*Table S1. Effect Size Estimates for the Association between Early Pubertal Timing and Externalizing Problems*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Al-Sahab et al. (2012) Female .505 .385 -.249 1.259 1.313 .189

Arim & Shapka (2008) Female .037 .473 -.891 .965 .078 .938

Arim & Shapka (2008) Male .082 .551 -.999 1.163 .149 .882

Bakker et al. (2011) Female .101 .226 -.342 .544 .447 .655

Bakker et al. (2011) Male -.020 .228 -.467 .427 -.088 .930

Benoit et al. (2013) Female .134 .167 -.194 .462 .801 .423

Benoit et al. (2013) Male .095 .176 -.250 .440 .540 .589

Burt et al. (2006) Female .123 .315 -.494 .740 .391 .696

Caspi & Moffit (1991) Female .280 .373 -.451 1.011 .751 .453

Carter et al. (2011) Female .114 .182 -.242 .470 .628 .530

Copeland et al. (2010) Female .387 .221 -.047 .821 1.748 .080

Costello et al. (2007) Female .631 .333 -.022 1.284 1.894 .058

Costello et al. (2007) Male .051 .286 -.510 .612 .178 .859

Cui et al. (2011) Mixed .040 .385 -.714 .794 .104 .917

Deardorff et al. (2005) Female .461 .179 .110 .812 2.577 .010

Deppen et al. (2012) Female -.052 .230 -.503 .399 -.226 .821

Foshee et al. (2007) Female .030 .344 -.643 .703 .087 .930

Foshee et al. (2007) Male .161 .339 -.504 .826 .475 .635

Gaudineau et al. (2010) Female .443 .221 .009 .877 2.001 .045

Ge et al. (2002) Female .201 .161 -.115 .517 1.247 .213

Ge et al. (2002) Male .227 .167 -.101 .555 1.357 .175

Ge et al. (2006) Mixed .353 .164 .031 .675 2.148 .032

Ge et al. (2006) Female .199 .032 .137 .261 6.293 .000

Ge et al. (2006) Male .179 .232 -.276 .634 .770 .441

Graber et al. (1995) Female .606 .496 -.366 1.578 1.222 .222

Graber et al. (2004) Male -.003 .435 -.855 .849 -.007 .994

Graber et al. (2010) Female .224 .298 -.361 .809 .751 .452

Hamerlynck et al. (2007) Female .354 .442 -.511 1.219 .802 .423

Haynie (2003) Female .140 .084 -.024 .304 1.673 .094

Jaszyna-Gasior et al. (2000) Female .473 .499 -.505 1.451 .948 .343

Jin et al. (2008) Mixed .232 .324 -.403 .867 .716 .474

Kaltiala-Heino et al. (2011) Female .839 .202 .442 1.236 4.144 .00

Kaltiala-Heino et al. (2011) Male .725 .241 .253 1.197 3.010 .003

Keenan et al. (2014) Female .899 .046 .809 .989 19.543 .000

Kim & Smith (2007) Female .645 .167 .317 .973 3.855 .000

Kim & Smith (2007) Male .297 .226 -.146 .740 1.315 .188

Lynne (2007) Mixed .089 .179 -.262 .440 .498 .619

Lynne-Landsman (2010) Mixed .330 .167 .002 .658 1.972 .049

Magnusson (1985) Female .510 .396 -.267 1.287 1.287 .198

Marceau et al. (2011) Female .346 .302 -.245 .937 1.147 .251

Marceau et al. (2011) Male .136 .134 -.127 .399 1.014 .311

Marceau et al. (2012) Female -.027 .298 -.612 .558 -.091 .928

Marceau et al. (2012) Male -.082 .303 -.676 .512 -.270 .787

Marklein et al. (2009) Female .116 .184 -.245 .477 .629 .529

Martino & Lester (2013) Female .283 .401 -.503 1.069 .705 .481

Michaud et al. (2006) Female .166 .126 -.082 .414 1.312 .189

Michaud et al. (2006) Male .310 .118 .078 .542 2.620 .009

Mrug et al. (2008) Female .287 .141 .010 .564 2.029 .042

Natsuaki et al. (2009) Mixed .699 .381 -.047 1.445 1.836 .066

Negriff (2008) Mixed .148 .126 -.100 .396 1.17 .242

Negriff (2010) Mixed .195 .207 -.211 .601 .940 .347

Negriff (2011) Female -.004 .195 -.386 .378 -.021 .984

Negriff (2011) Mixed .216 .126 -.032 .464 1.708 .088

Schellman-Offermans (2013) Female .005 .247 -.479 .489 .02 .984

Schellman-Offermans et al. (2011) Mixed .123 .255 -.377 .623 .482 .629

Shelton & Van den Bree et al. (2010) Mixed .473 .200 .081 .865 2.365 .018

Skoog et al. (2013) Female .333 .114 .110 .556 2.921 .003

Sontag et al. (2008) Female .473 .445 -.399 1.345 1.063 .288

Sontag et al. (2011) Female .361 .363 -.351 1.073 .994 .320

Stattin et al. (2011) Female .609 .276 .069 1.149 2.209 .027

Stice et al. (2001) Female .321 .195 -.061 .703 1.647 .100

Storvoll (2008) Mixed .310 .084 .146 .474 3.705 .000

Susman et al. (2007) Female .104 .202 -.293 .501 .514 .608

Susman et al. (2007) Male .387 .205 -.015 .789 1.888 .059

Taga et al. (2006) Male .130 .277 -.414 .674 .468 .639

Tanner-Smith (2010) Female .186 .389 -.576 .948 .479 .632

Toffol et al. (2014) Female -.005 .170 -.339 .329 -.029 .977

Tremblay & Frigon (2005) Female -.035 .371 -.763 .693 -.094 .925

Tschann et al. (1994) Mixed .242 .369 -.481 .965 .656 .512

Verhoef et al. (2014) Female .242 .457 -.654 1.138 .529 .597

White et al. (2013) Male .303 .339 -.362 .968 .893 .372

Wichstrom (2001) Female .266 .100 .07 .462 2.66 .008

Wichstrom (2001) Male .194 .084 .03 .358 2.319 .02

Wiesner (2002) Mixed .092 .167 -.236 .420 .550 .582

Zehr et al. (2007) Female .048 .300 -.540 .636 .160 .873

Zehr et al. (2007) Male -.015 .308 -.619 .589 -.049 .961

*Table S2. Effect Size Estimates for the Association between Early Pubertal Timing and Antisocial Behavior*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Bakker et al. (2010) Female .101 .063 -.023 .225 1.597 .110

Bakker et al. (2010) Male -.020 .228 -.467 .427 -.088 .930

Benoit et al. (2013) Female .171 .268 -.355 .697 .637 .524

Benoit et al. (2013) Male .012 .279 -.535 .559 .043 .966

Burt et al. (2006) Female .123 .100 -.073 .319 1.230 .219

Carter et al. (2011) Female .114 .182 -.242 .470 .628 .530

Copeland et al. (2010) Female .244 .126 .016 -.004 .492 .054

Ge et al. (2002) Female .181 .095 -.005 .367 1.908 .056

Ge et al. (2002) Male .201 .105 -.005 .407 1.916 .055

Ge et al. (2006) Female .123 .349 -.562 .808 .352 .725

Ge et al. (2006) Male .161 .130 -.095 .417 1.235 .217

Graber et al. (2004) Females .750 .210 .339 1.161 3.575 <.001

Graber et al. (2004) Male .053 .176 -.292 .398 .301 .763

Graber et al. (2006) Female .020 .202 -.377 .417 1.235 .921

Haynie (2003) Female .140 .084 -.024 .304 1.673 .094

Lynne et al. (2007) Mixed .089 .195 -.293 .471 .457 .648

Magnusson (1985) Female .510 .158 .200 .820 3.226 .001

Marceau et al. (2012) Female -.052 .114 -.275 .171 -.456 .648

Marceau et al. (2012) Male -.112 .012 -.327 .103 -1.022 .307

Marklein et al. (2009) Female .08 .122 -.160 .320 .653 .514

Mrug et al. (2008) Female .287 .141 .01 .564 2.029 .042

Negriff et al. (2011) Female -.004 .195 -.386 .378 -.021 .984

Negriff et al. (2011) Mixed .216 .126 -.032 .464 1.708 .088

Negriff & Trickett (2010) Mixed .195 .032 .133 .257 6.166 <.001

Sontag et al. (2011) Female .267 .032 .205 .329 8.443 <.001

Sontag et al. (2011) Male -.110 .042 -.512 .292 -.537 .591

Stattin et al. (2011) Female .494 .089 .319 .669 5.523 <.001

Susman et al. (2007) Female .022 .126 -.226 .270 .174 .862

Susman et al. (2007) Male .496 .126 .248 .744 3.921 <.001

Tremblay & Frigon (2005) Female -.035 .371 -.763 .693 -.094 .925

Vaughan et al. (2015) Female .100 .032 .038 .162 3.162 .002

*Table S3. Effect Size Estimates for the Association between Early Pubertal Timing and Substance Use*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Al-Sahab et al. (2012) Female .505 .385 -.249 1.259 1.313 .189

Costello et al. (2007) Female .646 .205 .244 1.048 3.152 .002

Costello et al. (2007) Male .051 .286 -.510 .612 .178 .859

Deardorff et al. (2005) Female .539 .077 .387 .691 6.958 <.001

Deppen et al. (2012) Female .152 .102 -.049 .353 1.483 .138

Foshee et al. (2007) Female .03 .344 -.643 .703 .087 .930

Foshee et al. (2007) Male .161 .339 -.504 .826 .475 .635

Gaudineau et al. (2010) Female .377 .105 .171 .583 3.595 <.001

Ge et al. (2006) Mixed .353 .071 .214 .492 4.992 <.001

Graber et al. (2004) Female .186 .126 -.062 .434 1.470 .141

Graber et al. (2004) Male -.058 .286 -.619 .503 -.203 .839

Jaszyna-Gaisor et al. (2000) Female .473 .249 -.015 .961 1.900 .057

Kaltiala-Heino et al. (2011) Female .839 .202 .442 1.236 4.144 <.001

Kaltiala-Heino et al. (2011) Male .725 .241 .253 1.197 3.010 .141

Lynne-Landsman et al. (2010) Mixed .330 .167 .002 .658 1.972 .049

Marklein et al. (2009) Female .127 .077 -.025 .279 1.640 .839

Martino & Lester (2013) Female .283 .161 -.033 .599 1.755 .079

Michaud et al. (2006) Female .117 .045 .029 .205 2.616 .009

Michaud et al. (2006) Male .305 .032 .243 .367 9.645 <.001

Schelleman-Offermans et al. (2011) Mixed .123 .063 -.001 .247 1.945 .052

Shelton & van den Bree et al. (2010) Mixed .473 .045 .385 .561 10.577 <.001

Skoog et al. (2013) Female .266 .071 .127 .405 3.762 <.001

Stice et al. (2001) Female .321 .195 -.061 .703 1.647 .100

Storvoll et al. (2008) Mixed .310 .084 .146 .474 3.705 <.001

Taga et al. (2006) Male .130 .277 -.414 .674 .468 .639

Toffol et al. (2014) Female -.005 .170 -.339 .329 -.029 .977

Tschann et al. (1994) Mixed .242 .138 -.028 .512 1.756 .079

Verhoef et al. (2014) Female .242 .210 -.169 .653 1.154 .249

Westling et al. (2008) Mixed .05 .295 -.528 .628 .170 .865

Wichstrom (2001) Female .266 .100 .07 .462 2.660 .008

Wichstrom (2001) Male .194 .084 .03 .358 2.319 .020

Wiesner & Ittel (2002) Mixed .092 .167 -.236 .420 .550 .582

Zehr et al. (2007) Female .048 .089 -.127 .223 .537 .592

Zehr et al. (2007) Male -.015 .095 -.201 .171 -.158 .874

*Table S4. Effect Size Estimates for the Association between Early Pubertal Timing and Risky Sexual Behavior*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Benoit et al. (2013) Female .060 .071 -.079 .199 .849 .396

Benoit et al. (2013) Male .262 .077 .110 .414 3.382 .001

Copeland et al. (2010) Female .409 .205 .007 .811 1.996 .046

Deardorff et al. (2005) Female .528 .071 .389 .667 7.467 <.001

Deppen et al. (2012) Female -.664 .257 -1.168 -.160 -2.585 .01

Gaudineau et al. (2010) Female .641 .184 .280 1.002 3.476 .001

Hamerlynck et al. (2007) Female .354 .195 -.028 .736 1.816 .069

Kim & Smith (2007) Female .645 .167 .317 .973 3.855 <.001

Kim & Smith (2007) Male .201 .110 -.014 .416 1.835 .067

Marceau et al. (2011) Female .346 .302 -.245 .937 1.147 .251

Marceau et al. (2011) Male .136 .134 -.127 .399 1.014 .311

Michaud et al. (2006) Female .363 .063 .239 .487 5.740 <.001

Michaud et al. (2006) Male .333 .071 .194 .472 4.709 <.001

Vaughan et al. (2015) Female .473 .045 .385 .561 10.577 <.001

*Table S5. Effect Size Estimates for the Association between Early Pubertal Timing and ADHD*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Ge et al. (2002) Female .262 .095 .076 .448 2.762 .006

Ge et al. (2002) Male .303 .105 .097 .509 2.889 .004

Ge et al. (2006) Female .260 .122 .020 .500 2.123 .034

Ge et al. (2006) Male .216 .130 -.040 .472 1.657 .098

Graber et al. (2006) Female .181 .042 -.221 .583 .883 .377

Susman et al. (2007) Female -.100 .277 -.644 .444 -.360 .719

Susman et al. (2007) Male -.494 .283 -1.048 .060 -1.747 .081

*Table S7. Effect Size Estimates for the Association between Early Pubertal Timing and Internalizing Problems*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Ackard & Petersen (2001) Female .100 .387 -.659 .859 .258 .796

Arim & Shapka (2008) Female .160 .224 -.280 .599 .712 .477

Arim & Shapka (2008) Male -.309 .304 -.905 .287 -1.016 .309

Baker et al. (2012) Female 1.883 .369 1.160 2.606 5.106 0.00

Benoit et al. (2013) Female .201 .072 .060 .342 2.792 .005

Benoit et al. (2013) Male .100 .079 -.055 .255 1.266 .206

Berger et al. (2009) Female .364 .316 -.256 .984 1.151 .250

Black & Klein (2012) Female .283 .059 .167 .399 4.797 .000

Blumenthal (2011) Female .768 .357 .068 1.468 2.151 .031

Blumenthal (2011) Male -.743 .385 -1.498 .012 -1.930 .054

Blumenthal (2011) Mixed .191 .212 -.225 .607 .901 .368

Carter et al. (2011) Female .097 .033 .032 .162 2.939 .003

Conley et al. (2012) Female .561 .240 .091 1.031 2.338 .019

Conley et al. (2012) Male -.345 .246 -.827 .137 -1.402 .161

Corcos et al. (2000) Female .476 .411 -.330 1.282 1.158 .247

Crockett et al. (2013) Female .215 .035 .146 .284 6.143 .000

Crockett et al. (2013) Male .000 .035 -.069 .069 0.00 1.00

De Guzman & Nishina (2014) Female .539 .237 .075 1.003 2.278 .023

De Guzman & Nishina (2014) Male .345 .235 -.115 .805 1.471 .141

El-Khouri & Mellner (2004) Female .311 .025 .262 .360 12.440 .000

Fairburn et al. (1997) Female .887 .481 -.055 1.829 1.846 .065

Fairburn et al. (1999) Female .053 .456 -.841 .947 .116 .907

Gargari et al. (2011) Female .330 .182 -.026 .686 1.817 .069

Gaudineau et al. (2010) Female .434 .374 -.299 1.167 1.160 .246

Ge et al. (2001) Female .144 .101 -.054 .342 1.462 .154

Ge et al. (2006) Female .217 .122 -.022 .456 1.779 .075

Ge et al. (2006) Male .344 .05 .246 .442 6.880 0.00

Graber et al. (1995) Female .561 .202 .165 .957 2.77 .005

Graber et al. (2004) Female .527 .442 -.338 1.392 1.193 .233

Graber & Brooks-Gunn (2001) Female -.096 .597 -1.265 1.073 -.161 .872

Graber et al. (2006) Female .561 .211 .147 .975 2.659 .008

Graber et al. (2014) Female .337 .108 .125 .549 3.120 .002

Graber et al. (2014) Male .371 .199 -.019 .761 1.864 .062

Hamilton (2014) Mixed -.303 .114 -.526 .08 -2.658 .008

Hamlat (2014) Male .04 .448 -.839 .919 .089 .929

Hamlat (2014) Female -.101 .079 -.256 .054 -1.278 .201

Hamlat (2014) Mixed -.207 .055 -.315 -.099 -3.764 .000

Haynie (2003) Female -.08 .164 -.402 .242 -.487 .626

Jin (2008) Mixed .299 .126 .052 .546 2.373 .018

Johansson & Ritzen (2005) Female .06 .349 -.625 .745 .172 .864

Joinson et al. (2013) Female .333 .113 .112 .564 2.947 .003

Kaltiala-Heino et al. (2001) Female .314 .329 -.330 .958 .955 .339

Kaltiala-Heino et al. (2001) Male -.029 .303 -.623 .565 -.096 .924

Kaltiala-Heino et al. (2003) Female .382 .077 .231 .533 4.961 .000

Kaltiala-Heino et al. (2003) Male .354 .066 .225 .483 5.364 .000

Kalusaki et al. (2014) Female .197 .239 -.271 .665 .825 .409

Keenan et al. (2014) Female .899 .046 .809 .989 19.543 .000

Keski-Rahkonen et al. (2005) Female .211 .259 -.296 .718 .815 .415

Keski-Rahkonen et al. (2005) Male .204 .279 -.343 .751 .730 .465

Lam (2004) Mixed .061 .053 -.043 .165 1.151 .250

Mangweth-Matzek et al. (2007) Female .207 .451 -.676 1.09 .459 .646

Marceau et al. (2011) Female .04 .014 .013 .067 2.857 .004

Marceau et al. (2011) Male .208 .029 .151 .265 7.127 .000

Marceau et al. (2012) Male -.024 .091 -202 .154 -.264 .792

Marceau et al. (2012) Female .045 .089 -.129 .219 .506 .613

Martino & Lester (2013) Female -.408 .404 -1.199 .383 -1.011 .312

McCabe & Ricciardelli (2004) Female .244 .126 -.004 .492 1.929 .054

McCabe & Ricciardelli (2004) Male .084 .126 -.164 .332 .664 .507

McNicholas et al. (2012) Mixed .221 .118 -.011 .453 1.868 .062

Michaud et al. (2006) Female .158 .038 .084 .232 4.158 0.00

Michaud et al. (2006) Male .518 .241 .046 .990 2.151 0.031

Nadeem (2005) Mixed .166 .026 .115 .217 6.385 .000

Natsuaki (2009) Mixed .387 .140 .113 .661 2.764 .006

Negriff (2008) Mixed .04 .078 -.113 .193 .513 .608

Negriff et al. (2011) Female -.156 .030 -.215 -.097 -5.20 .000

Nicholls & Viner (2009) Female -.123 .394 -.895 .649 -.312 .755

Oinonen & Bird (2012) Female .291 .221 -.143 .725 1.315 .189

Reynolds & Juvonen (2011) Female .335 .056 .225 .445 5.982 .000

Reichborn-Kjennerud et al. (2004) Female .144 .187 -.223 .511 .770 .441

Rudolph & Troop-Gordon (2010) Female .289 .066 .160 .418 4.379 .000

Rudolph & Troop-Gordon (2010) Male .066 .066 -.063 .195 1.000 .317

Siegel et al. (1999) Female .404 .122 .165 .643 3.311 .001

Siegel et al. (1999) Male .063 .12 -.172 .298 .525 .600

Sontag et al. (2008) Female .324 .195 -.058 .706 1.662 .097

Sontag et al. (2011) Female .335 .151 .039 .631 2.219 .027

Stice et al. (2001) Female .137 .308 -.467 .741 .444 .657

Stojkovic (2012) Female .374 .342 -.296 1.044 1.093 .274

Stojkovic (2012) Male .389 .344 -.284 1.062 1.132 .257

Stroud & Davila (2008) Female .104 .267 -.419 .627 .390 .697

Striegel-Moore et al. (2001) Female .152 .122 -.088 .392 1.241 .215

Swarr & Richards (1996) Male .232 .329 -.142 .876 .706 .480

Tenconi et al. (2006) Female .539 .447 -.338 1.416 1.205 .228

Teunissen et al. (2011) Female .242 .113 .021 .463 2.142 .032

Teunissen et al. (2011) Male .04 .117 -.189 .269 .342 .732

Toffol et al. (2014) Female .072 .007 .058 .086 10.286 0.000

Tremblay & Frigon (2005) Female .466 .137 .197 .735 3.401 .001

Tschann (1994) Mixed .242 .136 -.025 .509 1.79 .075

Weingarden & Renshaw (2012) Female .170 .011 .148 .192 15.455 .000

White et al. (2012) Female .324 .110 .108 .540 2.945 .003

Wiesner (2012) Mixed .090 .086 -.079 .259 1.047 .295

Williams & Curie (2000) Female .132 .281 -.419 .683 .470 .639

Zehr (2007) Mixed .131 .013 .118 .144 2.415 .016

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*Table S8. Effect Size Estimates for the Association between Early Pubertal Timing and Distress Dimensions*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Ackard & Petersen (2001) Female -.112 .15 -.871 .647 -.289 .772

Benoit et al. (2013) Female .201 .072 -.325 .727 .749 .454

Benoit et al. (2013) Male .100 .079 -.451 .651 .356 .722

Black & Klein (2012) Female .283 .059 -.193 .759 1.165 .244

Blumenthal et al. (2011) Mixed .094 .066 -.41 .598 .366 .714

Carter et al. (2011) Female .097 .033 -.259 .453 .534 .593

Conley et al. (2012) Female .561 .240 -.399 1.521 1.145 .252

Conley et al. (2012) Male -.345 .246 -1.317 .627 -.696 .487

Crockett et al. (2013) Male .02 .008 -.155 .195 .224 .823

El-Khouri & Mellner (2004) Female .311 .025 -1.317 .627 -.696 .487

Ge et al. (2001) Female .208 .015 -.032 .448 1.698 .089

Ge et al. (2006) Female .217 .015 -.023 .457 1.772 .076

Ge et al. (2006) Male .334 .17 -.474 1.142 .810 .418

Graber et al. (1995) Female .606 .061 .122 1.09 2.454 .014

Graber et al. (2004) Female .382 .017 .126 .638 2.93 .003

Graber et al. (2004) Male .483 .096 -.124 1.09 1.559 .119

Graber et al. (2006) Female .561 .211 -.339 1.461 1.221 .222

Graber & Brooks-Gunn (2001) Female .457 .356 -.712 1.626 .766 .444

Hamilton et al. (2014) Mixed -.303 .013 -.526 -.08 -2.657 .008

Hamlet et al. (2014) Female .242 .034 -.119 .603 1.312 .189

Hamlat et al. (2014) Male .12 .041 -.277 .517 .593 .553

Hamlat et al. (2014) Mixed .033 .027 -.289 .355 .201 .841

Haynie (2003) Female -.080 .027 -.402 .242 -.487 .626

Joinson et al. (2013) Female .333 .113 -.326 .992 .991 .322

Kaltiala-Heino et al. (2003) Female .382 .077 -.162 .926 1.377 .169

Kaltiala-Heino et al. (2003) Male .354 .066 -.15 .858 1.378 .168

Lam et al. (2004) Mixed .061 .003 -.046 .168 1.114 .265

Lien et al. (2010) Female .505 .016 .257 .753 3.992 <.001

Marceau et al. (2012) Female -.034 .013 -.257 .189 -.298 .766

Marceau et al. (2012) Male -.014 .012 -.229 .201 -.128 .898

Martino & Lester (2013) Female -.04 .160 -.824 .744 -.100 .920

Michaud et al. (2006) Female .158 .038 -.224 .540 .811 .418

Michaud et al. (2006) Male .546 .058 .074 1.018 2.267 .023

Nadeem & Graham (2005) Mixed .166 .026 -.150 .482 1.029 .303

Negriff et al. (2011) Female -.156 .03 -.495 .183 -.901 .368

Reynolds & Juvonen (2011) Female .335 .056 -.129 .799 1.416 .157

Rudolph & Troop-Gordon (2010) Female .289 .066 -.215 .793 1.125 .261

Rudolph & Troop-Gordon (2010) Male .066 .067 -.438 .570 .257 .797

Siegel et al. (1999) Female .404 .122 -.281 1.089 1.157 .247

Siegel et al. (1999) Male .063 .12 -.616 .742 .182 .856

Sontag et al. (2008) Female .324 .195 -.541 1.189 .734 .463

Sontag et al. (2011) Female .335 .151 -.427 1.097 .862 .389

Sontag et al. (2011) Male -.345 .043 -.751 .061 -1.664 .096

Stice et al. (2001) Female .302 .077 -.242 .846 1.088 .276

Stroud & Davila (2008) Female .104 .267 -.909 1.117 .201 .840

Teunissen et al. (2011) Female .242 .113 -.417 .901 .720 .472

Teunissen et al. (2011) Male .04 .117 -.63 .710 .117 .907

Toffol et al. (2014) Female .067 .001 .005 .129 2.119 .034

Tremblay & Frigon (2005) Female .466 .137 -.259 1.191 1.259 .208

Tschann et al. (1994) Mixed .242 .019 -.028 .512 1.756 .079

Vaughan et al. (2015) Female .12 .001 .058 .182 3.795 <.001

Weingarden & Renshaw (2012) Female .17 .004 .047 .295 2.704 .007

White et al. (2012) Female .324 .110 -.326 .974 .977 .329

Wiesner & Ittel (2002) Mixed .06 .011 -.146 .266 .572 .567

*Table S9. Effect Size Estimates for the Association between Early Pubertal Timing and Fear Dimensions*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Blumenthal et al. (2011) Female .768 .597 -.403 1.939 1.285 .199

Blumenthal et al. (2011) Male -.743 .385 -1.497 .011 -1.931 .053

Ge et al. (2001) Female .08 .122 -.16 .320 .653 .514

Ge et al. (2006) Male .363 .13 .107 .619 2.784 .005

Graber et al. (2006) Female .473 .210 .062 .884 2.255 .024

Hamlat et al. (2014) Female -.201 .184 -.562 .160 -1.09 .276

Hamlat et al. (2014) Male -.08 .200 -.472 .312 -.400 .689

Hamlat et al. (2014) Mixed .283 .195 -.099 .665 1.452 .147

Weingarden & Renshaw (2012) Female .166 .045 .078 .254 3.712 <.001

Zehr et al. (2007) Mixed .128 .23 -.323 .579 .556 .578

*Table S10. Effect Size Estimates for the Association between Early Pubertal Timing and Eating Pathology.*

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Ackard & Peterson (2001) Female .307 .212 -.109 .723 1.447 .148

Baker et al. (2012a) Female 1.883 .369 1.160 2.606 5.106 0.00

Berger et al. (2009) Female .364 .316 -.256 .984 1.151 .250

Corcos et al. (2000) Female .476 .411 -.330 1.282 1.158 .247

De Guzman & Nishina (2014) Female .539 .237 .075 1.003 2.278 .023

De Guzman & Nishina (2014) Male .345 .235 -.115 .805 1.471 .141

Fairburn et al. (1997) Female .887 .481 -.055 1.829 1.846 .065

Fairburn et al. (1999) Female .053 .456 -.841 .947 .116 .907

Gaudineau et al. (2010) Female .434 .374 -.299 1.167 1.160 .246

Gargari et al. (2011) Female .330 .182 -.026 .686 1.817 .069

Graber et al. (2004) Female .527 .442 -.338 1.392 1.193 .233

Graber & Brooks-Gunn (2001) Female -.553 .523 -1.579 .473 -1.056 .291

Hamlat et al. (2014) Male -.04 .448 -.919 .839 -.089 .929

Haynie (2003) Female -.08 .164 -.402 .242 -.487 .626

Johansson & Ritzen (2005) Female .06 .349 -.625 .745 .172 .864

Kaltiala-Heino et al. (2001) Female .314 .329 -.330 .958 .955 .339

Kaltiala-Heino et al. (2001) Male -.029 .303 -.623 .565 -.096 .924

Kalusaki et al. (2014) Female .197 .239 -.271 .665 .825 .409

Keski-Rahkonen et al. (2005) Female .211 .259 -.296 .718 .815 .415

Keski-Rahkonen et al. (2005) Male .204 .279 -.343 .751 .730 .465

Lam et al. (2004) Mixed .000 .23 -.451 .451 0.00 1.000

Mangweth-Matzek et al. (2007) Female .207 .451 -.676 1.09 .459 .646

Martino & Lester (2013) Female -.408 .404 -1.199 .383 -1.011 .312

McCabe & Ricciardelli (2004) Female .244 .126 -.004 .492 1.929 .054

McCabe & Ricciardelli (2004) Male .084 .126 -.164 .332 .664 .507

McNicholas et al. (2012) Mixed .221 .118 -.011 .453 1.868 .062

Michaud et al. (2006) Male .242 .19 -.130 .614 1.275 .202

Nicholls & Viner (2009) Female -.123 .394 -.895 .649 -.312 .755

Oinonen & Bird (2012) Female .291 .221 -.143 .725 1.315 .189

Reichborn-Kjennerud et al. (2004) Female .144 .187 -.223 .511 .770 .441

Siegel et al. (1999) Female .317 .205 -.085 .719 1.547 .122

Siegel et al. (1999) Male .069 .200 -.323 .461 .345 .730

Stice et al. (2001) Female .137 .308 -.467 .741 .444 .657

Stojkovic (2012) Female .374 .342 -.296 1.044 1.093 .274

Stojkovic (2012) Male .389 .344 -.284 1.062 1.132 .257

Striegel-Moore et al. (2001) Female .152 .122 -.088 .392 1.241 .215

Swarr & Richards (1996) Male .232 .329 -.142 .876 .706 .480

Tenconi et al. (2006) Female .539 .447 -.338 1.416 1.205 .228

Williams & Curie (2000) Female .132 .281 -.419 .683 .470 .639

Zehr et al. (2007) Mixed .131 .114 -.092 .354 1.149 .251

Table S11. Effect Size Estimates for the Association between Late Pubertal Timing and Psychopathology.

*First Author (Year) Sex Cohen’s d SE Lower Limit Upper Limit Z-Value P-Value*

Ackard & Peterson (2001) Female -.007 .015 -.036 .022 -.467 .641

Baker et al. (2012) Female .048 .182 -.309 .405 .264 .792

Berger et al. (2009) Female .325 .073 .182 .468 4.452 .000

Blumenthal et al. (2011) Female .275 .316 -.344 .894 .870 .384

Blumenthal et al. (2011) Male -.398 .381 -1.145 .349 -1.045 .296

Blumenthal et al. (2011) Mixed -.075 .081 -.234 .084 -.926 .354

Burt et al. (2006) Female -.089 .102 -.289 .111 -.873 .383

De Guzman & Nishina (2014) Female .561 .056 .451 .671 10.018 .000

De Guzman & Nishina (2014) Male .140 .054 .034 .246 2.593 .010

Deppen et al. (2012) Female -.180 .073 -.323 -.037 -2.466 .014

Ge et al. (2001) Male -.132 .162 -.450 .186 -.815 .415

Ge et al. (2006) Female -.144 .019 -.181 -.107 -7.579 .000

Ge et al. (2006) Male -.182 .022 -.225 -.139 -8.273 .000

Graber et al. (2004) Female .07 .05 -.028 .168 1.400 .162

Graber et al. (2004) Male .192 .06 .074 .310 3.2 .001

Lam et al. (2004) Mixed -.037 .041 -.117 .043 -.920 .367

McCabe & Ricciardelli (2004) Female -.027 .017 -.06 .006 -1.588 .112

McCabe & Ricciardelli (2004) Male .064 .019 .027 .101 3.368 .001

McNicholas et al. (2012) Mixed .112 .014 .085 .139 8.000 .000

Nadeem & Graham (2005) Mixed .001 .013 -.024 .026 .077 .939

Negriff et al. (2011) Female .074 .014 .047 .101 5.286 0.00

Schellman-Offermans et al. (2011) Mixed -.221 .084 -.386 -.056 -2.631 .009

Stojkovic (2012) Female .375 .158 .065 .685 2.373 .018

Stojkovic (2012) Male .05 .157 -.258 .358 .318 .750

Storvoll et al. (2008) Mixed .093 .007 .079 .107 13.286 0.00

Striegel-Moore et al. (2001) Female .201 .058 .087 .315 3.466 .001

Stroud & Davila (2008) Female -.353 .278 -.898 .192 -1.270 .204

Tanner-Smith (2010) Female -.393 .133 -.654 -.132 -2.955 .003

Tremblay & Frigon (2005) Female -.117 .054 -.223 -.011 -2.167 .030

Weingarden & Renshaw (2012) Female .033 .011 .011 .055 3.00 .003

*Table S12. Effect size estimates for the association between early pubertal timing and psychopathology in clinical samples*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First Author (Year) | Psychopathology | Sex | Cohen’s d | SE | Lower Limit | Upper Limit | Z-Value | P-Value |
| Burt et al. (2006) | Conduct Disorder | Female | .12 | .31 | -.07 | .32 | 1.24 | .21 |
| Conley et al. (2012) | Depression on the Children’s Depression Inventory | Female | .56 | .49 | .09 | 1.03 | 2.34 | .02 |
| Conley et al. (2012) | Depression on the Children’s Depression Inventory | Male | -.35 | .50 | -.83 | .14 | -1.40 | .16 |
| Copeland et al (2010) | Antisocial Behavior and Substance Use | Female | .39 | .22 | .29 | .48 | 7.90 | <.001 |
| Corcos et al. (2000) | Bulimia Nervosa | Female | .48 | .41 | .15 | .81 | 2.82 | <.01 |
| Costello et al. (2007) | Alcohol Use Disorder | Female | .63 | .33 | .41 | .85 | 5.69 | <.001 |
| Costello et al. (2007) | Alcohol Use Disorder | Male | .05 | .29 | -.11 | .21 | .62 | .53 |
| Fairburn et al. (1999) | Anorexia Nervosa | Female | .05 | .46 | -.36 | .46 | .26 | .80 |
| Fairburn et al. (1997) | Bulimia Nervosa | Female | .89 | .48 | .43 | 1.34 | 3.84 | <.001 |
| Ge et al. (2002) | Conduct Disorder, Oppositional Defiant Disorder, Attention- Deficit/Hyperactivity Disorder on the Diagnostic Interview for Children Fourth Edition | Female | .20 | .16 | .15 | .25 | 7.73 | <.001 |
| Ge et al. (2002) | Conduct Disorder, Oppositional Defiant Disorder, Attention- Deficit/Hyperactivity Disorder on the Diagnostic Interview Schedule for Children Fourth Edition | Male | .23 | .17 | .17 | .28 | 8.11 | <.001 |
| Ge et al. (2006) | Substance Use on the Diagnostic Interview Schedule for Children Fourth Edition | Female | .20 | .31 | .19 | .20 | 19.0 | <.001 |
| Ge et al. (2006) | Substance Use on the Diagnostic Interview Schedule for Children Fourth Edition | Male | .18 | .23 | .07 | .29 | 3.32 | <.01 |
| Graber et al. (2004) | Major Depression and Anxiety Disorders on the Schedule for Affective Disorders and Schizophrenia for School-Age Children | Female | .32 | .44 | -.06 | .70 | 1.64 | .10 |
| Graber et al. (2004) | Major Depression and Anxiety Disorders on the Schedule for Affective Disorders and Schizophrenia for School-Age Children | Male | .37 | .45 | -.02 | .76 | 1.86 | .06 |
| Graber et al. (2004) | Substance Use Disorder and Disruptive Behavior Disorder on the Schedule for Affective Disorders and Schizophrenia for School-Age Children | Female | .47 | .37 | .20 | .74 | 3.42 | <.01 |
| Graber et al. (2004) | Substance Use Disorder and Disruptive Behavior Disorder on the Schedule for Affective Disorders and Schizophrenia for School-Age Children | Male | -.003 | .43 | -.37 | .37 | -.02 | .99 |
| Hamerlynck et al (2007) | Risky Sexual Behavior; Conduct Disorder | Female | .35 | .50 | -.03 | .74 | 1.82 | .07 |
| Jaszyna-Gasior et al. (2000) | Smoking; Substance Use Disorder | Female | .47 | .50 | -.02 | .96 | 1.9 | .06 |
| Jin et al. (2008) | DSM-IV symptom counts of Generalized Anxiety Disorder, Separation Anxiety Disorder, Major Depressive Disorder, and Dysthymic Disorder were classified as having an “Internalizing Disorder” | Mixed | .29 | .35 | .05 | .55 | 2.37 | .02 |
| Mangweth-Matzek et al. (2007) | Anorexia Nervosa and Bulimia Nervosa | Female | .21 | .45 | -.19 | .61 | 1.02 | .31 |
| Marklein et al. (2009) | Alcohol Use Disorder and Substance Use Disorder | Female | .12 | .18 | .05 | .18 | 3.41 | <.01 |
| Natsuaki et al. (2009) | DSM-IV symptom counts of Generalized Anxiety Disorder and Major Depression | Mixed | .39 | .37 | .11 | .66 | 2.76 | <.01 |
| Nicholls & Viner (2009) | Anorexia Nervosa | Female | -.12 | .39 | -.43 | .18 | -.79 | .43 |
| Rudolph & Troop-Gordon (2010) | Depression on the Children’s Depression Inventory and the Youth and parent-report on the Schedule for Affective Disorders and Schizophrenia for School-Age Children-Epidemiological Version 5 | Female | .29 | .26 | .16 | .42 | 4.38 | <.001 |
| Rudolph & Troop-Gordon (2010) | Depression on the Children’s Depression Inventory and the Youth and parent-report on the Schedule for Affective Disorders and Schizophrenia for School-Age Children-Epidemiological Version 5 | Male | .07 | .26 | -.06 | .20 | 1.00 | .32 |
| Stroud & Davila (2008) | Depression symptoms on the Schedule for Affective Disorders and Schizophrenia for school-age children | Female | .10 | .52 | -.42 | .63 | .39 | .70 |
| Susman et al. (2007) | Attention problems, Conduct Disorder, Oppositional Defiant Disorder on the Diagnostic Interview Schedule for Children- Fourth Edition | Female | .10 | .20 | .02 | .18 | 2.54 | .01 |
| Susman et al. (2007) | Attention problems, Conduct Disorder, Oppositional Defiant Disorder on the Diagnostic Interview Schedule for Children- Fourth Edition | Male | .39 | .20 | .31 | .47 | 9.21 | <.001 |
| Tenconi et al. (2006) | Binge Eating in Anorexia Nervosa patients | Female | .54 | .45 | .15 | .93 | 2.70 | .01 |
| White et al (2012) | Depression symptoms on the Diagnostic Interview Schedule for Children | Female | .32 | .33 | .11 | .54 | 2.95 | <.01 |
| White et al. (2013) | Internalizing symptoms on the Diagnostic Interview Schedule for Children-Fourth Edition | Male | .28 | .34 | .08 | .53 | 2.64 | <.01 |
| White et al. (2013) | Externalizing symptoms; Alcohol Use Disorder | Male | .30 | .34 | .06 | .51 | 2.46 | <.05 |