0.0022, 0.30	0.053
Tx→UnTx	-0.25	-0.67, 0.16	0.22
UnTx→Tx	0.087	-0.17, 0.35	0.51
UnTx→UnTx	-0.028	-0.13, 0.071	0.58
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-3.11	-4.41, -1.81	<.0001
Tx→Tx	0.068	-0.049, 0.19	0.25
Tx→UnTx	-0.12	-0.44, 0.20	0.48
UnTx→Tx	0.0085	-0.20, 0.22	0.94
UnTx→UnTx	-0.025	-0.10, 0.053	0.53
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	0.0018	-0.82, 0.83	1.00
Tx→Tx	0.092	-0.025, 0.21	0.12
Tx→UnTx	-0.38	-0.70, -0.061	0.020
UnTx→Tx	0.12	-0.084, 0.32	0.25
UnTx→UnTx	-0.027	-0.10, 0.049	0.48
NoADHD→NoADHD	0	.	.

Figure 14: GLM regression estimates - Mean report card score difference. Within-student analysis Gr K-8 DIS

Observed period: AY 2017→2018, 2018→2019, 2019→2020

n = 75,682

☐ Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-0.15	-0.19, -0.12	<.0001
Tx→Tx	0.0065	-0.00063, 0.014	0.074
Tx→UnTx	-0.0065	-0.026, 0.013	0.50
UnTx→Tx	0.010	-0.0094, 0.030	0.31
UnTx→UnTx	0.0014	-0.0039, 0.0066	0.61
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-0.20	-0.26, -0.14	<.0001
Tx→Tx	0.0043	-0.0079, 0.017	0.49
Tx→UnTx	-0.0064	-0.040, 0.027	0.70
UnTx→Tx	0.053	0.020, 0.086	0.0019
UnTx→UnTx	-0.0028	-0.012, 0.0062	0.55
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-0.19	-0.24, -0.14	<.0001
Tx→Tx	0.054	0.043, 0.064	<.0001
Tx→UnTx	0.028	-0.00089, 0.058	0.057
UnTx→Tx	0.060	0.030, 0.089	<.0001
UnTx→UnTx	0.032	0.024, 0.040	<.0001
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-0.17	-0.21, -0.12	<.0001
Tx→Tx	0.0055	-0.0047, 0.016	0.29
Tx→UnTx	0.020	-0.0075, 0.048	0.15
UnTx→Tx	0.041	0.013, 0.070	0.0038
UnTx→UnTx	-0.0023	-0.0098, 0.0053	0.56
NoADHD→NoADHD	0	.	.

Figure 15: GLM regression estimates - Mean report card score difference. Within-student analysis Gr K-8 Pooled

Observed period: AY 2016→2017, 2017→2018, 2018→2019, 2019→2020

n = 76,184

☐ Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-0.16	-0.19, -0.12	<.0001
Tx→Tx	0.0075	0.00037, 0.015	0.039
Tx→UnTx	-0.0083	-0.027, 0.011	0.39
UnTx→Tx	0.013	-0.0066, 0.032	0.20
UnTx→UnTx	0.0015	-0.0036, 0.0067	0.56
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-0.20	-0.26, -0.14	<.0001
Tx→Tx	0.0056	-0.0066, 0.018	0.37
Tx→UnTx	-0.0086	-0.042, 0.025	0.61
UnTx→Tx	0.055	0.022, 0.088	0.0011
UnTx→UnTx	-0.0035	-0.012, 0.0054	0.44
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-0.20	-0.25, -0.15	<.0001
Tx→Tx	0.054	0.043, 0.065	<.0001
Tx→UnTx	0.027	-0.0019, 0.056	0.067
UnTx→Tx	0.061	0.032, 0.090	<.0001
UnTx→UnTx	0.032	0.024, 0.039	<.0001
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-0.17	-0.22, -0.12	<.0001
Tx→Tx	0.0066	-0.0036, 0.017	0.21
Tx→UnTx	0.017	-0.011, 0.044	0.24
UnTx→Tx	0.044	0.016, 0.071	0.002
UnTx→UnTx	-0.0025	-0.0099, 0.0050	0.52
NoADHD→NoADHD	0	.	.

Figure 16: GLM regression estimates - Mean report card score difference. Within-student analysis Gr 9-12 PDP

Observed period: AY 2016→2017

n = 635

<table>
<tr><td style="background-color:yellow"> </td><td>Significant difference vs NoADHD→NoADHD group</td></tr>
</table>

Overall

	Estimate	95% CI	p value
Intercept	0.58	-30.98, 32.13	0.97
Tx→Tx	1.32	-3.38, 6.02	0.58
Tx→UnTx	0.55	-6.58, 7.68	0.88
UnTx→Tx	-5.68	-16.56, 5.19	0.30
UnTx→UnTx	1.06	-1.61, 3.74	0.44
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-16.62	-61.96, 28,72	0.47
Tx→Tx	0.13	-8.48, 8.73	0.98
Tx→UnTx	5.49	-9.35, 20.34	0.47
UnTx→Tx	-12.57	-28.35, 3.20	0.12
UnTx→UnTx	1.66	-3.12, 6.44	0.50
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	5.79	-25.94, 37.52	0.72
Tx→Tx	3.45	-2.78, 9.68	0.28
Tx→UnTx	-2.05	-11.16, 7.05	0.66
UnTx→Tx	**-18.68**	**-33.56, -3.79**	**0.014**
UnTx→UnTx	0.061	-3.32, 3.44	0.97
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-2.42	-44.57, 39.73	0.91
Tx→Tx	1.44	-5.26, 8.14	0.67
Tx→UnTx	6.98	-4.93, 18.89	0.25
UnTx→Tx	-10.73	-25.07, 3.60	0.14
UnTx→UnTx	0.89	-2.85, 4.62	0.64
NoADHD→NoADHD	0	.	.

Figure 17: GLM regression estimates - Mean report card score difference. Within-student analysis Gr 9-12 DIS

Observed period: AY 2017→2018, 2018→2019, 2019→2020

n = 43,143

☐ Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-20.25	-22.40, -18.10	<.0001
Tx→Tx	-0.23	-0.66, 0.20	0.29
Tx→UnTx	-0.88	-1.78, 0.0096	0.053
UnTx→Tx	-0.24	-1.56, 1.070	0.72
UnTx→UnTx	0.27	-0.030, 0.57	0.078
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-19.11	-24.14, -14.08	<.0001
Tx→Tx	-0.21	-1.15, 0.72	0.66
Tx→UnTx	2.01	-0.16, 4.19	0.07
UnTx→Tx	1.76	-1.03, 4.55	0.22
UnTx→UnTx	1.35	0.67, 2.02	<.0001
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-13.24	-15.99, -10.50	<.0001
Tx→Tx	-0.050	-0.60, 0.50	0.86
Tx→UnTx	-1.45	-2.64, -0.26	0.017
UnTx→Tx	-0.75	-2.40, 0.90	0.37
UnTx→UnTx	0.23	-0.15, 0.61	0.24
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-15.18	-18.45, -11.91	<.0001
Tx→Tx	-0.36	-1.0067, 0.29	0.28
Tx→UnTx	0.21	-1.19, 1.61	0.77
UnTx→Tx	0.57	-1.40, 2.55	0.57
UnTx→UnTx	0.67	0.21, 1.13	0.0047
NoADHD→NoADHD	0	.	.

Figure 18: GLM regression estimates - Mean report card score difference. Within-student analysis Gr 9-12 Pooled

Observed period: AY 2016→2017, 2017→2018, 2018→2019, 2019→2020)

n = 43,778

☐ Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-20.12	-22.27, -17.97	<.0001
Tx→Tx	-0.21	-0.64, 0.22	0.35
Tx→UnTx	-0.88	-1.77, -0.0017	0.050
UnTx→Tx	--0.38	-1.68, 0.93	0.57
UnTx→UnTx	0.27	-0.026, 0.57	0.074
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-19.51	-24.53, -14.50	<.0001
Tx→Tx	-0.22	-1.16, 0.71	0.64
Tx→UnTx	2.17	0.018, 4.32	0.048
UnTx→Tx	0.93	-1.82, 3.66	0.51
UnTx→UnTx	1.34	0.67, 2.01	<.0001
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-13.08	-15.83, -10.33	<.0001
Tx→Tx	0.0027	-0.54, 0.55	0.99
Tx→UnTx	-1.45	-2.63, -0.27	0.016
UnTx→Tx	-1.15	-2.79, 0.49	0.17
UnTx→UnTx	0.21	-0.16, 0.59	0.27
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-15.31	-18.58, -12.05	<.0001
Tx→Tx	-0.34	-0.98, 0.31	0.30
Tx→UnTx	0.38	-1.02, 1.77	0.60
UnTx→Tx	0.12	-1.83, 2.07	0.90
UnTx→UnTx	0.68	0.22, 1.14	0.0039
NoADHD→NoADHD	0	.	.

Figure 19: GLM regression estimates – Difference in proportion of report card scores 3 or higher.
Within-student analysis Gr K-8 PDP

Observed period: AY 2016→2017

n = 502

[YELLOW BOX] Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-0.40	-1.083, 0.29	0.25
Tx→Tx	0.047	-0.014, 0.11	0.13
Tx→UnTx	-0.13	-0.30, 0.034	0.12
UnTx→Tx	0.0027	-0.10, 0.11	0.96
UnTx→UnTx	-0.035	-0.075, 0.0052	0.088
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-0.011	-0.95, 0.93	0.98
Tx→Tx	0.089	-0.046, 0.22	0.20
Tx→UnTx	-0.10	-0.46, 0.26	0.58
UnTx→Tx	0.092	-0.14, 0.32	0.43
UnTx→UnTx	-0.026	-0.11, 0.061	0.56
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-1.17	-2.35, 0.011	0.052
Tx→Tx	0.081	-0.026, 0.19	0.14
Tx→UnTx	-0.12	-0.41, 0.17	0.41
UnTx→Tx	-0.066	-0.26, 0.13	0.50
UnTx→UnTx	-0.033	-0.10, 0.037	0.35
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-0.14	-0.84, 0.56	0.69
Tx→Tx	0.077	-0.022, 0.18	0.13
Tx→UnTx	-0.27	-0.54, 0.0032	0.053
UnTx→Tx	0.13	-0.045, 0.30	0.15
UnTx→UnTx	-0.042	-0.11, 0.022	0.20
NoADHD→NoADHD	0	.	.

Figure 20: GLM regression estimates – Difference in proportion of report card scores 3 or higher. Within-student analysis Gr K-8 DIS

Observed period: AY 2017→2018, 2018→2019, 2019→2020

n = 75,682

▢ Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-0.12	-0.15, -0.093	<.0001
Tx→Tx	**0.0084**	**0.0028, 0.014**	**0.0036**
Tx→UnTx	-0.0034	-0.019, 0.012	0.66
UnTx→Tx	-0.0081	-0.024, 0.0073	0.30
UnTx→UnTx	0.0040	-0.00018, 0.0081	0.061
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-0.13	-0.18, -0.076	<.0001
Tx→Tx	0.0095	-0.0013, 0.020	0.086
Tx→UnTx	0.0078	-0.022, 0.037	0.60
UnTx→Tx	0.021	-0.0084, 0.051	0.16
UnTx→UnTx	0.00093	-0.0071, 0.0089	0.82
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-0.14	-0.19, -0.093	<.0001
Tx→Tx	0.040	0.030, 0.050	<.0001
Tx→UnTx	0.022	-0.0058, 0.050	0.12
UnTx→Tx	0.016	-0.013, 0.044	0.28
UnTx→UnTx	0.020	0.013, 0.028	<.0001
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-0.11	-0.15, -0.066	<.0001
Tx→Tx	0.011	0.0025, 0.020	0.012
Tx→UnTx	0.025	0.00034, 0.049	0.047
UnTx→Tx	0.017	-0.0073, 0.042	0.17
UnTx→UnTx	0.0028	-0.0037, 0.0094	0.40
NoADHD→NoADHD	0	.	.

Figure 21: GLM regression estimates – Difference in proportion of report card scores 3 or higher. Within-student analysis Gr K-8 Pooled

Observed period: AY 2016→2017, 2017→2018, 2018→2019, 2019→2020

n = 76,184

[yellow box] Significant difference vs NoADHD→NoADHD group

Overall

	Estimate	95% CI	p value
Intercept	-0.12	-0.15, -0.094	<.0001
Tx→Tx	0.0090	0.0034, 0.015	0.0017
Tx→UnTx	-0.0047	-0.020, 0.010	0.55
UnTx→Tx	-0.0067	-0.022, 0.0086	0.39
UnTx→UnTx	0.0037	-0.00039, 0.0078	0.076
NoADHD→NoADHD	0	.	.

Math

	Estimate	95% CI	p value
Intercept	-0.13	-0.18, -0.075	<.0001
Tx→Tx	0.010	-0.00054, 0.021	0.063
Tx→UnTx	0.0072	-0.022, 0.037	0.63
UnTx→Tx	0.024	-0.0049, 0.054	0.10
UnTx→UnTx	0.00030	-0.0076, 0.0082	0.94
NoADHD→NoADHD	0	.	.

Language

	Estimate	95% CI	p value
Intercept	-0.14	-0.19, -0.096	<.0001
Tx→Tx	0.040	0.030, 0.051	<.0001
Tx→UnTx	0.021	-0.0071, 0.049	0.14
UnTx→Tx	0.015	-0.013, 0.043	0.30
UnTx→UnTx	0.020	0.012, 0.027	<.0001
NoADHD→NoADHD	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	-0.11	-0.15, -0.067	<.0001
Tx→Tx	0.012	0.0034, 0.021	0.0068
Tx→UnTx	0.022	-0.0024, 0.046	0.077
UnTx→Tx	0.021	-0.0036, 0.045	0.096
UnTx→UnTx	0.0023	-0.0042, 0.0088	0.48
NoADHD→NoADHD	0	.	.

Figure 22: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-8 PDP

Observed period: AY2015 – 2017

n = 1193

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	67.81	43.23, 92.40	<.0001
Treated ADHD	-12.13	-17.43, -6.82	<.0001
Untreated ADHD	-12.03	-15.65, -8.40	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	53.50	15.08, 91.92	0.0065
Treated ADHD	-15.99	-23.67, -8.31	<.0001
Untreated ADHD	-11.55	-17.14, -5.95	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	68.34	33.39, 103.29	0.0001
Treated ADHD	-8.97	-15.18, -2.77	0.0046
Untreated ADHD	-10.87	-15.07, -6.66	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	49.44	15.59, 83.29	0.0043
Treated ADHD	-16.20	-23.30, -9.10	<.0001
Untreated ADHD	-12.23	-17.28, -7.18	<.0001
No ADHD (ref)	0	.	.

Figure 23: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-8 DIS

Observed period: AY2017 – 2019

n = 18,628

🟨	Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	23.04	10.99, 35.08	0.0002
Treated ADHD	-14.02	-15.40, -12.64	<.0001
Untreated ADHD	-13.35	-14.60, -12.10	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	19.56	6.45, 32.66	0.0035
Treated ADHD	-14.79	-16.33, -13.25	<.0001
Untreated ADHD	-13.65	-15.05, -12.25	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	79.06	23.92, 134.20	0.005
Treated ADHD	-8.81	-10.72, -6.90	<.0001
Untreated ADHD	-8.32	-9.87, -6.77	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	53.41	31.18, 75.64	<.0001
Treated ADHD	-8.64	-10.40, -6.87	<.0001
Untreated ADHD	-9.48	-10.86, -8.09	<.0001
No ADHD (ref)	0	.	.

Figure 24: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-8 Pooled

Observed period: AY2015 – 2019

n = 19,562

<table>
<tr><td style="background-color:yellow">   </td><td>Significant difference vs No ADHD group</td></tr>
</table>

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	23.98	11.96, 36.00	<.0001
Treated ADHD	-13.99	-15.34, -12.63	<.0001
Untreated ADHD	-13.24	-14.45, -12.04	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	20.26	7.18, 33.35	0.0024
Treated ADHD	-14.68	-16.20, -13.16	<.0001
Untreated ADHD	-13.38	-14.75, -12.01	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	82.64	27.54, 137.73	0.0033
Treated ADHD	-9.15	-11.02, -7.28	<.0001
Untreated ADHD	-8.23	-9.73, -6.73	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	18.78	7.60, 29.96	0.001
Treated ADHD	-13.70	-14.93, -12.47	<.0001
Untreated ADHD	-12.51	-13.58, -11.43	<.0001
No ADHD (ref)	0	.	.

Figure 25: GLM regression estimates - Provincial assessment exams percentile rank. Gr 9-12 PDP

Observed period: AY2015 – 2017

n = 673

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	8.47	-63.20, 80.14	0.82
Treated ADHD	-6.62	-15.30, 2.06	0.14
Untreated ADHD	-1.58	-6.60, 3.43	0.54
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	13.54	-67.13, 94.21	0.74
Treated ADHD	-8.43	-20.58, 3.71	0.17
Untreated ADHD	-4.11	-11.51, 3.28	0.27
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	67.95	6.37, 129.53	0.031
Treated ADHD	-4.99	-13.88, 3.89	0.27
Untreated ADHD	-1.21	-6.36, 3.94	0.64
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	5.68	-59.92, 71.27	0.87
Treated ADHD	-1.92	-11.08, 7.25	0.68
Untreated ADHD	-1.82	-7.48, 3.83	0.53
No ADHD (ref)	0	.	.

Figure 26: GLM regression estimates - Provincial assessment exams percentile rank. Gr 9-12 DIS

Observed period: AY2017 – 2019

n = 16,932

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	42.12	21.00, 63.23	<.0001
Treated ADHD	-8.78	-10.46, -7.09	<.0001
Untreated ADHD	-9.56	-10.84, -8.29	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	55.71	30.70, 80.71	<.0001
Treated ADHD	-9.20	-11.47, -6.93	<.0001
Untreated ADHD	-11.50	-13.33, -9.68	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	49.74	23.42, 76.07	0.0002
Treated ADHD	-8.47	-10.08, -6.86	<.0001
Untreated ADHD	-8.94	-10.14, -7.74	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	53.41	31.18, 75.64	<.0001
Treated ADHD	-8.64	-10.40, -6.87	<.0001
Untreated ADHD	-9.48	-10.86, -8.09	<.0001
No ADHD (ref)	0	.	.

Figure 27: GLM regression estimates - Provincial assessment exams percentile rank. Gr 9-12 Pooled

Observed period: AY2015 – 2019

n = 17,456

Overall

	Estimate	95% CI	p value
Intercept	42.11	21.84, 62.38	<.0001
Treated ADHD	-8.68	-10.35, -7.01	<.0001
Untreated ADHD	-9.44	-10.69, -8.18	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	52.69	28.71, 76.67	<.0001
Treated ADHD	-9.11	-11.35, -6.86	<.0001
Untreated ADHD	-11.22	-13.01, -9.43	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	48.93	22.64, 75.22	0.0003
Treated ADHD	-8.46	-10.06, -6.85	<.0001
Untreated ADHD	-8.86	-10.06, -7.67	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	52.75	31.49, 74.00	<.0001
Treated ADHD	-8.54	-10.28, -6.80	<.0001
Untreated ADHD	-9.30	-10.65, -7.95	<.0001
No ADHD (ref)	0	.	.

Figure 28: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-12 PDP

Observed period: AY2015 – 2017

n = 1866

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	27.81	-15.06, 70.69	0.20
Treated ADHD	-10.65	-15.17, -6.14	<.0001
Untreated ADHD	-8.93	-11.87, -5.99	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	29.90	-10.23, 70.04	0.14
Treated ADHD	-13.92	-20.35, -7.50	<.0001
Untreated ADHD	-9.13	-13.50, -4.76	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	59.18	39.45, 78.91	<.0001
Treated ADHD	-7.47	-12.54, -2.39	0.004
Untreated ADHD	-7.46	-10.71, -4.21	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	17.76	-18.70, 54.23	0.34
Treated ADHD	-10.47	-16.05, -4.88	0.0002
Untreated ADHD	-7.70	-11.41, -3.99	<.0001
No ADHD (ref)	0	.	.

Figure 29: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-12 DIS

Observed period: AY2017 – 2019

n = 35,560

☐ (yellow box) Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	21.01	11.00, 31.02	<.0001
Treated ADHD	-11.84	-12.90, -10.77	<.0001
Untreated ADHD	-11.58	-12.48, -10.70	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	19.17	8.65, 29.69	0.0004
Treated ADHD	-12.82	-14.09, -11.56	<.0001
Untreated ADHD	-12.89	-14.00, -11.79	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	49.80	27.52, 72.09	<.0001
Treated ADHD	-8.61	-9.83, -7.40	<.0001
Untreated ADHD	-8.78	-9.72, -7.84	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	16.45	7.08, 25.82	0.0006
Treated ADHD	-11.83	-12.84, -10.82	<.0001
Untreated ADHD	-11.54	-12.40, -10.68	<.0001
No ADHD (ref)	0	.	.

Figure 30: GLM regression estimates - Provincial assessment exams percentile rank. Gr K-12 Pooled

Observed period: AY2015 – 2019

n = 37,018

☐ (yellow) Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Overall

	Estimate	95% CI	p value
Intercept	22.28	12.43, 32.12	<.0001
Treated ADHD	-11.79	-12.84, -10.74	<.0001
Untreated ADHD	-11.49	-12.36, -10.62	<.0001
No ADHD (ref)	0	.	.

Math

	Estimate	95% CI	p value
Intercept	52.69	28.71, 76.67	<.0001
Treated ADHD	-9.11	-11.35, -6.86	<.0001
Untreated ADHD	-11.22	-13.01, -9.43	<.0001
No ADHD (ref)	0	.	.

Language

	Estimate	95% CI	p value
Intercept	50.85	28.57, 73.14	<.0001
Treated ADHD	-8.76	-9.96, -7.55	<.0001
Untreated ADHD	-8.67	-9.60, -7.74	<.0001
No ADHD (ref)	0	.	.

STEM

	Estimate	95% CI	p value
Intercept	17.58	8.34, 26.82	0.0002
Treated ADHD	-11.80	-12.80, -10.80	<.0001
Untreated ADHD	-11.29	-12.13, -10.45	<.0001
No ADHD (ref)	0	.	.

Figure 31: Logistic regression estimates - Likelihood of not graduating from high school on first attempt

    Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

PDP (Observed period: AY2010-2017)
n = 2055

	OR	95% CI	p value
Treated (vs NoADHD)	1.16	0.54, 2.49	0.3848
Untreated (vs NoADHD)	2.62	2.00, 3.43	<0.0001

DIS (Observed period: AY2017-2019)
n = 14,710

	OR	95% CI	p value
Treated (vs NoADHD)	1.39	1.02, 1.89	0.655
Untreated (vs NoADHD)	2.22	1.87, 2.64	<0.0001

Pooled (Observed period: AY2010-2019)
n = 16,651

	OR	95% CI	p value
Treated (vs NoADHD)	1.41	1.07, 1.88	0.5279
Untreated (vs NoADHD)	2.39	2.08, 2.76	<0.0001

Figure 32: Logistic regression estimates - Likelihood of not transitioning to post-secondary education in NB following high school graduation. PDP analysis

    Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Within 6 months of graduation
Observed cohort: Graduates from AY2015 – AY2018
n = 808

	OR	95% CI	p value
Treated (vs No ADHD)	1.19	0.41 - 3.47	0.9733
Untreated(vs No ADHD)	1.35	0.84 – 2.17	0.526

Within 2 years of graduation
Observed cohort: Graduates from AY2015 – AY2017
n = 694

	OR	95% CI	p value
Treated (vs No ADHD)	1.47	0.43 – 5.01	0.6995
Untreated(vs No ADHD)	1.32	0.79 – 2.22	0.8197

Figure 33: Logistic regression estimates - Likelihood of not transitioning to post-secondary education in NB following high school graduation. DIS analysis

n = 1299

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Within 6 months of graduation
Observed cohort: Graduates from AY2018

	OR	95% CI	p value
Treated (vs No ADHD)	0.77	0.54, 1.09	0.0061
Untreated (vs No ADHD)	1.42	1.06, 1.90	0.0004

Figure 34: Logistic regression estimates - Likelihood of not transitioning to post-secondary education in NB following high school graduation. Pooled analysis

n = 2027

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Within 6 months of graduation
Observed cohort: Graduates from AY2015-AY2018

	OR	95% CI	p value
Treated (vs No ADHD)	0.83	0.61, 1.14	0.0065
Untreated(vs No ADHD)	1.57	1.23, 2.01	<0.0001

Figure 35: GLM regression estimates – Absences per person (any absence). Gr K-12 DIS

    Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Observed period: AY2018
n = 92,016

	Estimate	95% CI	p-value
Intercept	-65.65	-71.27, -60.02	<0.0001
Treated ADHD	-3.86	-5.32, -2.41	<0.0001
Untreated ADHD	7.50	6.43, 8.57	<0.0001
No ADHD (ref)	0	.	.

Observed period: AY2019
n = 91,862

	Estimate	95% CI	p-value
Intercept	-36.68	-40.55, -32.82	<0.0001
Treated ADHD	-2.56	-3.53, -1.58	<0.0001
Untreated ADHD	7.13	6.39, 7.86	<0.0001
No ADHD (ref)	0	.	.

Observed period: AY2020
n = 93,768

	Estimate	95% CI	p-value
Intercept	-45.30	-50.80, -39.79	<0.0001
Treated ADHD	-4.34	-5.93, -2.75	<0.0001
Untreated ADHD	7.87	6.75, 9.00	<0.0001
No ADHD (ref)	0	.	.

Observed period: AY2018-AY2020
n = 277,990

	Estimate	95% CI	p-value
Intercept	-52.13	-54.67, -49.59	<0.0001
Treated ADHD	-3.18	-3.96, -2.40	<0.0001
Untreated ADHD	8.25	7.69, 8.80	<0.0001
No ADHD (ref)	0	.	.

Figure 36: GLM regression estimates – Absences per person (by reason for absence). Gr K-12 DIS Observed period: AY2018-AY2020

    Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Absence due to Illness
n = 277,990

	Estimate	95% CI	p-value
Intercept	-3.94	-5.06, -2.81	<0.0001
Treated ADHD	-1.33	-1.62, -1.03	<0.0001
Untreated ADHD	0.74	0.54, 0.94	<0.0001
No ADHD (ref)	0	.	.

Absence due to Medical Appointment
n = 277,990

	Estimate	95% CI	p-value
Intercept	-0.94	-1.42, -0.45	0.0002
Treated ADHD	-0.056	-0.17, 0.063	0.35
Untreated ADHD	0.21	0.12, 0.30	<0.0001
No ADHD (ref)	0	.	.

Absence due to Out of School Suspension
n = 277,990

	Estimate	95% CI	p-value
Intercept	-24.97	-32.83, -17.10	<0.0001
Treated ADHD	0.55	-1.08, 2.18	0.51
Untreated ADHD	1.43	0.15, 2.70	0.029
No ADHD (ref)	0	.	.

Absence due to Unknown Reasons
n = 277,990

	Estimate	95% CI	p-value
Intercept	-58.26	-61.05, -55.47	<0.0001
Treated ADHD	-3.92	-4.74, -3.10	<0.0001
Untreated ADHD	7.31	6.72, 7.90	<0.0001
No ADHD (ref)	0	.	.

Figure 37: GLM regression estimates – Absences per person (by duration of absence). Gr K-12 DIS

Observed period: AY2018-AY2020

■ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Absence duration: 1 period

n = 277,990

	Estimate	95% CI	p-value
Intercept	-22.26	-22.95, -21.58	<0.0001
Treated ADHD	2.53	2.26, 2.79	<0.0001
Untreated ADHD	2.33	2.16, 2.51	<0.0001
No ADHD (ref)	0	.	.

Absence duration: >1 period

n = 277,990

	Estimate	95% CI	p-value
Intercept	-54.38	-55.94, -52.82	<0.0001
Treated ADHD	-4.60	-5.41, -3.78	<0.0001
Untreated ADHD	7.40	6.85, 7.95	<0.0001
No ADHD (ref)	0	.	.

Figure 38: GLM regression estimates – Physician visits per person (by provider type). PDP analysis

Observed period: Oct 1 2008 – Mar 31 2018

n = 60,348

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

GP/NP

	Estimate	95% CI	p value
Intercept	1.01	0.76, 1.25	<0.0001
Treated ADHD	0.26	0.15, 0.37	<0.0001
Untreated ADHD	0.62	0.57, 0.67	<0.0001
No ADHD (ref)	0	.	.

Pediatrician

	Estimate	95% CI	p value
Intercept	0.24	0.14, 0.34	<0.0001
Treated ADHD	0.56	0.52, 0.60	<0.0001
Untreated ADHD	0.46	0.44, 0.48	<0.0001
No ADHD (ref)	0	.	.

Psychiatrist

	Estimate	95% CI	p value
Intercept	0.028	-0.029, 0.086	0.33
Treated ADHD	0.15	0.12, 0.17	<0.0001
Untreated ADHD	0.14	0.13, 0.15	<0.0001
No ADHD (ref)	0	.	.

Any provider type (GP/NP + Pediatrician + Psychiatrist)

	Estimate	95% CI	p value
Intercept	1.28	1.01, 1.55	<0.0001
Treated ADHD	0.97	0.85, 1.09	<0.0001
Untreated ADHD	1.22	1.17, 1.27	<0.0001
No ADHD (ref)	0	.	.

Figure 39: GLM regression estimates – Physician visits per person (by provider type). DIS analysis
Observed period: July 1 2017 – Dec 31 2020
n = 294,751

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

GP/NP

	Estimate	95% CI	p value
Intercept	0.54	0.46, 0.61	<0.0001
Treated ADHD	0.64	0.60, 0.67	<0.0001
Untreated ADHD	0.44	0.42, 0.47	<0.0001
No ADHD (ref)	0	.	.

Pediatrician

	Estimate	95% CI	p value
Intercept	0.020	-0.0052, 0.046	0.12
Treated ADHD	0.62	0.61, 0.64	<0.0001
Untreated ADHD	0.27	0.27, 0.28	<0.0001
No ADHD (ref)	0	.	.

Psychiatrist

	Estimate	95% CI	p value
Intercept	-0.22	-0.24, -0.20	<0.0001
Treated ADHD	0.17	0.16, 0.18	<0.0001
Untreated ADHD	0.12	0.11, 0.13	<0.0001
No ADHD (ref)	0	.	.

Any provider type (GP/NP + Pediatrician + Psychiatrist)

	Estimate	95% CI	p value
Intercept	0.34	0.26, 0.42	<0.0001
Treated ADHD	1.43	1.40, 1.47	<0.0001
Untreated ADHD	0.84	0.81, 0.87	<0.0001
No ADHD (ref)	0	.	.

Figure 40: GLM regression estimates – Physician visits per person (by provider type). Pooled analysis

Observed period: Oct 1 2008 – Dec 31 2020

n = 354,197

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

GP/NP

	Estimate	95% CI	p value
Intercept	0.61	0.55, 0.67	<0.0001
Treated ADHD	0.57	0.54, 0.60	<0.0001
Untreated ADHD	0.48	0.45, 0.50	<0.0001
No ADHD (ref)	0	.	.

Pediatrician

	Estimate	95% CI	p value
Intercept	0.042	0.020, 0.064	0.0002
Treated ADHD	0.61	0.60, 0.62	<0.0001
Untreated ADHD	0.31	0.31, 0.32	<0.0001
No ADHD (ref)	0	.	.

Psychiatrist

	Estimate	95% CI	p value
Intercept	-0.14	-0.16, -0.13	<0.0001
Treated ADHD	0.16	0.15, 0.17	<0.0001
Untreated ADHD	0.12	0.11, 0.12	<0.0001
No ADHD (ref)	0	.	.

Any provider type (GP/NP + Pediatrician + Psychiatrist)

	Estimate	95% CI	p value
Intercept	0.51	0.44, 0.57	<0.0001
Treated ADHD	1.34	1.30, 1.37	<0.0001
Untreated ADHD	0.91	0.88, 0.93	<0.0001
No ADHD (ref)	0	.	.

Figure 41: GLM regression estimates – Hospitalizations per person (by cause). PDP analysis
Observed period: Oct 1 2008 – Mar 31 2018
n = 79,011

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Due to injury

	Estimate	95% CI	p value
Intercept	0.0017	-0.0038, 0.0072	0.54
Treated ADHD	-0.0014	-0.0040, 0.0012	0.30
Untreated ADHD	0.0025	0.0014, 0.0037	<0.0001
No ADHD (ref)	0	.	.

Due to stimulant and other drug toxicity

	Estimate	95% CI	p value
Intercept	-0.0014	-0.0040, 0.0012	0.30
Treated ADHD	-0.0017	-0.0030, -0.00045	0.0077
Untreated ADHD	0.00035	-0.00020, 0.00091	0.22
No ADHD (ref)	0	.	.

Figure 42: GLM regression estimates – Hospitalizations per person (by cause). DIS analysis
Observed period: July 1 2017 – Mar 31 2021
n = 393,125

☐ Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Due to injury

	Estimate	95% CI	p value
Intercept	-0.0019	-0.0029, -0.00096	<0.0001
Treated ADHD	0.00019	-0.00036, 0.00074	0.50
Untreated ADHD	0.00057	0.00014, 0.0010	0.01
No ADHD (ref)	0	.	.

Due to stimulant and other drug toxicity

	Estimate	95% CI	p value
Intercept	-0.00074	-0.0012, -0.00029	0.0013
Treated ADHD	-0.00053	-0.00079, -0.00027	<0.0001
Untreated ADHD	0.00026	0.000052, 0.00047	0.015
No ADHD (ref)	0	.	.

Figure 43: GLM regression estimates – Hospitalizations per person (by cause). Pooled analysis Observed period: Oct 1 2008 – Mar 31 2021

n = 471,028

Significant difference vs No ADHD group

*Significant difference between Treated and Untreated groups

Due to injury

	Estimate	95% CI	p value
Intercept	-0.0022	-0.0031, -0.0012	<0.0001
Treated ADHD	-0.000092	-0.00066, 0.00048	0.75
Untreated ADHD	0.00092	0.00051, 0.0013	<0.0001
No ADHD (ref)	0	.	.

Due to stimulant and other drug toxicity

	Estimate	95% CI	p value
Intercept	-0.00084	-0.0013, -0.00037	0.0005
Treated ADHD	-0.00067	-0.00096, -0.00039	<0.0001
Untreated ADHD	0.00029	0.000079, 0.00049	0.0066
No ADHD (ref)	0	.	.