



# TFM Investment Model



## How to interpret this information pack

**Page 2** presents a snapshot of information for the **Western New South Wales** FACS district coming out of TFM's Investment model.

The information is disaggregated by three groups of vulnerable children and young people born in the **Western New South Wales**:

- Young children aged 0 to 5
- Children aged under 15 and affected by mental illness
- Children and young people aged 15 to 18 and affected by mental illness.

The final column on page 2 presents the proportion of the vulnerable children in each group who have experienced each of five indicators strongly associated with poorer outcomes in later life.

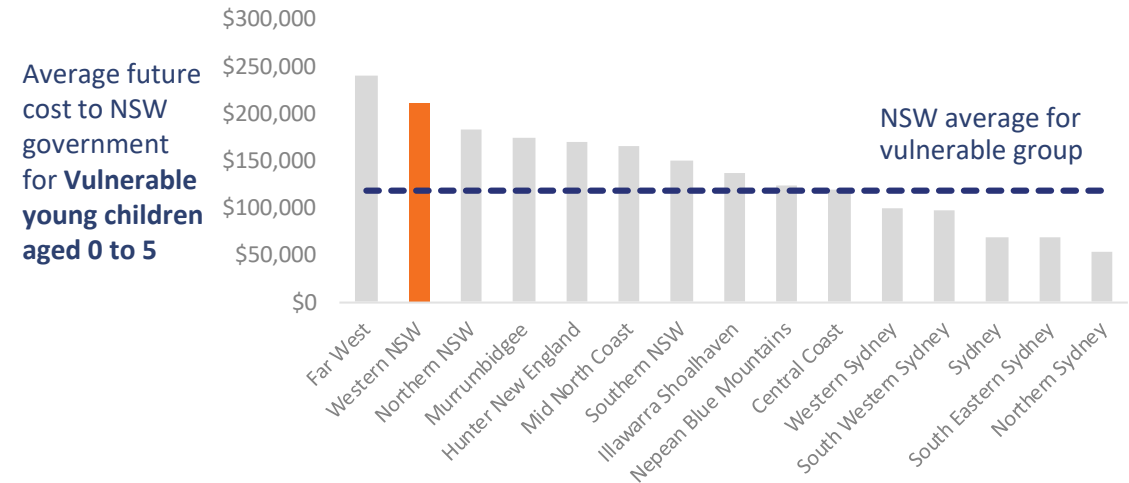
**Page 3** presents the projected outcomes for **Western New South Wales** children and young people in each vulnerable group, by the number of indicators they have experienced which are associated with poorer outcomes later in life. The projected outcomes are compared against the average across all NSW children and young people in the same age bracket and expressed as a multiplier (e.g. 1.5x).

Page 3 also presents outcomes for all children and young people classed as vulnerable in **Western New South Wales** – shaded in blue.

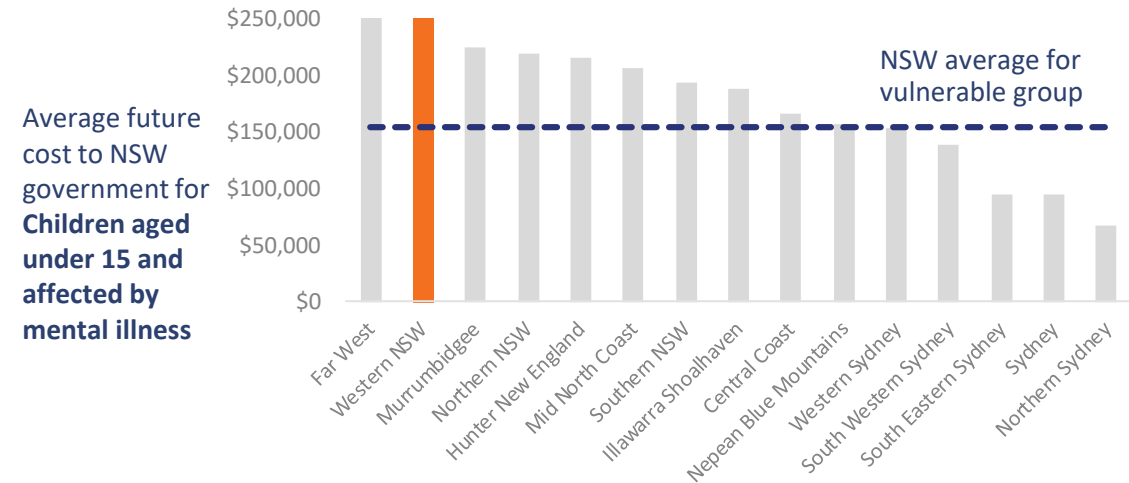
These indicators differ depending on the vulnerable group, however the **consistent finding is that the more vulnerable indicators a child has experience with, the more they are expected to interact with the criminal justice system, social housing, child protection and mental health services.**

**Page 4** looks at vulnerable groups in the LGA/s of the **Western New South Wales**. It shows, for each vulnerable group: the number of children and young people in the relevant age bracket, the number in the vulnerable group, the proportion (%) of children and young people classed as vulnerable, and the proportion (%) of children and young people in the vulnerable group who identify as Aboriginal.

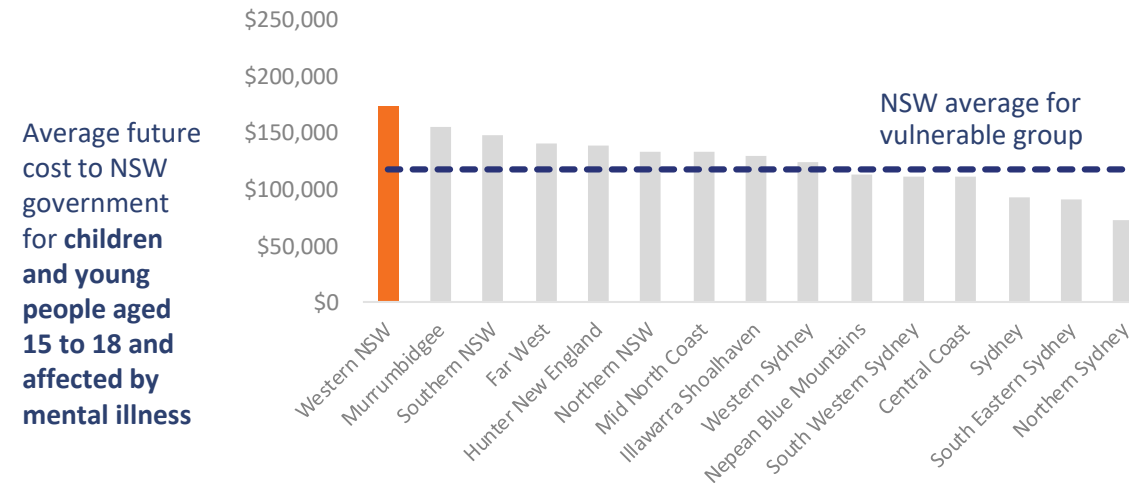
## Key findings for the **Western New South Wales** FACS District



- Key insights for vulnerable young children aged 0 to 5 in **Western New South Wales****
- **2<sup>nd</sup> highest out of 15** in estimated future cost to NSW government.
  - **41%** of children aged 0 to 5 belong to this vulnerable group (2<sup>nd</sup> highest out of 15 FACS districts).
  - Western NSW has relatively poor projected future outcomes across most of the domains , e.g. 16% of the vulnerable group are expected to become a young mother in the future compared to 9% for the NSW average for this group.



- Key insights for children aged under 15 and affected by mental illness in **Western New South Wales****
- **2<sup>nd</sup> highest out of 15** in estimated future cost to NSW government
  - **19%** of children aged under 15 belong to this vulnerable group (2<sup>nd</sup> highest out of 15 FACS districts).
  - Western NSW has relatively poor projected future outcomes across most of the domains, e.g. 18% of the vulnerable group are expected to become a young mother in the future compared to 11% for the NSW average for this group.



- Key insights for children and young people aged 15 to 18 and affected by mental health in **Western New South Wales****
- **The highest out of 15** in estimated future cost to NSW government
  - **24%** of children and young people aged 15 to 18 belong to this vulnerable group (2<sup>nd</sup> highest out of 15 FACS districts).
  - Western NSW has relatively poor projected future outcomes across most of the domains, e.g. 32% of the vulnerable group are expected to interact with the justice system in the future compared to 25% for the NSW average for this group.



# Vulnerable groups by FACS District: Western New South Wales



Their Futures Matter is focusing on **three vulnerable groups** in NSW

We look at these groups of vulnerable children and young people born in the FACS District of **Western New South Wales**

We have identified, for each vulnerable group, **five indicators** associated with these children having high service usage and poorer outcomes later in life

## Young children (0 to 5)



Children aged 5 or younger at 30 June 2017 with one or more of the following:

- 1 or more parental risk factors
- 2 or more perinatal risk factors
- Assessment as ROSH+

There are **8,596** children in Western New South Wales in the vulnerable young children group.

That's about

**1 in 2**



Western New South Wales children aged 0 to 5.

On average, these children are estimated to **cost the NSW govt \$213k** for the key human services they use up to age 40



This is **3.6x** the average cost for all NSW children aged 0-5

### Indicators for young children (0-5)

Proportion of vulnerable group with indicator

Parents have interacted with justice system	43%
Mother smoked during pregnancy	43%
Child had concern report	31%
Mother aged 21 and under at childbirth	26%
Parents have been in social housing	18%

## Children aged under 15 and affected by mental illness



Children under 15 years at 30 June 2017 with one or more of the following:

- Use of NSW mental health services (hospital or ambulatory)
- Parental use of NSW mental health services (hospital or ambulatory)

There are **8,097** children in Western New South Wales in the children aged under 15 and affected by mental illness group.

That's about

**1 in 5**



Western New South Wales children aged under 15.

On average, these children are estimated to **cost the NSW govt \$258k** for the key human services they use up to age 40



This is **4.6x** the average cost for all NSW children aged under 15

### Indicators for mental health: children and young adolescents under 15

Proportion of vulnerable group with indicator

Child had concern report	46%
Mother smoked during pregnancy	43%
Parents have interacted with justice system	41%
Mother aged 21 and under at childbirth	27%
Parents have been in social housing	27%

## Children and young people aged 15 to 18 and affected by mental illness



Children and young people (C/YP) between 15 and 18 years at 30 June 2017 with one or more of the following:

- Use of NSW mental health services (hospital or ambulatory)
- Parental use of NSW mental health services (hospital or ambulatory)

There are **3,038** C/YP in Western New South Wales in the C/YP aged 15 to 18 and affected by mental illness group.

That's about

**1 in 4**



Western New South Wales C/YP aged 15 to 18.

On average, these C/YP are estimated to **cost the NSW govt \$174k** for the key human services they use up to age 40



This is **4.4x** the average cost for all NSW C/YP aged 15-18

### Indicators for mental health: C/YP (15 to 18)

Proportion of vulnerable group with indicator

NAPLAN Year 7 band less than 6	57%
Had concern report in the last three years	39%
Hospital admission in last three years	29%
Parents have been in social housing	33%
Has appeared in court	9%



# Vulnerable groups by FACS District:

## Western New South Wales



### Vulnerable young children aged 0 to 5

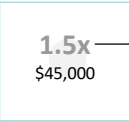
### Children under 15 and affected by mental illness

### Children and young people aged 15 to 18 affected by mental illness

Projected outcomes

	Number of indicators* associated with poorer outcomes						Number of indicators* associated with poorer outcomes						Number of indicators* associated with poorer outcomes					
						All vulnerable						All vulnerable						All vulnerable
	0	1	2	3	4 or 5		0	1	2	3	4 or 5		0	1	2	3	4 or 5	
Number of children and young people in district	2,120	2,342	1,925	1,347	861	8,596	1,906	1,824	1,657	1,465	1,246	8,097	668	828	734	481	326	3,038
	10%	11%	9%	6%	4%	41%	4%	4%	4%	3%	3%	19%	5%	6%	6%	4%	3%	24%
% Who identify as Aboriginal	13%	33%	51%	69%	78%	42%	14%	28%	49%	65%	74%	43%	13%	23%	42%	61%	76%	37%
Estimated future cost to NSW govt	0.8x \$49,436	1.8x \$106,079	3.4x \$202,040	6.8x \$403,182	10.6x \$632,544	\$212,927	0.9x \$52,766	2.0x \$109,075	4.1x \$230,195	7.7x \$427,899	11.3x \$627,298	\$258,011	0.7x \$28,878	1.6x \$64,061	3.3x \$131,725	7.1x \$283,435	17.0x \$679,525	\$173,556
% Expected to have a ROSH report in future	1.1x 19%	2.1x 38%	3.0x 53%	4.4x 76%	5.1x 90%	48%	1.3x 19%	2.5x 37%	3.8x 56%	5.1x 75%	5.8x 85%	51%	0.7x 2%	2.4x 6%	5.1x 13%	9.7x 25%	11.7x 30%	12%
% Expected to interact with the justice system	1.0x 14%	1.6x 22%	2.4x 33%	3.6x 50%	4.5x 62%	31%	1.1x 16%	1.7x 25%	2.7x 37%	3.7x 52%	4.5x 63%	36%	1.0x 13%	1.5x 19%	2.6x 32%	3.9x 50%	6.0x 75%	32%
% of males expected to enter custody	0.7x 3%	2.2x 9%	4.5x 18%	8.0x 32%	11.4x 46%	17%	1.0x 4%	2.3x 10%	5.1x 21%	8.4x 35%	11.4x 48%	21%	0.8x 3%	1.7x 7%	3.8x 15%	8.6x 33%	17.1x 66%	19%
% Expected to use NSW mental health services	1.0x 19%	1.5x 28%	2.0x 38%	2.8x 53%	3.4x 64%	36%	1.5x 27%	1.9x 35%	2.5x 45%	3.2x 58%	3.6x 66%	44%	1.8x 24%	2.6x 34%	3.3x 42%	4.1x 53%	5.0x 65%	40%
% Expected to complete the HSC in NSW	1.0x 65%	0.7x 48%	0.5x 35%	0.3x 22%	0.2x 16%	42%	1.0x 65%	0.7x 49%	0.5x 35%	0.4x 24%	0.3x 17%	41%	1.1x 69%	0.9x 53%	0.5x 32%	0.3x 20%	0.2x 10%	42%
% Expected to use social housing as adults	0.7x 2%	2.0x 5%	4.6x 12%	7.9x 20%	10.6x 27%	10%	0.6x 2%	1.6x 4%	4.9x 13%	7.8x 21%	9.9x 27%	12%	0.3x 1%	1.3x 4%	3.7x 12%	7.4x 24%	10.7x 35%	12%
% of females expected to become young mothers	1.1x 5%	2.1x 10%	3.6x 17%	6.2x 29%	8.6x 40%	16%	1.2x 6%	2.0x 10%	3.6x 17%	5.9x 29%	8.2x 40%	18%	1.0x 5%	1.6x 8%	3.5x 16%	5.6x 26%	7.8x 36%	15%

\*The specific risk indicators for each vulnerable group are defined on page 2.



The multipliers shown in this table compare the projected outcome to the NSW average for all children in the age group (i.e. vulnerable and non-vulnerable children).





# Vulnerable groups by FACS District:

## Western NSW – by Local Government Area/s



### Vulnerable young children aged 0 -5

### Children under 15 and affected by mental illness

### Children and young people aged 15 to 18 affected by mental illness

	Number of C/YP aged under 5 in LGA	Number of vulnerable C/YP aged under 5 in LGA	Proportion (%) of vulnerable C/YP aged under 5 in LGA	Proportion (%) who identify as Aboriginal	Number of C/YP aged under 15 in LGA	Number of C/YP aged under 15 affected by mental illness in LGA	Proportion (%) of C/YP aged under 15 affected by mental illness in LGA	Proportion (%) who identify as Aboriginal	Number of C/YP aged 15-18 in LGA	Number of C/YP aged 15-18 affected by mental illness in LGA	Proportion (%) of C/YP aged 15-18 affected by mental illness in LGA	Proportion (%) who identify as Aboriginal
Bathurst Regional	2,862	1,022	36%	30%	5,944	1,054	18%	27%	1,957	415	21%	21%
Blayney	492	146	30%	31%	1,078	137	13%	30%	326	74	23%	27%
Bogan	226	93	41%	47%	432	105	24%	52%	136	37	27%	70%
Bourke	297	165	56%	89%	628	148	24%	83%	137	49	36%	80%
Brewarrina *	106	84	79%	NA	231	56	24%	89%	58	26	45%	NA
Cabonne	1,047	402	38%	21%	2,173	331	15%	25%	661	139	21%	25%
Cobar	380	151	40%	42%	721	162	22%	43%	198	57	29%	54%
Coonamble	342	203	59%	85%	693	147	21%	90%	229	48	21%	90%
Cowra	715	322	45%	31%	1,609	364	23%	35%	538	149	28%	28%
Forbes	756	315	42%	49%	1,415	273	19%	49%	480	98	20%	42%
Gilgandra	230	139	60%	72%	551	144	26%	61%	204	68	33%	47%
Lachlan**	462	182	39%	61%	1,081	194	18%	62%	321	72	22%	51%
Mid-Western Regional	1,670	571	34%	25%	3,522	715	20%	23%	1,039	274	26%	19%
Narromine	590	261	44%	62%	1,117	219	20%	75%	330	95	29%	60%
Oberon	330	126	38%	21%	670	118	18%	25%	254	44	17%	16%
Orange	3,603	1,502	42%	24%	6,798	1,388	20%	29%	1,862	466	25%	26%
Parkes	1,066	444	42%	42%	2,231	440	20%	46%	745	158	21%	35%
Walgett	537	275	51%	78%	1,117	176	16%	84%	298	84	28%	71%
Warren	226	95	42%	56%	415	86	21%	57%	113	35	31%	46%
Warrumbungle Shire	586	227	39%	41%	1,297	249	19%	45%	413	77	19%	42%
Weddin *	188	47	25%	NA	444	37	8%	16%	103	30	29%	NA
Western Plains Regional	4,234	1,826	43%	54%	8,186	1,554	19%	57%	2,448	544	22%	49%

\* Some cells have been set to NA to minimise the risk of re-identification. These cells either have a count of less than 5 people or have the lowest number of people in the FACS District in the remaining LGAs.

\*\* Lachlan also belongs to Murrumbidgee FACS district.