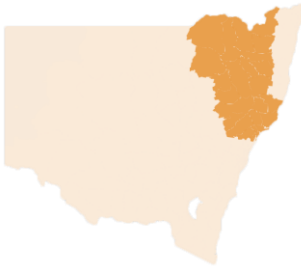




# TFM Investment Model



## How to interpret this information pack

### Page 2

Page 2 presents a snapshot of information for the **Hunter New England** 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 **Hunter New England** :

- 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

Page 3 presents the projected outcomes for **Hunter New England** 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).

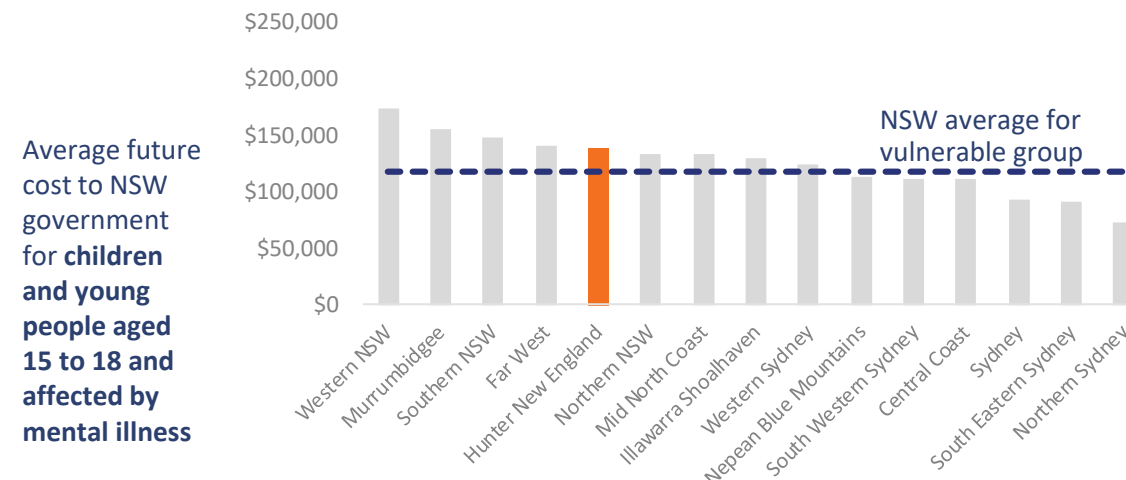
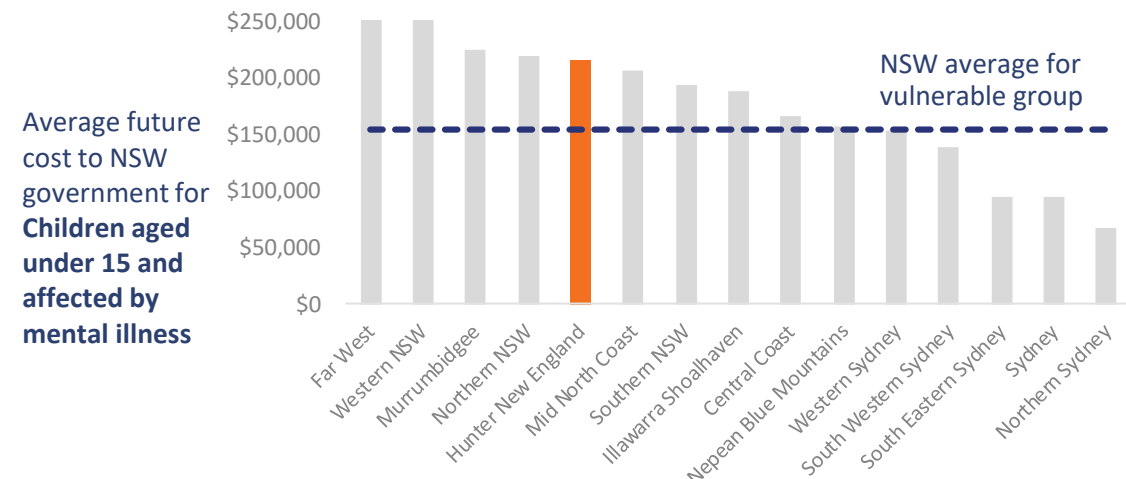
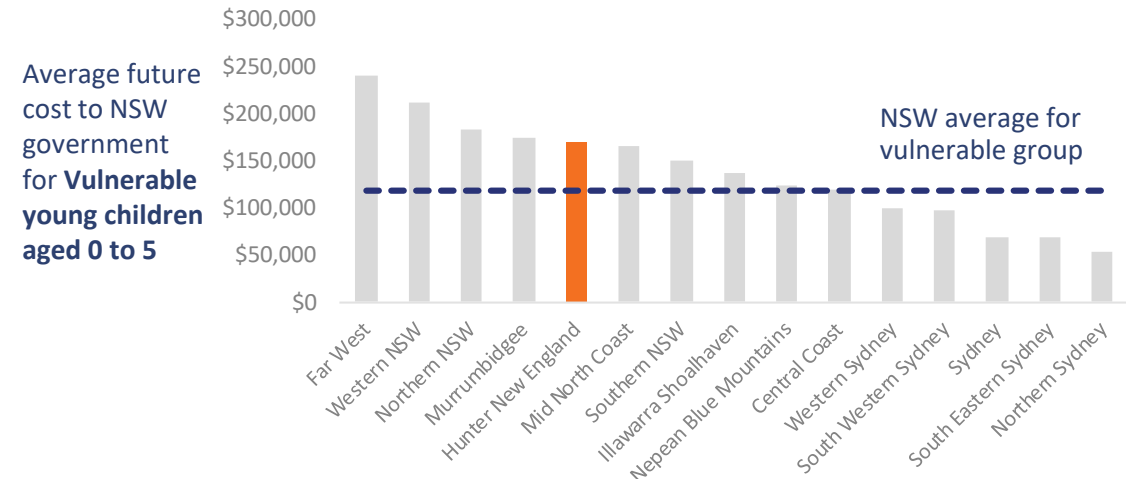
Page 3 also presents outcomes for all children and young people classed as vulnerable in **Hunter New England** – shaded in blue.

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

Page 4 looks at vulnerable groups in the LGA/s of the **Hunter New England** . 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 Hunter New England FACS District



### Key insights for vulnerable young children aged 0 to 5 in Hunter New England

- **5<sup>th</sup> highest out of 15** in estimated future cost to NSW government.
- **34%** of children aged 0 to 5 belong to this vulnerable group (7<sup>th</sup> highest out of 15 FACS districts).
- Projected outcomes for the vulnerable group are worse than the NSW average for this group, e.g. 44% of the vulnerable group are expected to have a ROSH report in the future compared to the NSW average of 34% for this group.

### Key insights for children aged under 15 and affected by mental illness in Hunter New England

- **5<sup>th</sup> highest out of 15** in estimated future cost to NSW government
- **16%** of children aged under 15 belong to this vulnerable group (3<sup>rd</sup> highest out of 15 FACS districts).
- Projected outcomes for the vulnerable group are worse than the NSW average for this group, e.g. 46% of the vulnerable group are expected to complete the HSC in NSW compared to the NSW average of 53% for this group.

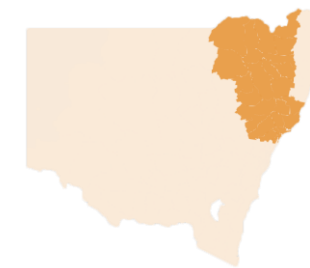
### Key insights for children and young people aged 15 to 18 and affected by mental health in Hunter New England

- **5<sup>th</sup> highest out of 15** in estimated future cost to NSW government
- **20%** of children and young people aged 15 to 18 belong to this vulnerable group (5<sup>th</sup> highest out of 15 FACS districts).
- Projected outcomes for the vulnerable group are slightly worse than the NSW average for this group, e.g. 28% of the vulnerable group are expected to interact with the justice system in the future compared to the NSW average of 25% for this group.



# Vulnerable groups by FACS District:

## Hunter New England



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 **Hunter New England**

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 **20,751** children in Hunter New England in the vulnerable young children group.

That's about

**1 in 3**



Hunter New England children aged 0 to 5.

On average, these children are estimated to **cost the NSW govt \$170k** for the key human services they use up to age 40



This is **2.9x** 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	<b>38%</b>
Mother smoked during pregnancy	<b>35%</b>
Child had concern report	<b>32%</b>
Mother aged 21 and under at childbirth	<b>22%</b>
Parents have been in social housing	<b>12%</b>

### 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 **20,320** children in Hunter New England in the children aged under 15 and affected by mental illness group.

That's about

**1 in 6**



Hunter New England children aged under 15.

On average, these children are estimated to **cost the NSW govt \$216k** for the key human services they use up to age 40



This is **3.9x** 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	<b>46%</b>
Mother smoked during pregnancy	<b>38%</b>
Parents have interacted with justice system	<b>35%</b>
Mother aged 21 and under at childbirth	<b>23%</b>
Parents have been in social housing	<b>19%</b>

### 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 **7,538** C/YP in Hunter New England in the C/YP aged 15 to 18 and affected by mental illness group.

That's about

**1 in 5**



Hunter New England C/YP aged 15 to 18.

On average, these C/YP are estimated to **cost the NSW govt \$138k** for the key human services they use up to age 40



This is **3.5x** the average cost for all NSW C/YP aged 15-18

Indicators for mental health: C/YP (15-18)	Proportion of vulnerable group with indicator
NAPLAN Year 7 band less than 6	<b>52%</b>
Had concern report in the last three years	<b>38%</b>
Hospital admission in last three years	<b>30%</b>
Family have been in social housing	<b>25%</b>
Has appeared in court	<b>7%</b>



# Vulnerable groups by FACS District: Hunter New England



## 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

Number of indicators\* associated  
with poorer outcomes

Number of indicators\* associated  
with poorer outcomes

Number of indicators\* associated  
with poorer outcomes

Projected outcomes

	0	1	2	3	4 or 5	All vulnerable	0	1	2	3	4 or 5	All vulnerable	0	1	2	3	4 or 5	All vulnerable
Number of children and young people in district	6,522	5,663	4,377	2,765	1,425	20,751	5,664	4,787	4,269	3,260	2,340	20,320	1,677	2,414	1,814	1,137	495	7,538
	11%	9%	7%	5%	2%	34%	5%	4%	3%	3%	2%	16%	4%	6%	5%	3%	1%	20%
% Who identify as Aboriginal	8%	23%	37%	51%	63%	28%	10%	20%	35%	47%	61%	29%	10%	17%	27%	44%	61%	25%
Estimated future cost to NSW govt	0.8x \$46,891	1.6x \$93,434	3.3x \$198,491	6.0x \$358,889	9.8x \$583,540	\$169,977	0.9x \$49,063	1.9x \$105,400	4.1x \$228,543	6.8x \$380,742	10.6x \$592,326	\$215,811	0.7x \$27,761	1.4x \$56,785	3.4x \$134,844	6.8x \$271,000	15.5x \$617,681	\$138,282
% Expected to have a ROSH report in future	1.0x 17%	2.1x 38%	3.3x 57%	4.3x 75%	5.1x 89%	44%	1.2x 18%	2.7x 39%	3.9x 57%	5.0x 73%	5.8x 85%	48%	0.7x 2%	2.3x 6%	5.3x 14%	9.3x 24%	10.8x 28%	11%
% Expected to interact with the justice system	1.0x 14%	1.6x 22%	2.4x 33%	3.2x 44%	4.1x 57%	27%	1.1x 15%	1.8x 25%	2.6x 36%	3.4x 47%	4.3x 60%	32%	0.9x 11%	1.5x 19%	2.5x 31%	3.8x 48%	5.8x 73%	28%
% of males expected to enter custody	0.8x 3%	1.8x 7%	3.8x 15%	6.4x 26%	9.8x 40%	12%	0.9x 4%	2.3x 10%	4.3x 18%	7.0x 29%	10.6x 44%	17%	0.7x 3%	1.6x 6%	4.0x 16%	8.7x 34%	15.6x 60%	16%
% Expected to use NSW mental health services	1.0x 19%	1.4x 27%	2.0x 38%	2.6x 50%	3.3x 61%	32%	1.5x 27%	2.0x 37%	2.5x 46%	3.1x 56%	3.6x 65%	42%	1.7x 22%	2.6x 34%	3.3x 43%	4.1x 53%	4.9x 64%	38%
% Expected to complete the HSC in NSW	1.0x 69%	0.8x 51%	0.5x 36%	0.4x 26%	0.3x 18%	48%	1.0x 68%	0.8x 52%	0.6x 37%	0.4x 27%	0.3x 19%	46%	1.1x 70%	0.8x 51%	0.5x 34%	0.3x 21%	0.2x 11%	44%
% Expected to use social housing as adults	0.6x 1%	1.7x 4%	4.3x 11%	7.2x 18%	10.1x 26%	8%	0.6x 2%	1.7x 5%	4.4x 12%	7.2x 19%	9.7x 26%	10%	0.3x 1%	1.2x 4%	3.6x 12%	7.3x 23%	10.9x 35%	10%
% of females expected to become young mothers	0.7x 3%	1.7x 8%	3.4x 16%	5.3x 25%	7.8x 36%	12%	0.9x 4%	1.6x 8%	3.3x 16%	5.2x 25%	7.6x 37%	15%	0.9x 4%	1.6x 7%	3.1x 14%	5.3x 25%	7.4x 35%	13%

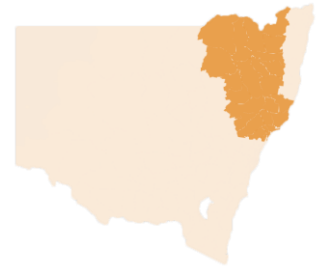
\*The specific risk indicators for each vulnerable group are defined on page 2.

1.5x  
\$45,000

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: Hunter New England – 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
Armidale Regional	1,827	619	34%	44%	3,823	680	18%	42%	1,106	258	23%	32%
Cessnock	4,242	1,772	42%	24%	8,760	1,664	19%	27%	2,657	562	21%	20%
Dungog	548	169	31%	19%	1,402	205	15%	17%	443	71	16%	11%
Glen Innes Severn	554	242	44%	27%	1,125	204	18%	32%	383	85	22%	39%
Gunnedah	1,078	350	32%	49%	2,152	259	12%	49%	547	102	19%	55%
Gwydir	334	104	31%	39%	708	89	13%	25%	190	26	14%	31%
Inverell	1,264	484	38%	40%	2,589	399	15%	37%	785	126	16%	24%
Lake Macquarie	13,181	4,077	31%	18%	26,436	3,983	15%	22%	8,517	1,692	20%	19%
Liverpool Plains	465	168	36%	43%	1,108	129	12%	43%	324	56	17%	46%
Maitland	5,906	1,975	33%	22%	11,917	2,094	18%	23%	3,795	735	19%	22%
Mid-Coast	4,880	2,171	44%	33%	11,315	2,379	21%	31%	3,868	871	23%	25%
Moree Plains	1,073	468	44%	62%	2,000	335	17%	65%	505	127	25%	57%
Muswellbrook	1,481	571	39%	34%	2,915	480	16%	36%	805	150	19%	31%
Narrabri	1,087	444	41%	49%	2,391	424	18%	46%	644	143	22%	52%
Newcastle	10,616	2,833	27%	17%	19,721	2,824	14%	23%	5,683	1,039	18%	22%
Port Stephens	4,064	1,389	34%	24%	9,164	1,559	17%	24%	2,918	541	19%	21%
Singleton	1,805	571	32%	23%	3,584	458	13%	29%	1,028	176	17%	20%
Tamworth Regional	4,646	1,893	41%	43%	9,726	1,690	17%	46%	2,709	578	21%	33%
Tenterfield	89	48	54%	48%	364	54	15%	37%	175	30	17%	40%
Upper Hunter Shire	959	216	23%	23%	2,114	246	12%	24%	655	95	15%	33%
Uralla	370	117	32%	25%	772	115	15%	36%	250	50	20%	28%
Walcha	236	70	30%	26%	446	51	11%	39%	118	24	20%	38%