

# FASD Prevalence & Cost Calculator

Case Population Structure for

**Annual Cohort** number of live births per year (no commas)

**Total population** in your area (no commas)

The calculator is set at 2.0 cases of FAS and 8.0 cases of ARND per 1000 live births. To set your own rates of FASD, click in the box and enter your desired value.

**FAS Rate per 1000 live births or total population:**

**ARND Rate per 1000 live births or total population:**

## RESULTS:

### Annual Cohort

Total FAS (Per Year)

Total ARND (Per Year)

Total FASD (Per Year)

### Cases in Total Population (Birth - 50 Years)

Total FAS in Area

Total ARND in Area

Total FASD Cases

### Children Birth-18 Years of Age

FAS

ARND

Total FASD

### Adults 19 and older

FAS

ARND

Total FASD

### Mortality in Annual Cohort

FAS

ARND

Total FASD

Years Potential Life Lost (YPLL)

Maternal Mortality (In 24 Months after Delivery)

### Intellectual Disability (Cases) in Total Population

FAS

ARND

Total FASD

### Congenital Heart Defects (Cases) in Total Population

FAS

ARND

Total FASD

### Epilepsy (Cases) in Total Population

FAS

ARND

Total FASD

## Attention Deficit-Hyperactivity Disorder (Cases) in Children

FAS	225
ARND	909
Total FASD	1134

## Speech and Language Disorders (Cases) in Children

FAS	356
ARND	1436
Total FASD	1792

## Sensorineural Hearing Loss (Cases) in Children

FAS	261
ARND	1053
Total FASD	1314

## Cerebral Palsy (Cases) in Children

FAS	27
ARND	109
Total FASD	136

## Autism Spectrum Disorder (Cases) in Children

FAS	9
ARND	36
Total FASD	45

## Learning Disabilities (children)

FAS	90
ARND	364
Total FASD	454

## Depression in children

FAS	91
ARND	369
Total FASD	460

## Anxiety Disorder in children

FAS	98
ARND	394
Total FASD	492

## Post Traumatic Stress Disorder in children

FAS	75
ARND	303
Total FASD	378

## Oppositional Defiant Disorder in children

FAS	73
ARND	296
Total FASD	369

## Conduct Disorder in children and adolescents

FAS	29
ARND	118
Total FASD	147

## Reactive Attachment Disorder in children

FAS	21
ARND	85
Total FASD	106

**Bipolar Disorder in children**

FAS	107
ARND	434
Total FASD	541

**Visual Impairment in children**

FAS	279
ARND	1125
Total FASD	1404

**Service System Data and Projected Service Use****Foster Care Placements in Children (Birth - 18 Years of Age)**

FAS	360
ARND	1454
Total FASD	1814
Years Foster Care	4535

**Mental Illness (Cases) in Total Population**

FAS	875
ARND	3535
Total FASD	4410
Years Service Mental Health System (Annual Cohort)	3780

**Additional Service Data (For Annual Cohort)**

Years Special Education (FASD)	315
Disability Adjusted Life Years (DALY)	4032
Years Service Developmental Disabilities	1700
Years Service Juvenile Justice System	100

## FASD Cost Calculations

Annual Costs for Special Education and Juvenile Justice (children age 5-18)	\$3810240
FASD - Total Annual Costs	\$17235540
FASD - Cost Per Day	\$36781
FASD - Five Year Costs	\$67126500

## FASD Diagnostic Capacity for Maine

Number of cases requiring evaluation per week  
(using 50 weeks per year)

### Annual Cohort

FAS	0.5
ARND	2.02
Total FASD	2.52

### Children (Birth - 18)

FAS	9
ARND	36.36
Total FASD	45.36

### Total Population

FAS	25
ARND	101
Total FASD	126

## Co-Occuring Disorders and Attributable Risk from FASD

### Mortality in Annual Cohort (Birth - 18)

Total FASD	1198
FASD Attributable Proportion	1030.28

### Intellectual Disability (Cases) in Total Population

Total FASD	1198
FASD Attributable Proportion	12

### Congenital Heart Defects (Cases) in Total Population

Total FASD	157
FASD Attributable Proportion	2

### Epilepsy (Cases) in Total Population

Total FASD	157
FASD Attributable Proportion	2

### Attention Deficit-Hyperactivity Disorder (Cases) in Children

Total FASD	1134
FASD Attributable Proportion	488

### Speech and Language Disorders (Cases) in Children

Total FASD	1792
FASD Attributable Proportion	1165

### Sensorineural Hearing Loss (Cases) in Children

Total FASD	1314
FASD Attributable Proportion	0

**Cerebral Palsy (Cases) in Children**

Total FASD	136
FASD Attributable Proportion	0

**Autism Spectrum Disorder (Cases) in Children**

Total FASD	45
FASD Attributable Proportion	0

**Learning Disabilities (children)**

Total FASD	454
FASD Attributable Proportion	45

**Depression in children**

Total FASD	460
FASD Attributable Proportion	63

**Anxiety Disorder in children**

Total FASD	492
FASD Attributable Proportion	35

**Post Traumatic Stress Disorder in children**

Total FASD	378
FASD Attributable Proportion	8

**Oppositional Defiant Disorder in children**

Total FASD	369
FASD Attributable Proportion	48

**Conduct Disorder in children and adolescents**

Total FASD	147
FASD Attributable Proportion	3

**Reactive Attachment Disorder in children**

Total FASD	106
FASD Attributable Proportion	4

**Bipolar Disorder in children**

Total FASD	541
FASD Attributable Proportion	32

**Visual Impairment in children**

Total FASD	1404
FASD Attributable Proportion	842

Questions? Send them to [larry.burd@med.und.edu](mailto:larry.burd@med.und.edu) (mailto:larry.burd@med.und.edu).