

National Asthma and Chronic Obstructive Pulmonary Disease Audit Programme (NACAP)

Wales primary care clinical audit 2021

(asthma and COPD data extracted
from 314 general practices in
Wales to capture activity up
to 31 July 2021)

Interactive maps

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In association with:



Commissioned by:



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Please read

About this report

1. Scope and data collection

The interactive maps present improvement priority results from an analysis of asthma and chronic obstructive pulmonary disease (COPD) primary care data in Wales from the third round of the Welsh primary care audit component of the NACAP. Data were obtained from 314 (80%; 57% in 2020) general practices in Wales in October 2021 to capture activity between 1 April 2020 and 31 July 2021.

2. Report structure

These interactive maps present Wales primary care audit 2021 improvement priority results at individual cluster level. They should be used in conjunction with the Wales primary care audit 2021 clinical audit report and local health board reports which can be found at www.rcp.ac.uk/pc2021.

Practice and patient-focused recommendations from the audit are given to ensure that:

- > practices in Wales know **what** is expected of them,
- > people with asthma and/or COPD know **what** to expect when they are treated for their asthma/ COPD, and
- > both practice staff and patients know **how** they can support improvements in care.

Each set of maps will enable the user to select a specific Wales local health board (LHB) which will then direct them to individual cluster maps for that LHB. Instructions on how to use and navigate the maps can be found on [page 6](#) of this report. Due to data protection and disclosure control regulations:

- a) maps on the following improvement priority topics are not available: diagnosing COPD in adults, diagnosing asthma in children and young people, and checking exposure to second-hand smoke in children and young people
- b) a high level of suppression was applied to MRC grade 3–5 referrals to PR (improvement priority 4). This report therefore uses all MRC grade referral data for adults with COPD in order to provide a general indication of referral rates for PR. Because of this the improvement target for referral to PR has not been reiterated on the PR mapping pages as it has with the others
- c) cluster areas greyed out do not have results for that area of care and will not be included in the charts.

Participating practices can view individualised practice-level results via the Data Health and Care Wales (DHCW) [Primary Care Information Portal](#) from autumn 2022. These reports include national, health board and cluster results to support practices in improving the quality of patient care.

The links which accompany practice improvement priorities ([page 5](#)) take the reader to NACAP specific quality improvement (QI) project videos.

3. Data interpretation

In total, 80.7% of Welsh practices participated in the 2021 audit. However, we advise caution when reviewing the 2021 results and making assumptions about the quality of care provided nationally. This is because the audit period was impacted significantly by the COVID-19 pandemic. Full data and interpretation caveats can be found in the data analysis and methodology report available at: www.rcp.ac.uk/pc2021.

4. Audience and links to guidelines and standards

These maps are intended to be used by primary care healthcare professionals, NHS managers, local health boards and policy makers, as well as voluntary organisations and people with asthma and COPD. Separate information will be produced for patients, carers and the public and made available in autumn 2022 at: www.rcp.ac.uk/pc2021.



Patient-focused recommendations: what can people with asthma and/or COPD do to help make their care better?

The following patient-focused recommendations aim to help people with asthma and/or COPD understand what to expect when they visit their primary care service for their asthma and/or COPD and know what they can do to make their care better. We also hope having practice ([page 5](#)) and patient recommendations side by side will help join up clinical and patient thinking, informed discussions and decision making.

If you have asthma and/or COPD the following are important to know. You should:

Diagnosis

COPD only

Know your diagnosis was CONFIRMED with a breathing test called spirometry

Asthma only

Have had your diagnosis EXPLAINED to you after at LEAST TWO tests*

Inhalers

Asthma and COPD

- > Know WHY you are taking your medicine/inhalers
- > Know HOW to take your inhalers

Smoking cessation and exposure to second-hand smoke

Asthma only

If you or your carer, family and/or household members smoke, know WHERE to get support to stop

Personalised asthma action plan (PAAP)

Asthma only

- > Know what 'NORMAL' means to you and WHEN to seek help if you have worsening asthma symptoms
- > Know WHAT to do if you are having an asthma attack

Pulmonary rehabilitation (PR)

COPD only

UNDERSTAND the importance of keeping active and if/how PR would benefit you

An accompanying resource for patients will be made available in autumn 2022/winter 2023 at www.rcp.ac.uk/pc2021. Younger children (6–10 years old), as well as their carers, should refer to and use the 2020 audit postcard which provides information and questions to raise with local doctors/nurses on asthma care. This can be accessed at www.rcp.ac.uk/pc2020.

*includes spirometry, peak flow (>1 reading or evidence of peak flow diary) or fractional exhaled nitric oxide (FeNO)



Practice recommendations: improvement priorities

Links are provided to QI project videos for each improvement priority.

In order to start making small steps towards improvement, primary care practices in Wales should:

1 Diagnosing COPD: Record quality assured post-bronchodilator spirometry ratio <0.7 for people on the COPD register by April 2023. Ensure they have an accurate record in their notes, including a spirometry trace, correct ratio and appropriate SNOMED code.

National target for Wales: 40% or more of people on the COPD register

[COPD diagnosis video](#)

2 Diagnosing asthma: Evidence and code appropriately objective variability for people diagnosed with asthma as demonstrated by at least one of the following by April 2023:

- > Spirometric evidence of a significant FEV1 response to a short-acting beta-2 agonist (SABA) or after a trial of treatment with inhaled corticosteroids (ICS) (increase of 12% or more + 200 mL response to beta-2 agonist or ICS).
- > Oral corticosteroids (OCS) or prescription for ICS using medication codes in conjunction with significant reversibility

- > Evidence of significantly variable peak expiratory flow rate (PEFR) ($>20\%$ variability after \geq twice daily for 2–4 weeks)
- > Positive fractional exhaled nitric oxide (FeNO) result.

National target for Wales: 80% or more of people with asthma

[Asthma diagnosis video](#)

3 Exposure to second-hand smoke: Ask parents about second-hand smoke exposure and provide very brief advice (VBA) at their child's asthma review. Evidence with the appropriate SNOMED code in the child's notes by April 2023.

National target for Wales: 20% or more of parents who have children and/or young people with asthma

[Second-hand smoke exposure video](#)

4 Referral to pulmonary rehabilitation: Refer people with COPD and a Medical Research Council (MRC) breathlessness score 3–5 to pulmonary rehabilitation (PR) and evidence this with the appropriate SNOMED code in their notes by April 2023.

National target for Wales: 70% or more of people with COPD

[Pulmonary rehabilitation video](#)

5 Providing personal asthma action plans: Provide people with asthma with a personalised asthma action plan (PAAP) and evidence this with the appropriate SNOMED code in their notes by April 2023.

National target for Wales: 50% or more of people with asthma

[Personalised asthma action plan video](#)

6 Evidencing inhaler technique checks: Evidence an inhaler technique check in the last year for people with asthma and/or COPD with the appropriate SNOMED code in their notes by April 2023.

National target for Wales: 70% or more of people with asthma and/or COPD

[Inhaler technique video](#)



Interactive maps

How to use the maps

1 On this page, select the local health board (LHB) area you are interested in viewing by selecting the LHB name

2 Once selected, you will be taken to maps presenting individual cluster area results for within that LHB. Cluster level maps cover most audit improvement priorities and are presented in the following order:

- > Diagnosing asthma in adults
- > Referral to pulmonary rehabilitation for adults with COPD
- > Personalised asthma action plans (PAAPs) for adults and children and young people with asthma
- > Inhaler technique checks for adults with COPD/asthma and children and young people with asthma

3 Cluster areas on the maps are **numbered and colour** scaled so you can easily identify the corresponding result in the accompanying chart on the left hand side of the page. **The chart also provides the name of**

the cluster and the percentage attainment for that improvement priority.

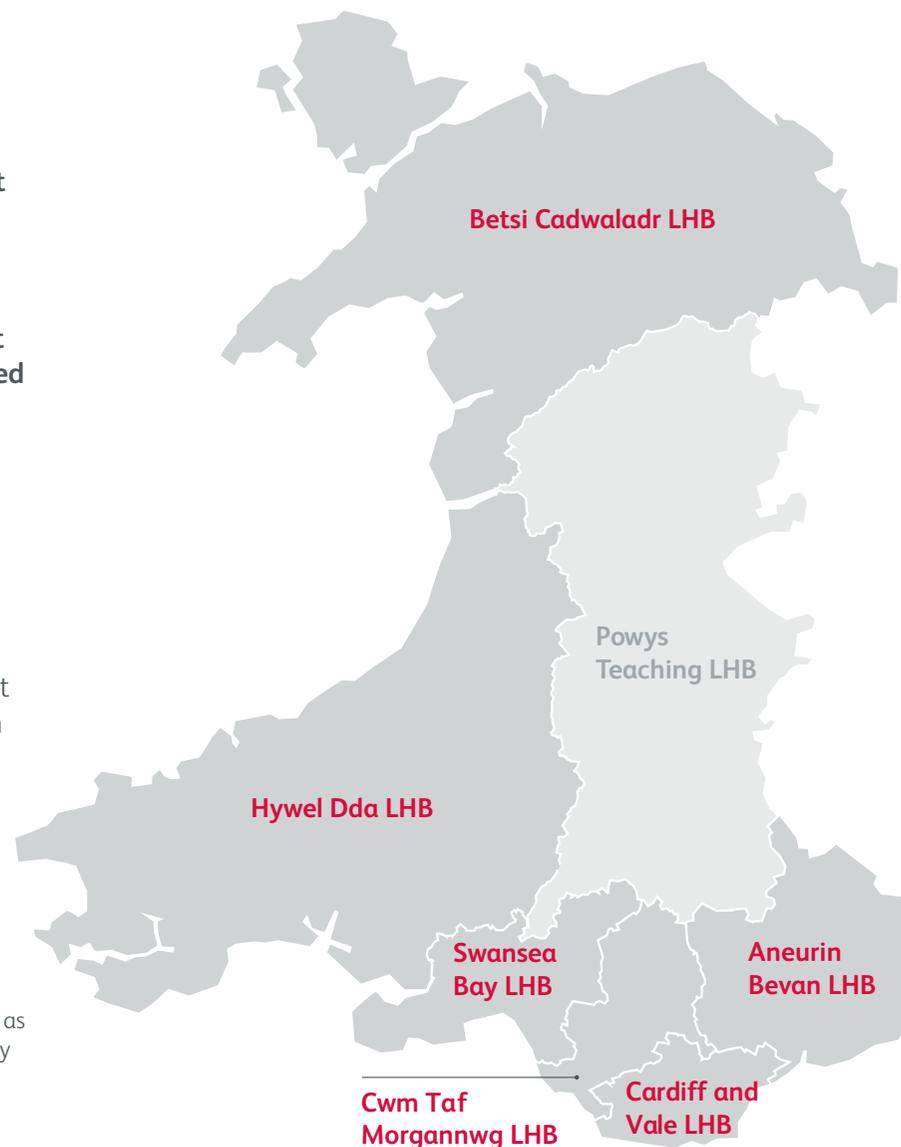
4 Where clusters in the chart do not belong to the LHB selected, bars on the chart will be grey, but they are still numbered and named to facilitate shared learning and QI activities across cluster and LHB areas.

5 In the bottom right hand corner of each page, there are quick links to take you directly to the other cluster maps for that LHB.

6 To return to the all Wales map, select the 'Back to Wales LHB map' option at the bottom of the page.

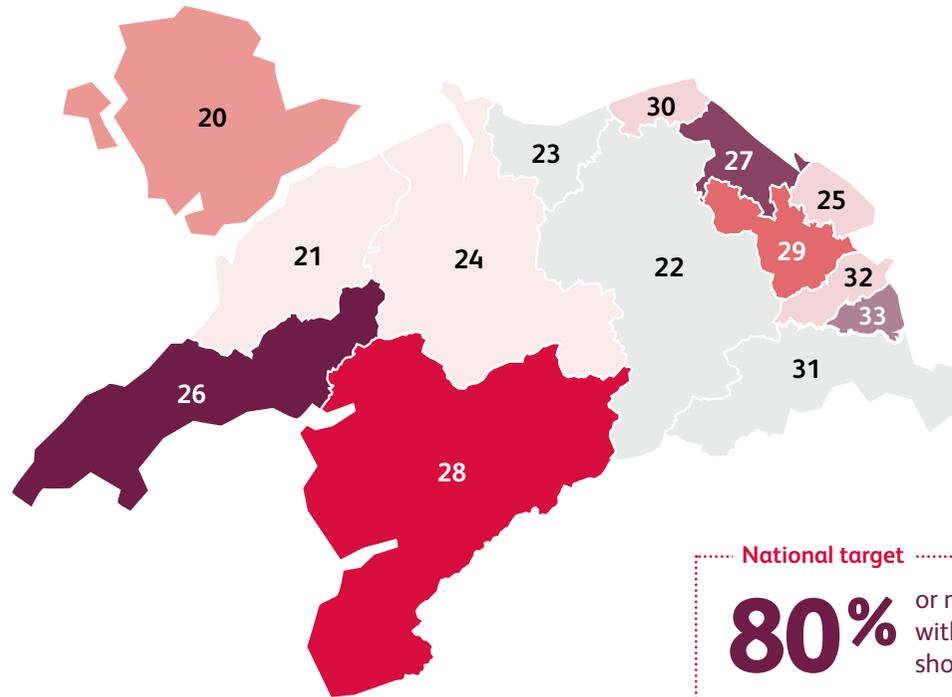
Please note

- > Data is not available for Powys Teaching LHB due to having fewer than 10 practices participate in the audit, and
- > In the [national and LHB reports](#) for the 2021 audit Bridgend East, North and West cluster areas are presented under Swansea Bay LHB as opposed to Cwm Taf Morgannwg LHB as they have been for this report.



Diagnosing asthma in adults

11	Caerphilly East	20.7%
53	North Ceredigion	26.0%
16	Newport East and North	27.2%
21	Arfon	27.5%
40	Central Vale	31.1%
5	Llchwyr	32.0%
24	Conwy West	36.0%
39	Cardiff West	37.6%
32	North & West Wrexham	37.7%
30	North Denbighshire	38.1%
25	North East Flintshire	38.7%
49	Taf Ely	39.1%
47	Merthyr Tydfil	39.2%
48	Rhondda	39.7%
20	Anglesey	39.7%
35	Cardiff South East	41.1%
14	Monmouthshire North	41.2%
4	Cwmtawe	41.4%
43	Bridgend East Network	42.6%
37	Cardiff North	42.8%
38	Cardiff South West	42.9%
56	South Pembrokeshire	44.3%
29	South Flintshire	44.4%
7	Penderi	44.4%
51	Amman/Gwendraeth	45.0%
34	Cardiff East	45.8%
13	Caerphilly South	46.6%
28	Meirionnydd	46.7%
46	North Cynon	48.2%
17	Newport West	49.3%
41	Eastern Vale	49.5%
33	Central Wrexham	50.0%
44	Bridgend North Network	50.0%
12	Caerphilly North	50.4%
18	Torfaen North	50.8%
50	South Cynon	52.7%
3	CityHealth	52.8%
52	Llanelli	53.8%
55	South Ceredigion	57.9%
27	North West Flintshire	58.2%
54	North Pembrokeshire	59.0%
26	Dwyfor	60.5%
10	Blaenau Gwent West	63.7%
2	BayHealth	64.4%
57	Taf / Tywi	66.4%
1	Afan	66.7%
45	Bridgend West Network	72.4%



Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

National target
80% or more of people with asthma in Wales should be diagnosed

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

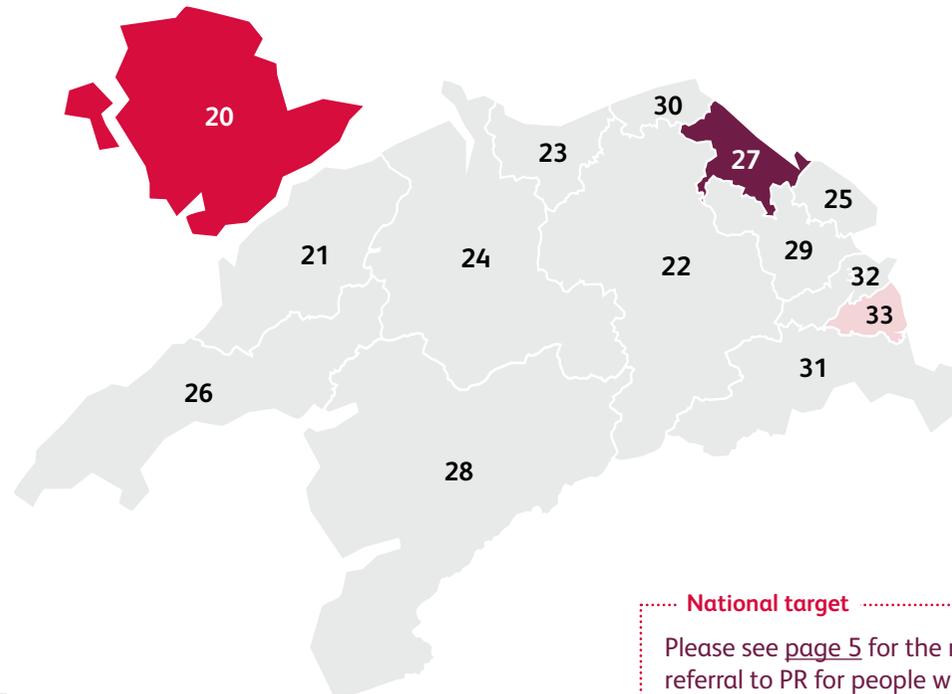
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%
37	Cardiff North	31.7%
38	Cardiff South West	32.1%
12	Caerphilly North	33.0%
49	Taf Ely	33.1%
48	Rhondda	33.6%
14	Monmouthshire North	36.0%
44	Bridgend North Network	36.2%
7	Penderi	38.2%
16	Newport East and North	39.2%
1	Afan	40.4%
46	North Cynon	40.5%
33	Central Wrexham	40.8%
6	Neath	44.5%
13	Caerphilly South	44.5%
34	Cardiff East	44.7%
10	Blaenau Gwent West	48.1%
20	Anglesey	48.8%
4	Cwmtawe	49.9%
11	Caerphilly East	54.4%
3	CityHealth	55.3%
5	Llwchwr	56.1%
18	Torfaen North	57.7%
35	Cardiff South East	57.7%
47	Merthyr Tydfil	58.7%
8	Upper Valleys	60.9%
52	Llanelli	61.3%
40	Central Vale	63.6%
2	BayHealth	69.7%
43	Bridgend East Network	70.2%
27	North West Flintshire	85.5%



National target
Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5

Data not available due to disclosure issues or <10 practices

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

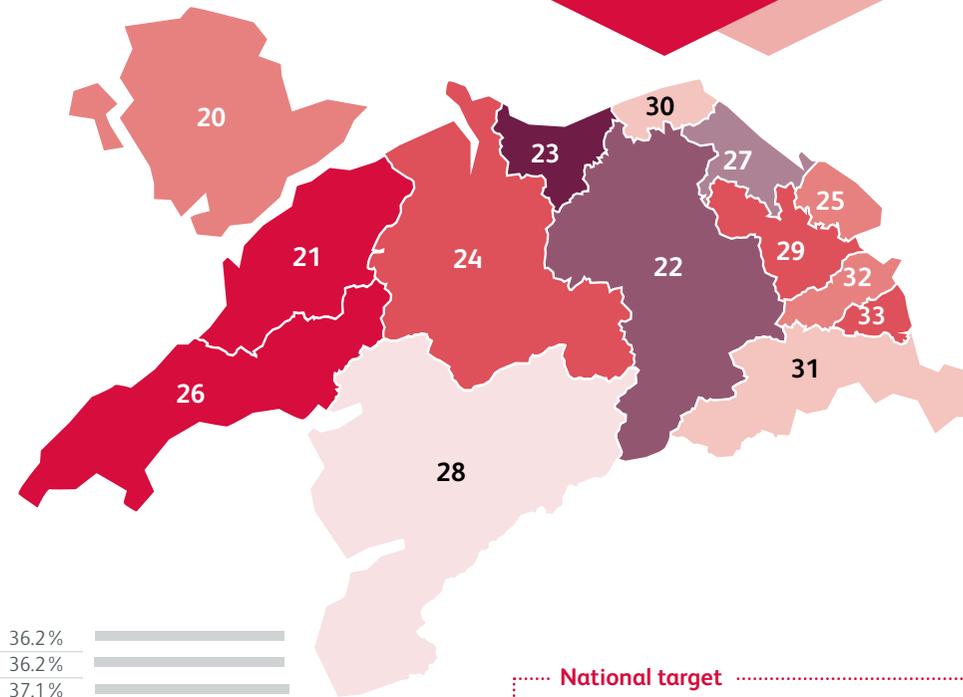
Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%
41	Eastern Vale	10.7%
47	Merthyr Tydfil	10.8%
50	South Cynon	10.8%
7	Penderi	11.2%
38	Cardiff South West	11.4%
48	Rhondda	11.4%
28	Meirionnydd	11.6%
36	City & Cardiff South	12.6%
49	Taf Ely	13.8%
30	North Denbighshire	13.8%
31	South Wrexham	15.6%
57	Taf / Tywi	16.8%
40	Central Vale	16.9%
53	North Ceredigion	17.8%
8	Upper Valleys	18.4%
45	Bridgend West Network	18.6%
32	North & West Wrexham	19.8%
19	Torfaen South	20.1%
25	North East Flintshire	21.0%
20	Anglesey	22.3%
18	Torfaen North	22.3%
55	South Ceredigion	22.7%
34	Cardiff East	22.9%
15	Monmouthshire South	23.1%
13	Caerphilly South	23.3%
24	Conwy West	23.7%
29	South Flintshire	23.8%
33	Central Wrexham	23.9%
12	Caerphilly North	24.4%
2	BayHealth	24.8%
16	Newport East and North	24.9%
10	Blaenau Gwent West	25.5%
37	Cardiff North	26.1%
9	Blaenau Gwent East	26.5%
4	Cwmataw	26.6%
56	South Pembrokeshire	27.3%
26	Dwyfor	28.1%
21	Arfon	29.6%
35	Cardiff South East	30.9%
52	Llanelli	31.8%
14	Monmouthshire North	34.3%
27	North West Flintshire	34.5%
46	North Cynon	34.9%
5	Llchwyr	35.8%
6	Neath	35.9%

54	North Pembrokeshire	36.2%
44	Bridgend North Network	36.2%
3	CityHealth	37.1%
17	Newport West	37.1%
22	Central & South Denbighshire	40.7%
51	Amman/Gwendraeth	41.3%
39	Cardiff West	42.3%
43	Bridgend East Network	44.8%
11	Caerphilly East	55.9%
23	Conwy East	56.2%

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 42 Western Vale



National target
50% or more of people with asthma in Wales should have a PAAP

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

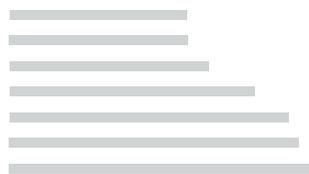
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[⬆️ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

2	BayHealth	23.7%
37	Cardiff North	23.9%
34	Cardiff East	26.6%
52	Llanelli	32.7%
17	Newport West	37.3%
39	Cardiff West	38.7%
43	Bridgend East Network	40.6%

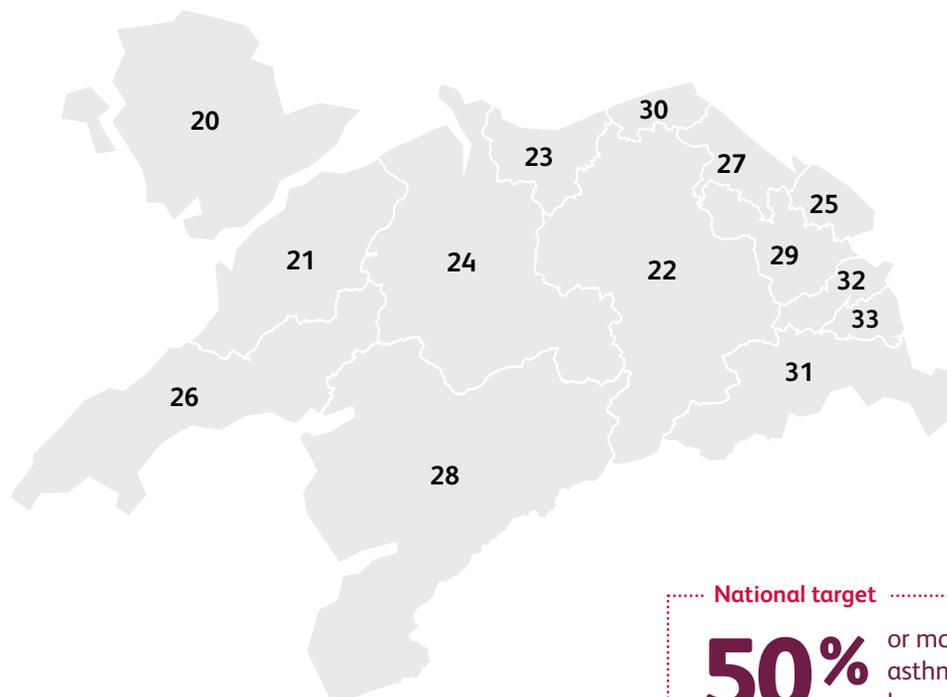


Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llchwyr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



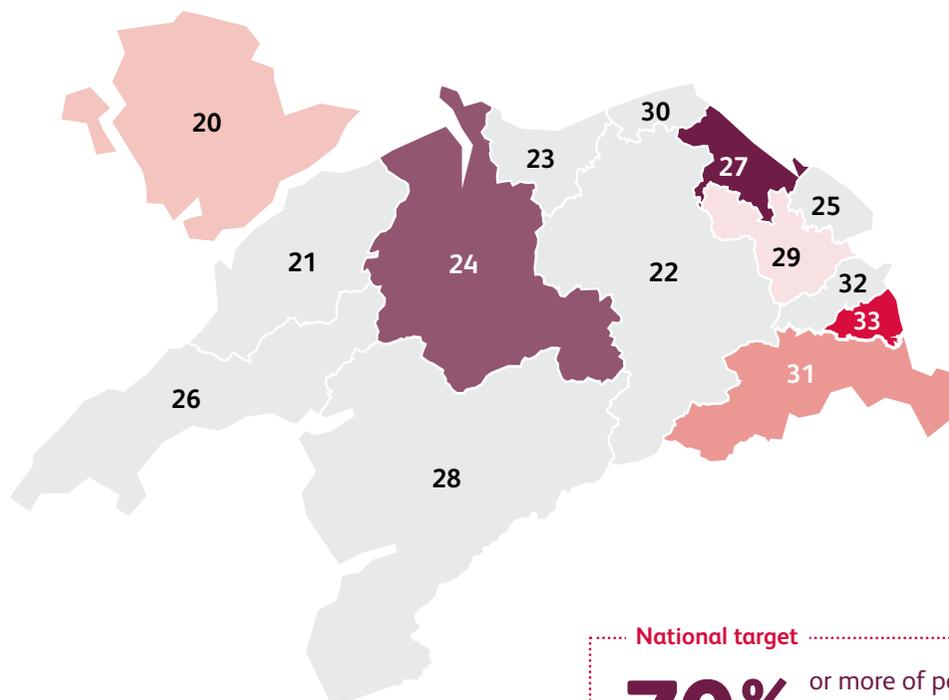
National target
50% or more of people with asthma in Wales should have a PAAP

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely	17.6%	█
44	Bridgend North Network	18.4%	█
29	South Flintshire	20.5%	█
20	Anglesey	21.5%	█
7	Penderi	23.4%	█
31	South Wrexham	23.7%	█
43	Bridgend East Network	25.9%	█
14	Monmouthshire North	29.3%	█
38	Cardiff South West	31.3%	█
37	Cardiff North	32.3%	█
33	Central Wrexham	32.7%	█
13	Caerphilly South	33.1%	█
39	Cardiff West	33.1%	█
48	Rhondda	33.2%	█
3	CityHealth	33.9%	█
47	Merthyr Tydfil	34.3%	█
2	BayHealth	34.6%	█
24	Conwy West	34.8%	█
8	Upper Valleys	35.5%	█
1	Afan	37.0%	█
56	South Pembrokeshire	37.2%	█
51	Amman/Gwendraeth	37.9%	█
11	Caerphilly East	40.1%	█
52	Llanelli	41.4%	█
10	Blaenau Gwent West	44.2%	█
40	Central Vale	44.5%	█
46	North Cynon	48.8%	█
6	Neath	55.6%	█
27	North West Flintshire	55.7%	█



National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Data not available due to disclosure issues or <10 practices

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

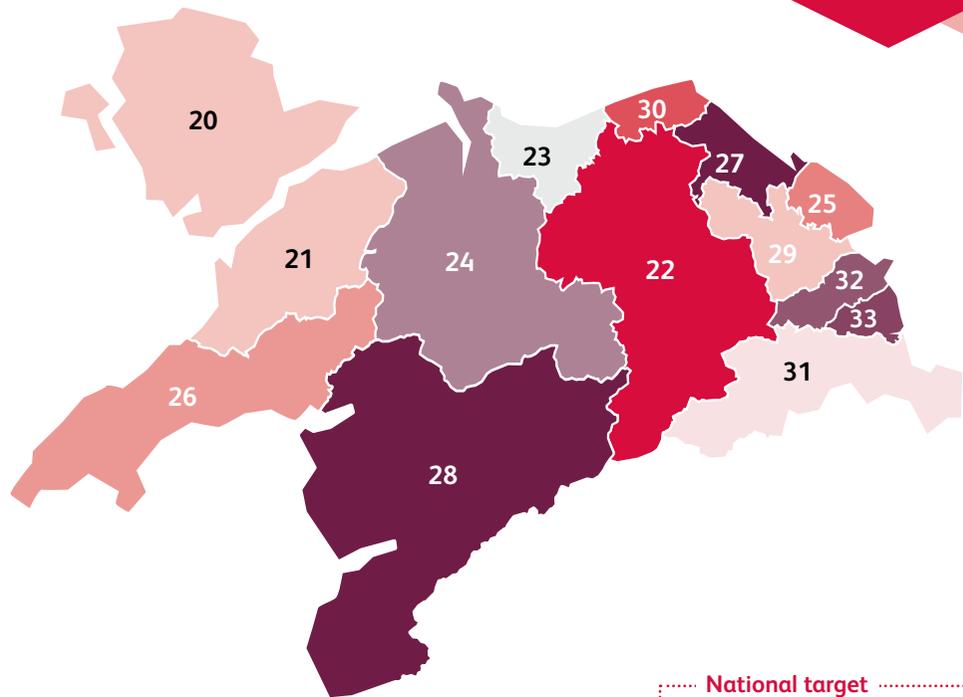
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with asthma

55	South Ceredigion	4.8%	■
15	Monmouthshire South	7.0%	■
42	Western Vale	8.0%	■
4	Cwmtawe	8.6%	■
5	Llchwyr	9.1%	■
45	Bridgend West Network	9.2%	■
31	South Wrexham	13.1%	■
44	Bridgend North Network	13.6%	■
49	Taf Ely	14.8%	■
53	North Ceredigion	16.6%	■
20	Anglesey	16.9%	■
21	Arfon	16.9%	■
29	South Flintshire	17.3%	■
9	Blaenau Gwent East	17.6%	■
17	Newport West	17.7%	■
26	Dwyfor	18.8%	■
39	Cardiff West	18.8%	■
54	North Pembrokeshire	19.1%	■
25	North East Flintshire	19.8%	■
7	Penderi	20.0%	■
30	North Denbighshire	20.9%	■
47	Merthyr Tydfil	21.7%	■
38	Cardiff South West	21.9%	■
36	City & Cardiff South	22.0%	■
12	Caerphilly North	22.6%	■
1	Afan	22.7%	■
16	Newport East and North	22.8%	■
40	Central Vale	23.2%	■
48	Rhondda	24.0%	■
8	Upper Valleys	24.2%	■
14	Monmouthshire North	24.2%	■
19	Torfaen South	24.2%	■
22	Central & South Denbighshire	24.3%	■
18	Torfaen North	24.3%	■
6	Neath	25.8%	■
35	Cardiff South East	26.3%	■
50	South Cynon	28.3%	■
56	South Pembrokeshire	28.9%	■
2	BayHealth	29.4%	■
37	Cardiff North	32.4%	■
41	Eastern Vale	32.6%	■
24	Conwy West	33.1%	■
34	Cardiff East	33.7%	■
13	Caerphilly South	34.7%	■
32	North & West Wrexham	36.1%	■
11	Caerphilly East	37.2%	■



33	Central Wrexham	39.1%	■
3	CityHealth	39.1%	■
27	North West Flintshire	40.0%	■
28	Meirionnydd	41.3%	■
43	Bridgend East Network	41.7%	■
52	Llanelli	43.9%	■
46	North Cynon	44.0%	■
57	Taf / Tywi	56.1%	■
10	Blaenau Gwent West	59.4%	■
51	Amman/Gwendraeth	60.7%	■

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 23 Conwy East

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

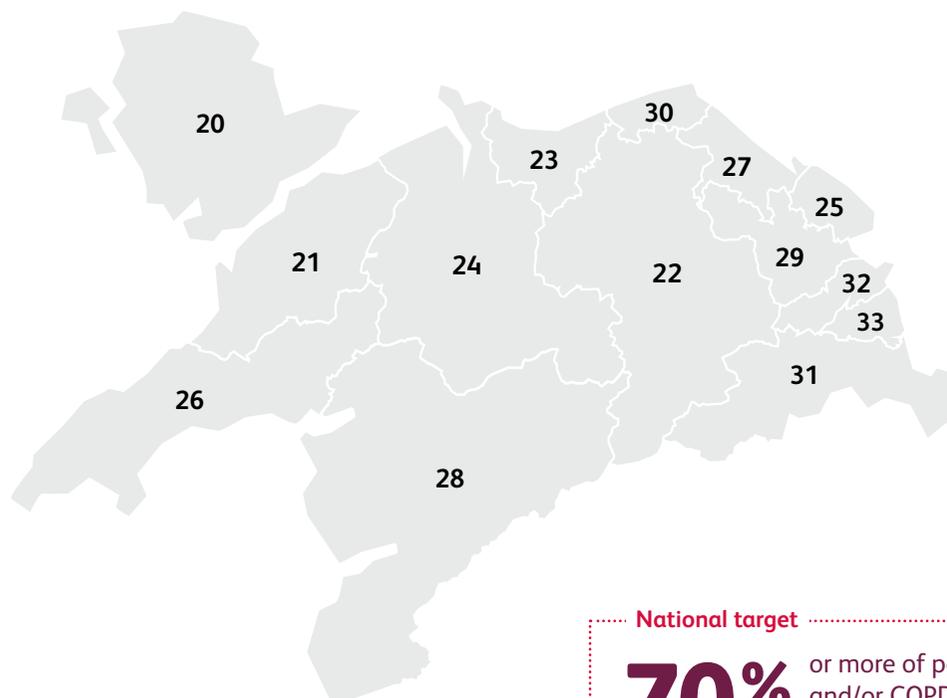
2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 23 Central Wrexham
- 33 Central Wrexham
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

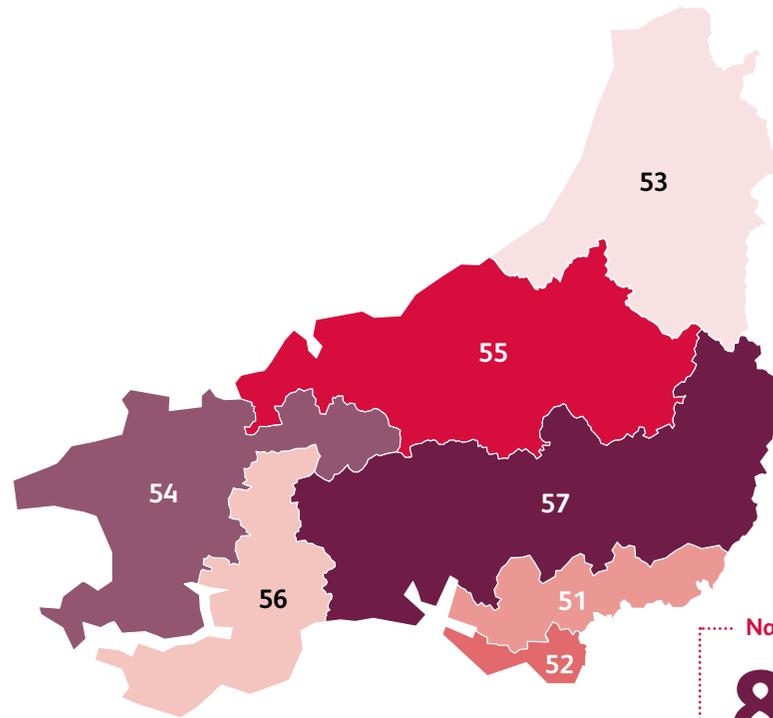
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Diagnosing asthma in adults

11	Caerphilly East	20.7%
53	North Ceredigion	26.0%
16	Newport East and North	27.2%
21	Arfon	27.5%
40	Central Vale	31.1%
5	Llchwyr	32.0%
24	Conwy West	36.0%
39	Cardiff West	37.6%
32	North & West Wrexham	37.7%
30	North Denbighshire	38.1%
25	North East Flintshire	38.7%
49	Taf Ely	39.1%
47	Merthyr Tydfil	39.2%
48	Rhondda	39.7%
20	Anglesey	39.7%
35	Cardiff South East	41.1%
14	Monmouthshire North	41.2%
4	Cwmtawe	41.4%
43	Bridgend East Network	42.6%
37	Cardiff North	42.8%
38	Cardiff South West	42.9%
56	South Pembrokeshire	44.3%
29	South Flintshire	44.4%
7	Penderi	44.4%
51	Amman/Gwendraeth	45.0%
34	Cardiff East	45.8%
13	Caerphilly South	46.6%
28	Meirionnydd	46.7%
46	North Cynon	48.2%
17	Newport West	49.3%
41	Eastern Vale	49.5%
33	Central Wrexham	50.0%
44	Bridgend North Network	50.0%
12	Caerphilly North	50.4%
18	Torfaen North	50.8%
50	South Cynon	52.7%
3	CityHealth	52.8%
52	Llanelli	53.8%
55	South Ceredigion	57.9%
27	North West Flintshire	58.2%
54	North Pembrokeshire	59.0%
26	Dwyfor	60.5%
10	Blaenau Gwent West	63.7%
2	BayHealth	64.4%
57	Taf / Tywi	66.4%
1	Afan	66.7%
45	Bridgend West Network	72.4%



Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

National target
80% or more of people with asthma in Wales should be diagnosed

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

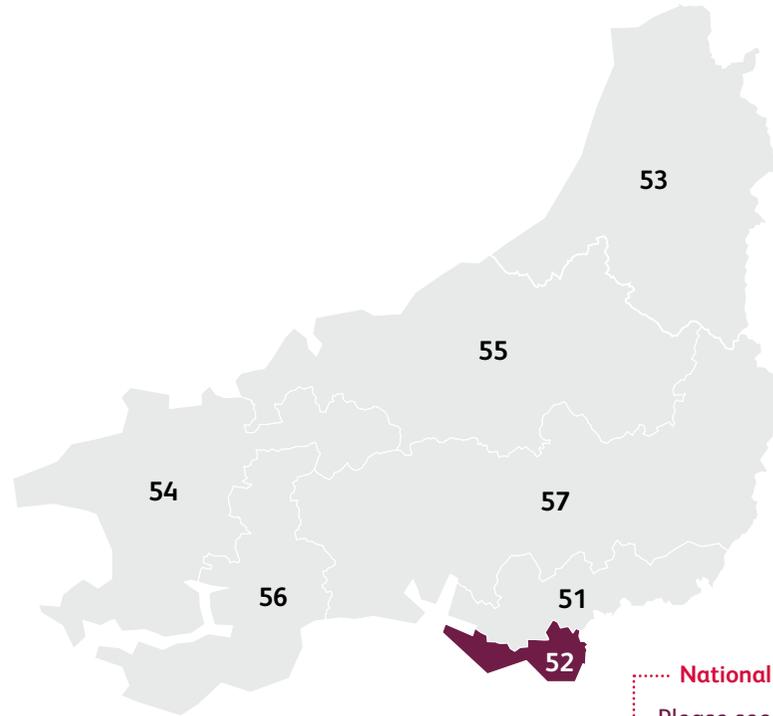
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%	
37	Cardiff North	31.7%	
38	Cardiff South West	32.1%	
12	Caerphilly North	33.0%	
49	Taf Ely	33.1%	
48	Rhondda	33.6%	
14	Monmouthshire North	36.0%	
44	Bridgend North Network	36.2%	
7	Penderi	38.2%	
16	Newport East and North	39.2%	
1	Afan	40.4%	
46	North Cynon	40.5%	
33	Central Wrexham	40.8%	
6	Neath	44.5%	
13	Caerphilly South	44.5%	
34	Cardiff East	44.7%	
10	Blaenau Gwent West	48.1%	
20	Anglesey	48.8%	
4	Cwmtawe	49.9%	
11	Caerphilly East	54.4%	
3	CityHealth	55.3%	
5	Llwchwr	56.1%	
18	Torfaen North	57.7%	
35	Cardiff South East	57.7%	
47	Merthyr Tydfil	58.7%	
8	Upper Valleys	60.9%	
52	Llanelli	61.3%	
40	Central Vale	63.6%	
2	BayHealth	69.7%	
43	Bridgend East Network	70.2%	
27	North West Flintshire	85.5%	



National target

Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5

Data not available due to disclosure issues or <10 practices

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

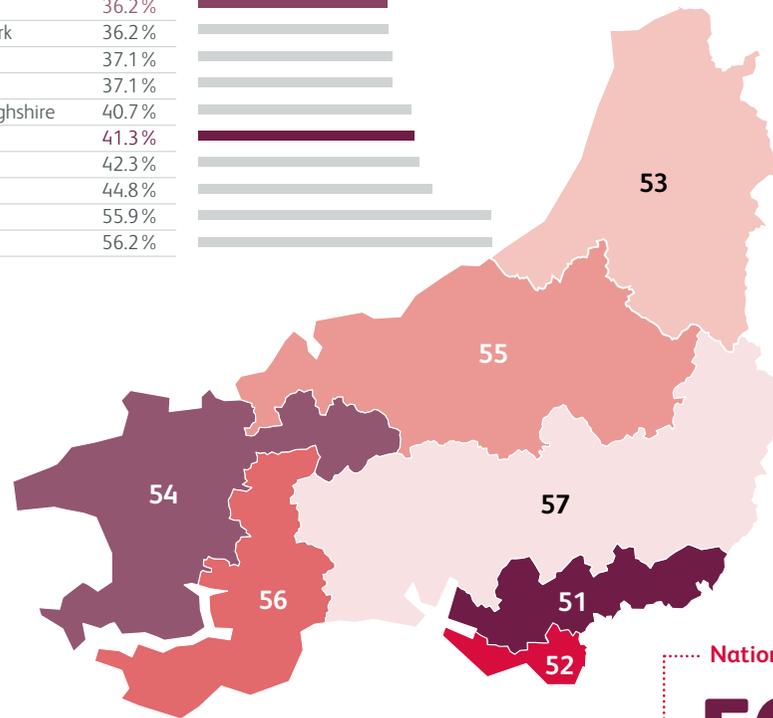
Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%
41	Eastern Vale	10.7%
47	Merthyr Tydfil	10.8%
50	South Cynon	10.8%
7	Penderi	11.2%
38	Cardiff South West	11.4%
48	Rhondda	11.4%
28	Meirionnydd	11.6%
36	City & Cardiff South	12.6%
49	Taf Ely	13.8%
30	North Denbighshire	13.8%
31	South Wrexham	15.6%
57	Taf / Tywi	16.8%
40	Central Vale	16.9%
53	North Ceredigion	17.8%
8	Upper Valleys	18.4%
45	Bridgend West Network	18.6%
32	North & West Wrexham	19.8%
19	Torfaen South	20.1%
25	North East Flintshire	21.0%
20	Anglesey	22.3%
18	Torfaen North	22.3%
55	South Ceredigion	22.7%
34	Cardiff East	22.9%
15	Monmouthshire South	23.1%
13	Caerphilly South	23.3%
24	Conwy West	23.7%
29	South Flintshire	23.8%
33	Central Wrexham	23.9%
12	Caerphilly North	24.4%
2	BayHealth	24.8%
16	Newport East and North	24.9%
10	Blaenau Gwent West	25.5%
37	Cardiff North	26.1%
9	Blaenau Gwent East	26.5%
4	Cwmtawe	26.6%
56	South Pembrokeshire	27.3%
26	Dwyfor	28.1%
21	Arfon	29.6%
35	Cardiff South East	30.9%
52	Llanelli	31.8%
14	Monmouthshire North	34.3%
27	North West Flintshire	34.5%
46	North Cynon	34.9%
5	Llchwyr	35.8%
6	Neath	35.9%

54	North Pembrokeshire	36.2%
44	Bridgend North Network	36.2%
3	CityHealth	37.1%
17	Newport West	37.1%
22	Central & South Denbighshire	40.7%
51	Amman/Gwendraeth	41.3%
39	Cardiff West	42.3%
43	Bridgend East Network	44.8%
11	Caerphilly East	55.9%
23	Conwy East	56.2%



National target
50% or more of people with asthma in Wales should have a PAAP

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
42	Western Vale

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

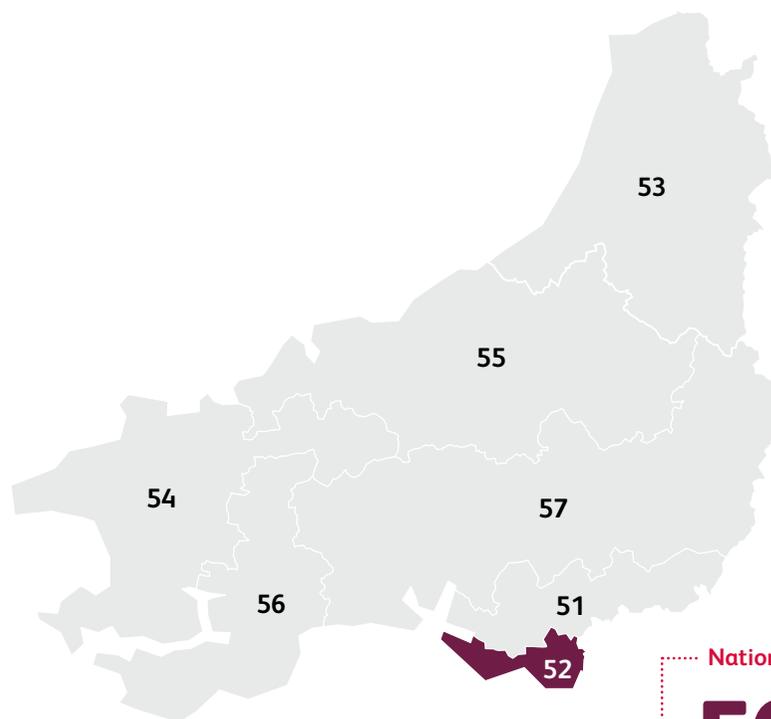
2	BayHealth	23.7%	<div style="width: 23.7%;"></div>
37	Cardiff North	23.9%	<div style="width: 23.9%;"></div>
34	Cardiff East	26.6%	<div style="width: 26.6%;"></div>
52	Llanelli	32.7%	<div style="width: 32.7%;"></div>
17	Newport West	37.3%	<div style="width: 37.3%;"></div>
39	Cardiff West	38.7%	<div style="width: 38.7%;"></div>
43	Bridgend East Network	40.6%	<div style="width: 40.6%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llchwyr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target
50% or more of people with asthma in Wales should have a PAAP

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

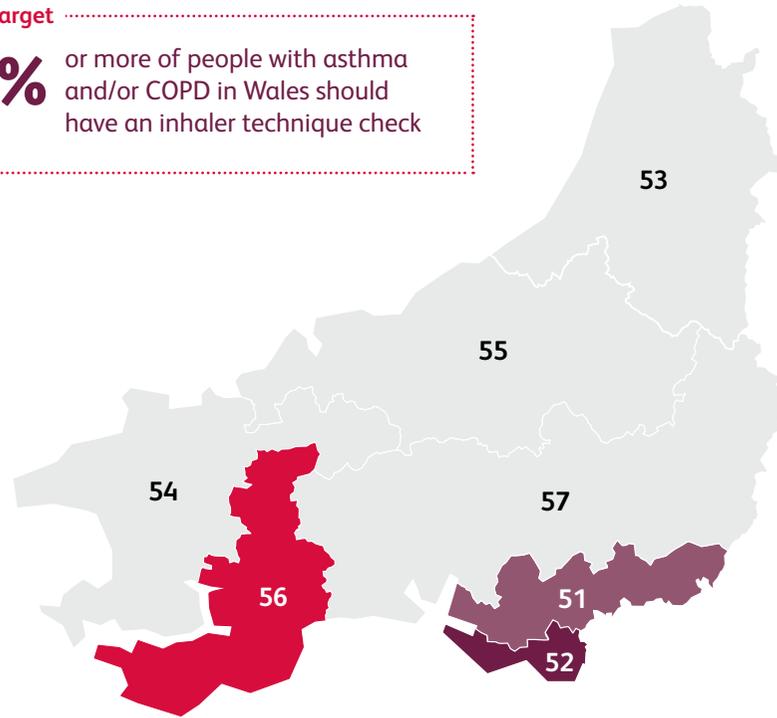
Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely	17.6%	■
44	Bridgend North Network	18.4%	■
29	South Flintshire	20.5%	■
20	Anglesey	21.5%	■
7	Penderi	23.4%	■
31	South Wrexham	23.7%	■
43	Bridgend East Network	25.9%	■
14	Monmouthshire North	29.3%	■
38	Cardiff South West	31.3%	■
37	Cardiff North	32.3%	■
33	Central Wrexham	32.7%	■
13	Caerphilly South	33.1%	■
39	Cardiff West	33.1%	■
48	Rhondda	33.2%	■
3	CityHealth	33.9%	■
47	Merthyr Tydfil	34.3%	■
2	BayHealth	34.6%	■
24	Conwy West	34.8%	■
8	Upper Valleys	35.5%	■
1	Afan	37.0%	■
56	South Pembrokeshire	37.2%	■
51	Amman/Gwendraeth	37.9%	■
11	Caerphilly East	40.1%	■
52	Llanelli	41.4%	■
10	Blaenau Gwent West	44.2%	■
40	Central Vale	44.5%	■
46	North Cynon	48.8%	■
6	Neath	55.6%	■
27	North West Flintshire	55.7%	■

National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check



Data not available due to disclosure issues or <10 practices

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

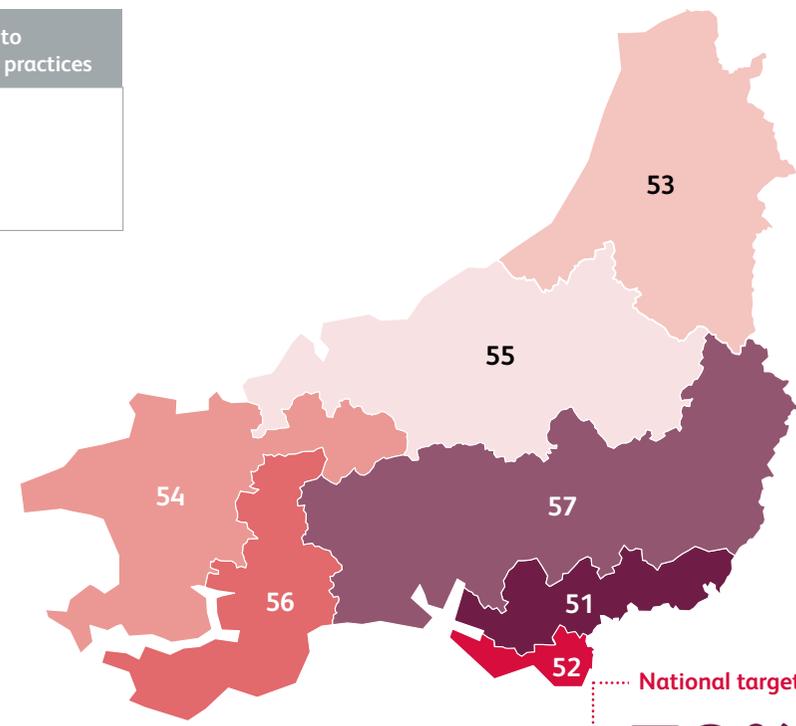
Inhaler technique check – Adults with asthma

55	South Ceredigion	4.8%	■
15	Monmouthshire South	7.0%	■
42	Western Vale	8.0%	■
4	Cwmtawe	8.6%	■
5	Llwchwr	9.1%	■
45	Bridgend West Network	9.2%	■
31	South Wrexham	13.1%	■
44	Bridgend North Network	13.6%	■
49	Taf Ely	14.8%	■
53	North Ceredigion	16.6%	■
20	Anglesey	16.9%	■
21	Arfon	16.9%	■
29	South Flintshire	17.3%	■
9	Blaenau Gwent East	17.6%	■
17	Newport West	17.7%	■
26	Dwyfor	18.8%	■
39	Cardiff West	18.8%	■
54	North Pembrokeshire	19.1%	■
25	North East Flintshire	19.8%	■
7	Penderi	20.0%	■
30	North Denbighshire	20.9%	■
47	Merthyr Tydfil	21.7%	■
38	Cardiff South West	21.9%	■
36	City & Cardiff South	22.0%	■
12	Caerphilly North	22.6%	■
1	Afan	22.7%	■
16	Newport East and North	22.8%	■
40	Central Vale	23.2%	■
48	Rhondda	24.0%	■
8	Upper Valleys	24.2%	■
14	Monmouthshire North	24.2%	■
19	Torfaen South	24.2%	■
22	Central & South Denbighshire	24.3%	■
18	Torfaen North	24.3%	■
6	Neath	25.8%	■
35	Cardiff South East	26.3%	■
50	South Cynon	28.3%	■
56	South Pembrokeshire	28.9%	■
2	BayHealth	29.4%	■
37	Cardiff North	32.4%	■
41	Eastern Vale	32.6%	■
24	Conwy West	33.1%	■
34	Cardiff East	33.7%	■
13	Caerphilly South	34.7%	■
32	North & West Wrexham	36.1%	■
11	Caerphilly East	37.2%	■

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
23	Conwy East

33	Central Wrexham	39.1%	■
3	CityHealth	39.1%	■
27	North West Flintshire	40.0%	■
28	Meirionnydd	41.3%	■
43	Bridgend East Network	41.7%	■
52	Llanelli	43.9%	■
46	North Cynon	44.0%	■
57	Taf / Tywi	56.1%	■
10	Blaenau Gwent West	59.4%	■
51	Amman/Gwendraeth	60.7%	■



National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

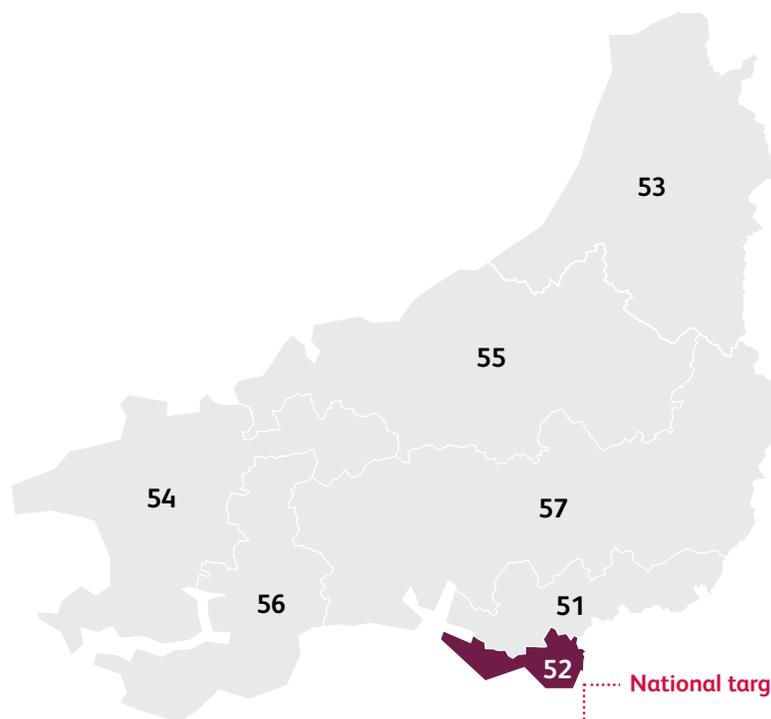
2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

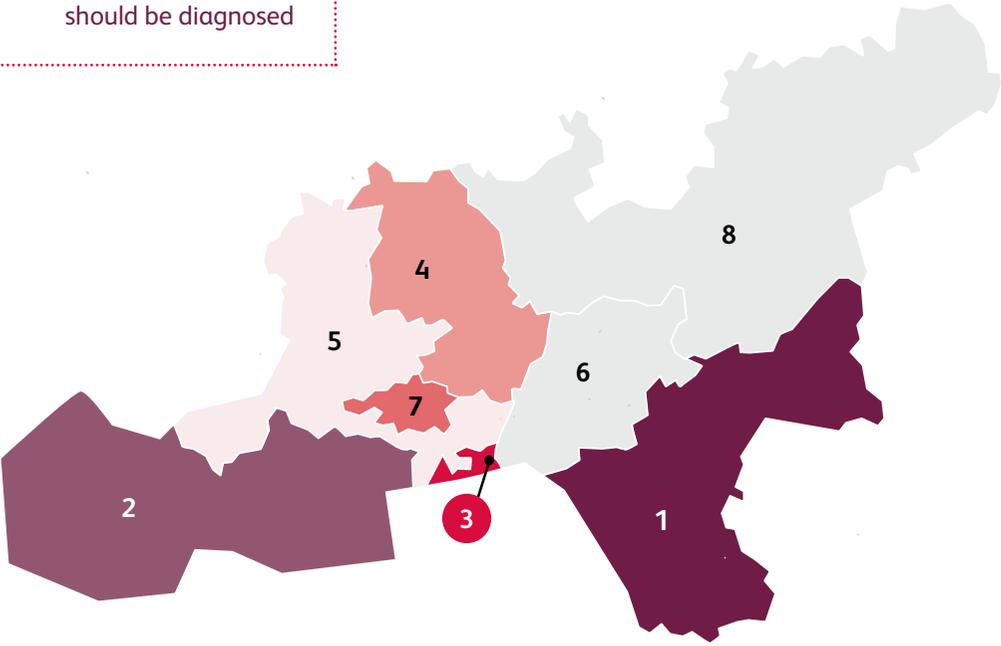
[↑ Back to Wales LHB map](#)

Diagnosing asthma in adults

11	Caerphilly East	20.7%
53	North Ceredigion	26.0%
16	Newport East and North	27.2%
21	Arfon	27.5%
40	Central Vale	31.1%
5	Llŵchwr	32.0%
24	Conwy West	36.0%
39	Cardiff West	37.6%
32	North & West Wrexham	37.7%
30	North Denbighshire	38.1%
25	North East Flintshire	38.7%
49	Taf Ely	39.1%
47	Merthyr Tydfil	39.2%
48	Rhondda	39.7%
20	Anglesey	39.7%
35	Cardiff South East	41.1%
14	Monmouthshire North	41.2%
4	Cwmataw	41.4%
43	Bridgend East Network	42.6%
37	Cardiff North	42.8%
38	Cardiff South West	42.9%
56	South Pembrokeshire	44.3%
29	South Flintshire	44.4%
7	Penderi	44.4%
51	Amman/Gwendraeth	45.0%
34	Cardiff East	45.8%
13	Caerphilly South	46.6%
28	Meirionnydd	46.7%
46	North Cynon	48.2%
17	Newport West	49.3%
41	Eastern Vale	49.5%
33	Central Wrexham	50.0%
44	Bridgend North Network	50.0%
12	Caerphilly North	50.4%
18	Torfaen North	50.8%
50	South Cynon	52.7%
3	CityHealth	52.8%
52	Llanelli	53.8%
55	South Ceredigion	57.9%
27	North West Flintshire	58.2%
54	North Pembrokeshire	59.0%
26	Dwyfor	60.5%
10	Blaenau Gwent West	63.7%
2	BayHealth	64.4%
57	Taf / Tywi	66.4%
1	Afan	66.7%
45	Bridgend West Network	72.4%

National target

80% or more of people with asthma in Wales should be diagnosed



Data not available due to disclosure issues or <10 practices

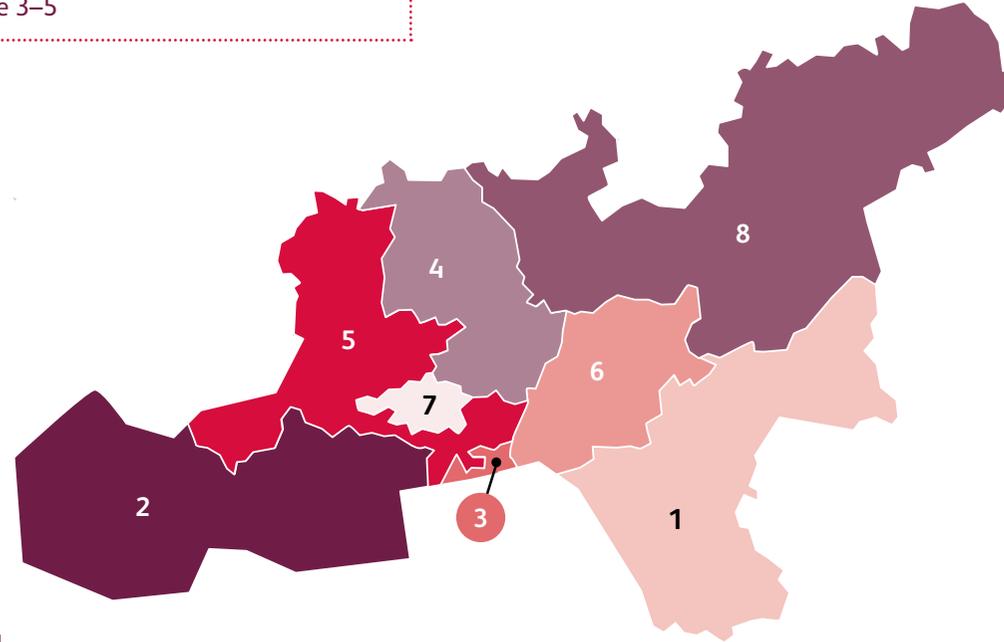
- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

- Diagnosing asthma in adults
-
- Referral to PR for adults with COPD (all MRC grades)
-
- PAAP – Adults with asthma
-
- PAAP – Children and young people with asthma
-
- Inhaler technique check – Adults with COPD
-
- Inhaler technique check – Adults with asthma
-
- Inhaler technique check – Children and young people with asthma
-
- [↶ Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%
37	Cardiff North	31.7%
38	Cardiff South West	32.1%
12	Caerphilly North	33.0%
49	Taf Ely	33.1%
48	Rhondda	33.6%
14	Monmouthshire North	36.0%
44	Bridgend North Network	36.2%
7	Penderi	38.2%
16	Newport East and North	39.2%
1	Afan	40.4%
46	North Cynon	40.5%
33	Central Wrexham	40.8%
6	Neath	44.5%
13	Caerphilly South	44.5%
34	Cardiff East	44.7%
10	Blaenau Gwent West	48.1%
20	Anglesey	48.8%
4	Cwmatawe	49.9%
11	Caerphilly East	54.4%
3	CityHealth	55.3%
5	Llŵchwr	56.1%
18	Torfaen North	57.7%
35	Cardiff South East	57.7%
47	Merthyr Tydfil	58.7%
8	Upper Valleys	60.9%
52	Llanelli	61.3%
40	Central Vale	63.6%
2	BayHealth	69.7%
43	Bridgend East Network	70.2%
27	North West Flintshire	85.5%

National target
Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5



Data not available due to disclosure issues or <10 practices

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

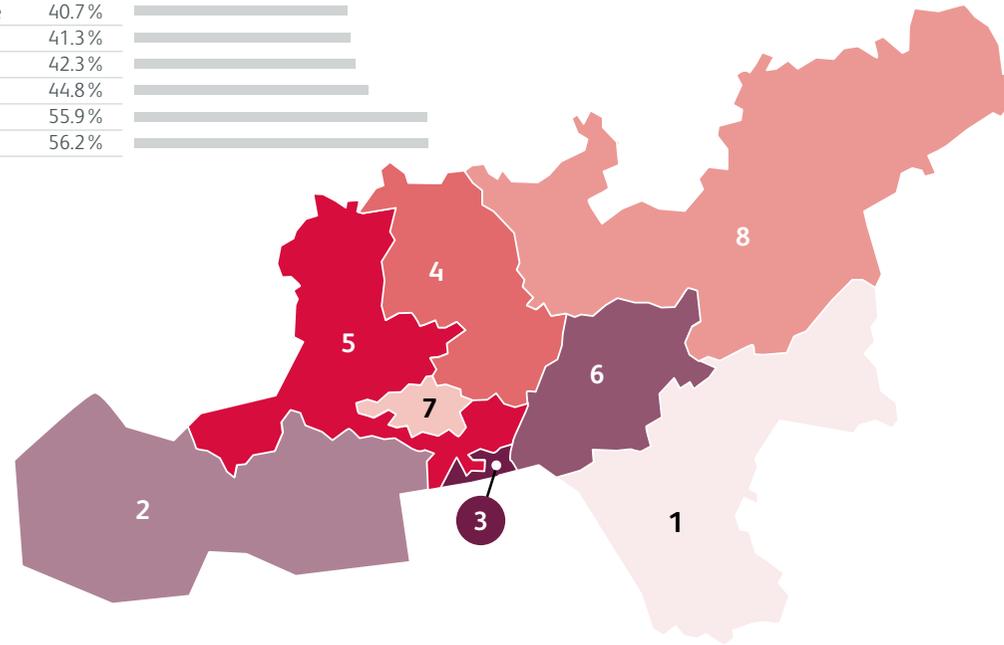
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↶ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%		54	North Pembrokeshire	36.2%	
41	Eastern Vale	10.7%		44	Bridgend North Network	36.2%	
47	Merthyr Tydfil	10.8%		3	CityHealth	37.1%	
50	South Cynon	10.8%		17	Newport West	37.1%	
7	Penderi	11.2%		22	Central & South Denbighshire	40.7%	
38	Cardiff South West	11.4%		51	Amman/Gwendraeth	41.3%	
48	Rhondda	11.4%		39	Cardiff West	42.3%	
28	Meirionnydd	11.6%		43	Bridgend East Network	44.8%	
36	City & Cardiff South	12.6%		11	Caerphilly East	55.9%	
49	Taf Ely	13.8%		23	Conwy East	56.2%	
30	North Denbighshire	13.8%					
31	South Wrexham	15.6%					
57	Taf / Tywi	16.8%					
40	Central Vale	16.9%					
53	North Ceredigion	17.8%					
8	Upper Valleys	18.4%					
45	Bridgend West Network	18.6%					
32	North & West Wrexham	19.8%					
19	Torfaen South	20.1%					
25	North East Flintshire	21.0%					
20	Anglesey	22.3%					
18	Torfaen North	22.3%					
55	South Ceredigion	22.7%					
34	Cardiff East	22.9%					
15	Monmouthshire South	23.1%					
13	Caerphilly South	23.3%					
24	Conwy West	23.7%					
29	South Flintshire	23.8%					
33	Central Wrexham	23.9%					
12	Caerphilly North	24.4%					
2	BayHealth	24.8%					
16	Newport East and North	24.9%					
10	Blaenau Gwent West	25.5%					
37	Cardiff North	26.1%					
9	Blaenau Gwent East	26.5%					
4	CwmTawe	26.6%					
56	South Pembrokeshire	27.3%					
26	Dwyfor	28.1%					
21	Arfon	29.6%					
35	Cardiff South East	30.9%					
52	Llanelli	31.8%					
14	Monmouthshire North	34.3%					
27	North West Flintshire	34.5%					
46	North Cynon	34.9%					
5	Llwchwr	35.8%					
6	Neath	35.9%					



National target
50% or more of people with asthma in Wales should have a PAAP

Data not available due to disclosure issues or <10 practices

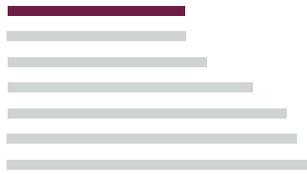
58	Mid Powys
59	North Powys
60	South Powys
42	Western Vale

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[↶ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

2	BayHealth	23.7%
37	Cardiff North	23.9%
34	Cardiff East	26.6%
52	Llanelli	32.7%
17	Newport West	37.3%
39	Cardiff West	38.7%
43	Bridgend East Network	40.6%



Data not available due to disclosure issues or <10 practices

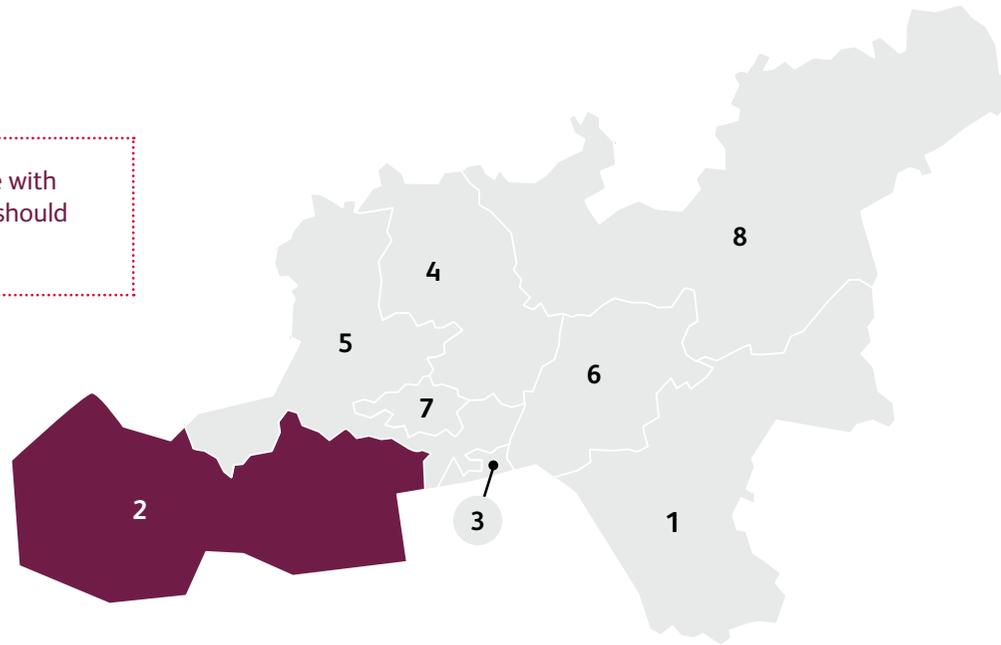
- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

National target

50% or more of people with asthma in Wales should have a PAAP

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

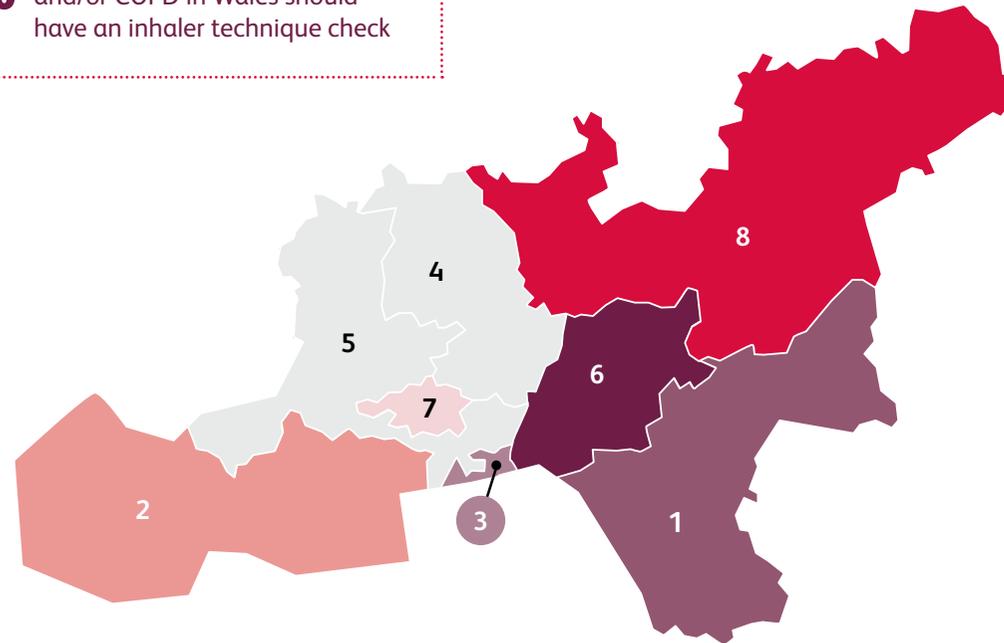
[⬆️ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely	17.6%
44	Bridgend North Network	18.4%
29	South Flintshire	20.5%
20	Anglesey	21.5%
7	Penderi	23.4%
31	South Wrexham	23.7%
43	Bridgend East Network	25.9%
14	Monmouthshire North	29.3%
38	Cardiff South West	31.3%
37	Cardiff North	32.3%
33	Central Wrexham	32.7%
13	Caerphilly South	33.1%
39	Cardiff West	33.1%
48	Rhondda	33.2%
3	CityHealth	33.9%
47	Merthyr Tydfil	34.3%
2	BayHealth	34.6%
24	Conwy West	34.8%
8	Upper Valleys	35.5%
1	Afan	37.0%
56	South Pembrokeshire	37.2%
51	Amman/Gwendraeth	37.9%
11	Caerphilly East	40.1%
52	Llanelli	41.4%
10	Blaenau Gwent West	44.2%
40	Central Vale	44.5%
46	North Cynon	48.8%
6	Neath	55.6%
27	North West Flintshire	55.7%

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check



Swansea Bay LHB

Data not available due to disclosure issues or <10 practices

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with asthma

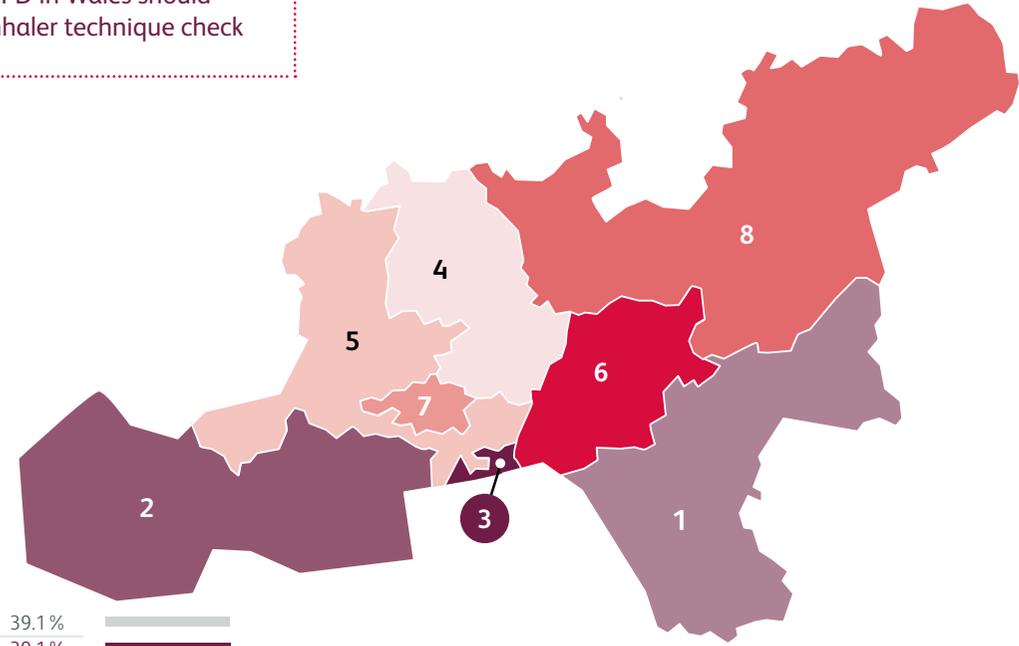
55	South Ceredigion	4.8%	
15	Monmouthshire South	7.0%	
42	Western Vale	8.0%	
4	Cwmataw	8.6%	
5	Llŵchwr	9.1%	
45	Bridgend West Network	9.2%	
31	South Wrexham	13.1%	
44	Bridgend North Network	13.6%	
49	Taf Ely	14.8%	
53	North Ceredigion	16.6%	
20	Anglesey	16.9%	
21	Arfon	16.9%	
29	South Flintshire	17.3%	
9	Blaenau Gwent East	17.6%	
17	Newport West	17.7%	
26	Dwyfor	18.8%	
39	Cardiff West	18.8%	
54	North Pembrokeshire	19.1%	
25	North East Flintshire	19.8%	
7	Penderi	20.0%	
30	North Denbighshire	20.9%	
47	Merthyr Tydfil	21.7%	
38	Cardiff South West	21.9%	
36	City & Cardiff South	22.0%	
12	Caerphilly North	22.6%	
1	Afan	22.7%	
16	Newport East and North	22.8%	
40	Central Vale	23.2%	
48	Rhondda	24.0%	
8	Upper Valleys	24.2%	
14	Monmouthshire North	24.2%	
19	Torfaen South	24.2%	
22	Central & South Denbighshire	24.3%	
18	Torfaen North	24.3%	
6	Neath	25.8%	
35	Cardiff South East	26.3%	
50	South Cynon	28.3%	
56	South Pembrokeshire	28.9%	
2	BayHealth	29.4%	
37	Cardiff North	32.4%	
41	Eastern Vale	32.6%	
24	Conwy West	33.1%	
34	Cardiff East	33.7%	
13	Caerphilly South	34.7%	
32	North & West Wrexham	36.1%	
11	Caerphilly East	37.2%	

National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

33	Central Wrexham	39.1%	
3	CityHealth	39.1%	
27	North West Flintshire	40.0%	
28	Meirionnydd	41.3%	
43	Bridgend East Network	41.7%	
52	Llanelli	43.9%	
46	North Cynon	44.0%	
57	Taf / Tywi	56.1%	
10	Blaenau Gwent West	59.4%	
51	Amman/Gwendraeth	60.7%	

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
23	Conwy East



Swansea Bay LHB

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[⬆ Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

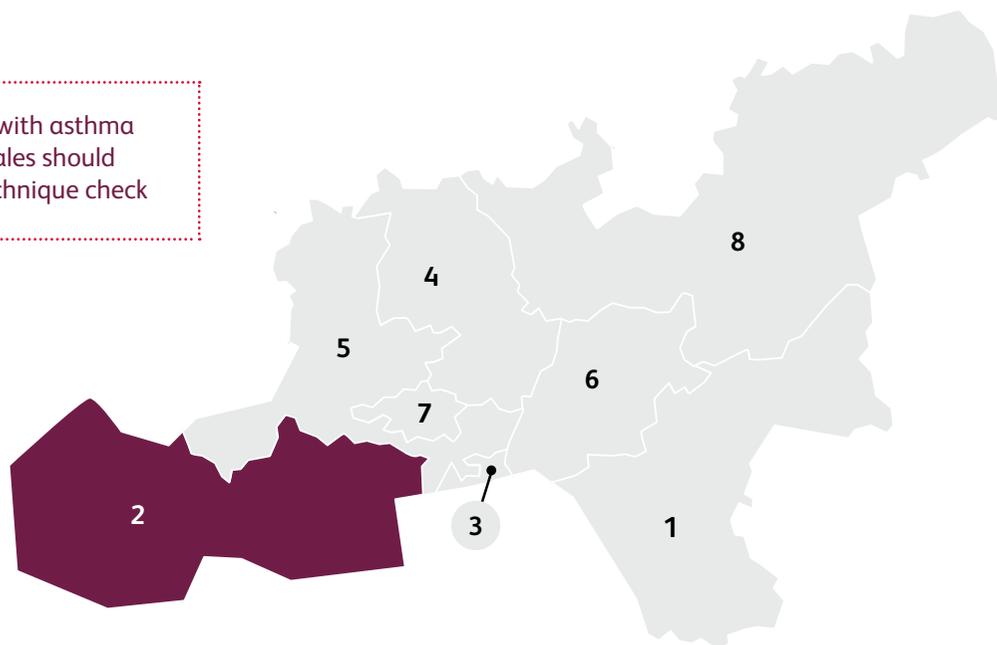
- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 23 Central Wrexham
- 24 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

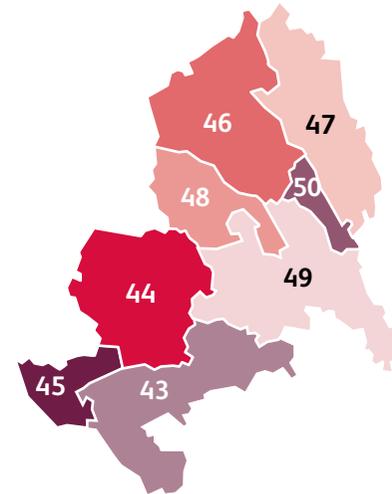
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↶ Back to Wales LHB map](#)

Diagnosing asthma in adults

11	Caerphilly East	20.7%
53	North Ceredigion	26.0%
16	Newport East and North	27.2%
21	Arfon	27.5%
40	Central Vale	31.1%
5	Llchwyr	32.0%
24	Conwy West	36.0%
39	Cardiff West	37.6%
32	North & West Wrexham	37.7%
30	North Denbighshire	38.1%
25	North East Flintshire	38.7%
49	Taf Ely	39.1%
47	Merthyr Tydfil	39.2%
48	Rhondda*	39.7%
20	Anglesey	39.7%
35	Cardiff South East	41.1%
14	Monmouthshire North	41.2%
4	Cwmtawe	41.4%
43	Bridgend East Network	42.6%
37	Cardiff North	42.8%
38	Cardiff South West	42.9%
56	South Pembrokeshire	44.3%
29	South Flintshire	44.4%
7	Penderi	44.4%
51	Amman/Gwendraeth	45.0%
34	Cardiff East	45.8%
13	Caerphilly South	46.6%
28	Meirionnydd	46.7%
46	North Cynon	48.2%
17	Newport West	49.3%
41	Eastern Vale	49.5%
33	Central Wrexham	50.0%
44	Bridgend North Network	50.0%
12	Caerphilly North	50.4%
18	Torfaen North	50.8%
50	South Cynon	52.7%
3	CityHealth	52.8%
52	Llanelli	53.8%
55	South Ceredigion	57.9%
27	North West Flintshire	58.2%
54	North Pembrokeshire	59.0%
26	Dwyfor	60.5%
10	Blaenau Gwent West	63.7%
2	BayHealth	64.4%
57	Taf / Tywi	66.4%
1	Afan	66.7%
45	Bridgend West Network	72.4%



* South Rhondda only. Data for North Rhondda not available due to disclosure issues.

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

National target
80% or more of people with asthma in Wales should be diagnosed

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

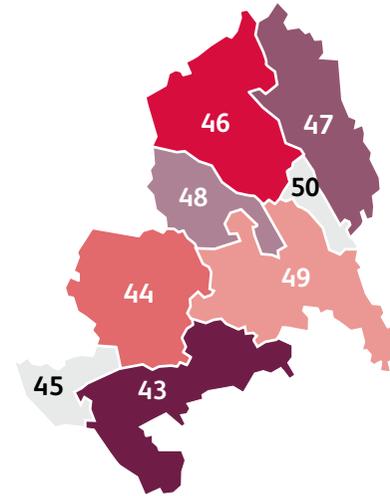
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%	
37	Cardiff North	31.7%	
38	Cardiff South West	32.1%	
12	Caerphilly North	33.0%	
49	Taf Ely	33.1%	
48	Rhondda*	33.6%	
14	Monmouthshire North	36.0%	
44	Bridgend North Network	36.2%	
7	Penderi	38.2%	
16	Newport East and North	39.2%	
1	Afan	40.4%	
46	North Cynon	40.5%	
33	Central Wrexham	40.8%	
6	Neath	44.5%	
13	Caerphilly South	44.5%	
34	Cardiff East	44.7%	
10	Blaenau Gwent West	48.1%	
20	Anglesey	48.8%	
4	Cwmtawe	49.9%	
11	Caerphilly East	54.4%	
3	CityHealth	55.3%	
5	Llwchwr	56.1%	
18	Torfaen North	57.7%	
35	Cardiff South East	57.7%	
47	Merthyr Tydfil†	58.7%	
8	Upper Valleys	60.9%	
52	Llanelli	61.3%	
40	Central Vale	63.6%	
2	BayHealth	69.7%	
43	Bridgend East Network	70.2%	
27	North West Flintshire	85.5%	



National target

Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5

Data not available due to disclosure issues or <10 practices

* South Rhondda only. Data for North Rhondda not available due to disclosure issues.

† North Merthyr Tydfil only. Data for South Merthyr Tydfil not available due to disclosure issues.

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

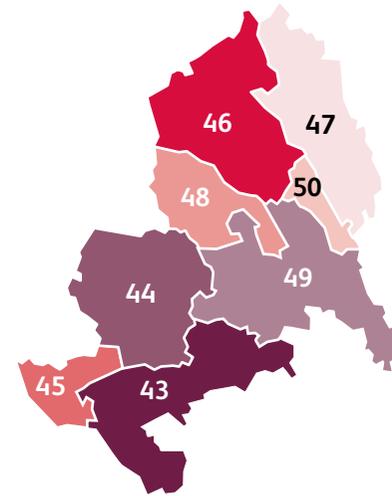
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%	
41	Eastern Vale	10.7%	
47	Merthyr Tydfil	10.8%	
50	South Cynon	10.8%	
7	Penderi	11.2%	
38	Cardiff South West	11.4%	
48	Rhondda	11.4%	
28	Meirionnydd	11.6%	
36	City & Cardiff South	12.6%	
49	Taf Ely	13.8%	
30	North Denbighshire	13.8%	
31	South Wrexham	15.6%	
57	Taf / Tywi	16.8%	
40	Central Vale	16.9%	
53	North Ceredigion	17.8%	
8	Upper Valleys	18.4%	
45	Bridgend West Network	18.6%	
32	North & West Wrexham	19.8%	
19	Torfaen South	20.1%	
25	North East Flintshire	21.0%	
20	Anglesey	22.3%	
18	Torfaen North	22.3%	
55	South Ceredigion	22.7%	
34	Cardiff East	22.9%	
15	Monmouthshire South	23.1%	
13	Caerphilly South	23.3%	
24	Conwy West	23.7%	
29	South Flintshire	23.8%	
33	Central Wrexham	23.9%	
12	Caerphilly North	24.4%	
2	BayHealth	24.8%	
16	Newport East and North	24.9%	
10	Blaenau Gwent West	25.5%	
37	Cardiff North	26.1%	
9	Blaenau Gwent East	26.5%	
4	Cwmtawe	26.6%	
56	South Pembrokeshire	27.3%	
26	Dwyfor	28.1%	
21	Arfon	29.6%	
35	Cardiff South East	30.9%	
52	Llanelli	31.8%	
14	Monmouthshire North	34.3%	
27	North West Flintshire	34.5%	
46	North Cynon	34.9%	
5	Llchwyr	35.8%	
6	Neath	35.9%	



54	North Pembrokeshire	36.2%	
44	Bridgend North Network	36.2%	
3	CityHealth	37.1%	
17	Newport West	37.1%	
22	Central & South Denbighshire	40.7%	
51	Amman/Gwendraeth	41.3%	
39	Cardiff West	42.3%	
43	Bridgend East Network	44.8%	
11	Caerphilly East	55.9%	
23	Conwy East	56.2%	

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 42 Western Vale

National target

50% or more of people with asthma in Wales should have a PAAP

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[⬆ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

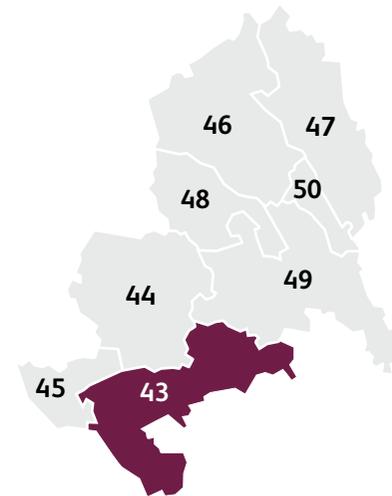
2	BayHealth	23.7%	<div style="width: 23.7%;"></div>
37	Cardiff North	23.9%	<div style="width: 23.9%;"></div>
34	Cardiff East	26.6%	<div style="width: 26.6%;"></div>
52	Llanelli	32.7%	<div style="width: 32.7%;"></div>
17	Newport West	37.3%	<div style="width: 37.3%;"></div>
39	Cardiff West	38.7%	<div style="width: 38.7%;"></div>
43	Bridgend East Network	40.6%	<div style="width: 40.6%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llchwyr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target

50% or more of people with asthma in Wales should have a PAAP

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

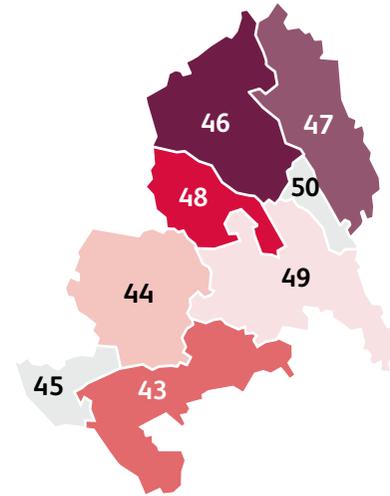
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely*	17.6%
44	Bridgend North Network	18.4%
29	South Flintshire	20.5%
20	Anglesey	21.5%
7	Penderi	23.4%
31	South Wrexham	23.7%
43	Bridgend East Network	25.9%
14	Monmouthshire North	29.3%
38	Cardiff South West	31.3%
37	Cardiff North	32.3%
33	Central Wrexham	32.7%
13	Caerphilly South	33.1%
39	Cardiff West	33.1%
48	Rhondda	33.2%
3	CityHealth	33.9%
47	Merthyr Tydfil	34.3%
2	BayHealth	34.6%
24	Conwy West	34.8%
8	Upper Valleys	35.5%
1	Afan	37.0%
56	South Pembrokeshire	37.2%
51	Amman/Gwendraeth	37.9%
11	Caerphilly East	40.1%
52	Llanelli	41.4%
10	Blaenau Gwent West	44.2%
40	Central Vale	44.5%
46	North Cynon	48.8%
6	Neath	55.6%
27	North West Flintshire	55.7%



National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Data not available due to disclosure issues or <10 practices

* North Taf Ely only. Data for South Taf Ely not available due to disclosure issues.

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

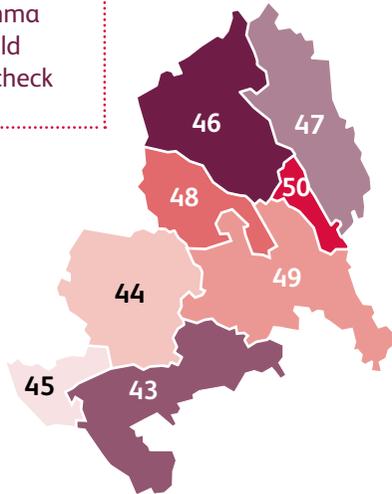
Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with asthma

55	South Ceredigion	4.8%	
15	Monmouthshire South	7.0%	
42	Western Vale	8.0%	
4	Cwmtawe	8.6%	
5	Llchwyr	9.1%	
45	Bridgend West Network	9.2%	
31	South Wrexham	13.1%	
44	Bridgend North Network	13.6%	
49	Taf Ely	14.8%	
53	North Ceredigion	16.6%	
20	Anglesey	16.9%	
21	Arfon	16.9%	
29	South Flintshire	17.3%	
9	Blaenau Gwent East	17.6%	
17	Newport West	17.7%	
26	Dwyfor	18.8%	
39	Cardiff West	18.8%	
54	North Pembrokeshire	19.1%	
25	North East Flintshire	19.8%	
7	Penderi	20.0%	
30	North Denbighshire	20.9%	
47	Merthyr Tydfil	21.7%	
38	Cardiff South West	21.9%	
36	City & Cardiff South	22.0%	
12	Caerphilly North	22.6%	
1	Afan	22.7%	
16	Newport East and North	22.8%	
40	Central Vale	23.2%	
48	Rhondda	24.0%	
8	Upper Valleys	24.2%	
14	Monmouthshire North	24.2%	
19	Torfaen South	24.2%	
22	Central & South Denbighshire	24.3%	
18	Torfaen North	24.3%	
6	Neath	25.8%	
35	Cardiff South East	26.3%	
50	South Cynon	28.3%	
56	South Pembrokeshire	28.9%	
2	BayHealth	29.4%	
37	Cardiff North	32.4%	
41	Eastern Vale	32.6%	
24	Conwy West	33.1%	
34	Cardiff East	33.7%	
13	Caerphilly South	34.7%	
32	North & West Wrexham	36.1%	
11	Caerphilly East	37.2%	

National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check



33	Central Wrexham	39.1%	
3	CityHealth	39.1%	
27	North West Flintshire	40.0%	
28	Meirionnydd	41.3%	
43	Bridgend East Network	41.7%	
52	Llanelli	43.9%	
46	North Cynon	44.0%	
57	Taf / Tywi	56.1%	
10	Blaenau Gwent West	59.4%	
51	Amman/Gwendraeth	60.7%	

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
23	Conwy East

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

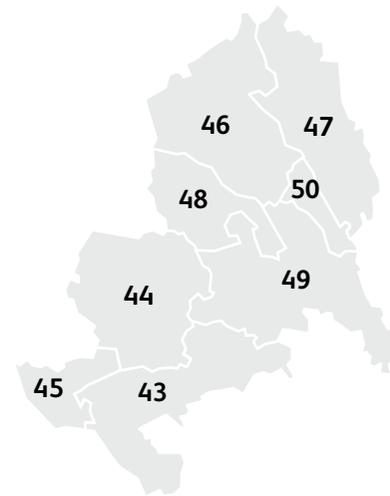
2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

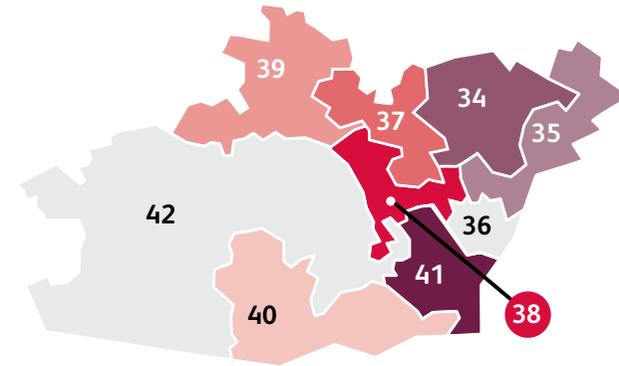
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Diagnosing asthma in adults

11	Caerphilly East	20.7%	
53	North Ceredigion	26.0%	
16	Newport East and North	27.2%	
21	Arfon	27.5%	
40	Central Vale	31.1%	
5	Llchwyr	32.0%	
24	Conwy West	36.0%	
39	Cardiff West	37.6%	
32	North & West Wrexham	37.7%	
30	North Denbighshire	38.1%	
25	North East Flintshire	38.7%	
49	Taf Ely	39.1%	
47	Merthyr Tydfil	39.2%	
48	Rhondda	39.7%	
20	Anglesey	39.7%	
35	Cardiff South East	41.1%	
14	Monmouthshire North	41.2%	
4	Cwmtawe	41.4%	
43	Bridgend East Network	42.6%	
37	Cardiff North	42.8%	
38	Cardiff South West	42.9%	
56	South Pembrokeshire	44.3%	
29	South Flintshire	44.4%	
7	Penderi	44.4%	
51	Amman/Gwendraeth	45.0%	
34	Cardiff East	45.8%	
13	Caerphilly South	46.6%	
28	Meirionnydd	46.7%	
46	North Cynon	48.2%	
17	Newport West	49.3%	
41	Eastern Vale	49.5%	
33	Central Wrexham	50.0%	
44	Bridgend North Network	50.0%	
12	Caerphilly North	50.4%	
18	Torfaen North	50.8%	
50	South Cynon	52.7%	
3	CityHealth	52.8%	
52	Llanelli	53.8%	
55	South Ceredigion	57.9%	
27	North West Flintshire	58.2%	
54	North Pembrokeshire	59.0%	
26	Dwyfor	60.5%	
10	Blaenau Gwent West	63.7%	
2	BayHealth	64.4%	
57	Taf / Tywi	66.4%	
1	Afan	66.7%	
45	Bridgend West Network	72.4%	



National target
80% or more of people with asthma in Wales should be diagnosed

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

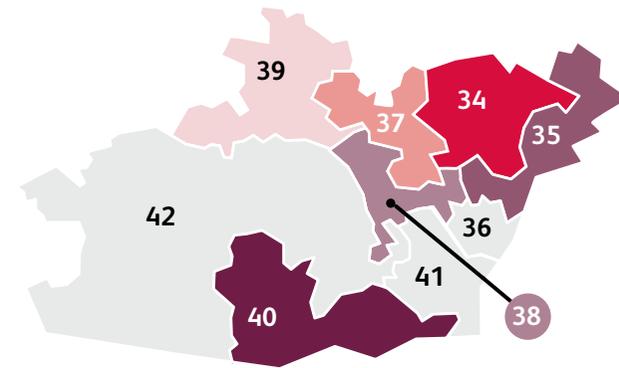
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%
37	Cardiff North	31.7%
38	Cardiff South West	32.1%
12	Caerphilly North	33.0%
49	Taf Ely	33.1%
48	Rhondda	33.6%
14	Monmouthshire North	36.0%
44	Bridgend North Network	36.2%
7	Penderi	38.2%
16	Newport East and North	39.2%
1	Afan	40.4%
46	North Cynon	40.5%
33	Central Wrexham	40.8%
6	Neath	44.5%
13	Caerphilly South	44.5%
34	Cardiff East	44.7%
10	Blaenau Gwent West	48.1%
20	Anglesey	48.8%
4	Cwmtawe	49.9%
11	Caerphilly East	54.4%
3	CityHealth	55.3%
5	Llwchwr	56.1%
18	Torfaen North	57.7%
35	Cardiff South East	57.7%
47	Merthyr Tydfil	58.7%
8	Upper Valleys	60.9%
52	Llanelli	61.3%
40	Central Vale	63.6%
2	BayHealth	69.7%
43	Bridgend East Network	70.2%
27	North West Flintshire	85.5%



National target

Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5

Data not available due to disclosure issues or <10 practices

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

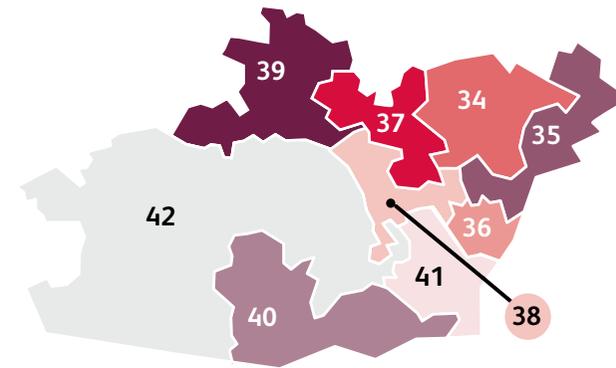
Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%	
41	Eastern Vale	10.7%	
47	Merthyr Tydfil	10.8%	
50	South Cynon	10.8%	
7	Penderi	11.2%	
38	Cardiff South West	11.4%	
48	Rhondda	11.4%	
28	Meirionnydd	11.6%	
36	City & Cardiff South	12.6%	
49	Taf Ely	13.8%	
30	North Denbighshire	13.8%	
31	South Wrexham	15.6%	
57	Taf / Tywi	16.8%	
40	Central Vale	16.9%	
53	North Ceredigion	17.8%	
8	Upper Valleys	18.4%	
45	Bridgend West Network	18.6%	
32	North & West Wrexham	19.8%	
19	Torfaen South	20.1%	
25	North East Flintshire	21.0%	
20	Anglesey	22.3%	
18	Torfaen North	22.3%	
55	South Ceredigion	22.7%	
34	Cardiff East	22.9%	
15	Monmouthshire South	23.1%	
13	Caerphilly South	23.3%	
24	Conwy West	23.7%	
29	South Flintshire	23.8%	
33	Central Wrexham	23.9%	
12	Caerphilly North	24.4%	
2	BayHealth	24.8%	
16	Newport East and North	24.9%	
10	Blaenau Gwent West	25.5%	
37	Cardiff North	26.1%	
9	Blaenau Gwent East	26.5%	
4	Cwmtawe	26.6%	
56	South Pembrokeshire	27.3%	
26	Dwyfor	28.1%	
21	Arfon	29.6%	
35	Cardiff South East	30.9%	
52	Llanelli	31.8%	
14	Monmouthshire North	34.3%	
27	North West Flintshire	34.5%	
46	North Cynon	34.9%	
5	Llchwyr	35.8%	
6	Neath	35.9%	



54	North Pembrokeshire	36.2%	
44	Bridgend North Network	36.2%	
3	CityHealth	37.1%	
17	Newport West	37.1%	
22	Central & South Denbighshire	40.7%	
51	Amman/Gwendraeth	41.3%	
39	Cardiff West	42.3%	
43	Bridgend East Network	44.8%	
11	Caerphilly East	55.9%	
23	Conwy East	56.2%	

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
42	Western Vale

National target
50% or more of people with asthma in Wales should have a PAAP

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

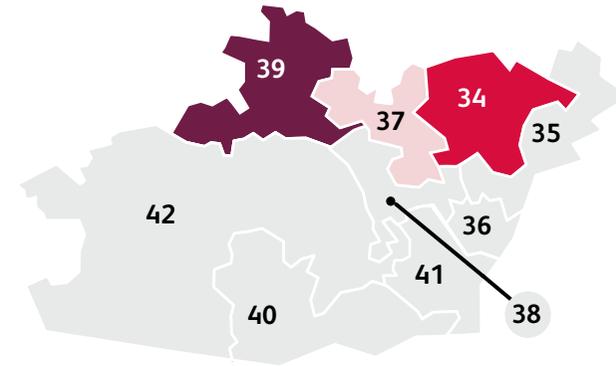
2	BayHealth	23.7%	<div style="width: 23.7%;"></div>
37	Cardiff North	23.9%	<div style="width: 23.9%;"></div>
34	Cardiff East	26.6%	<div style="width: 26.6%;"></div>
52	Llanelli	32.7%	<div style="width: 32.7%;"></div>
17	Newport West	37.3%	<div style="width: 37.3%;"></div>
39	Cardiff West	38.7%	<div style="width: 38.7%;"></div>
43	Bridgend East Network	40.6%	<div style="width: 40.6%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmtawe
- 5 Llchwyr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



Cardiff and Vale LHB

National target
50% or more of people with asthma in Wales should have a PAAP

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

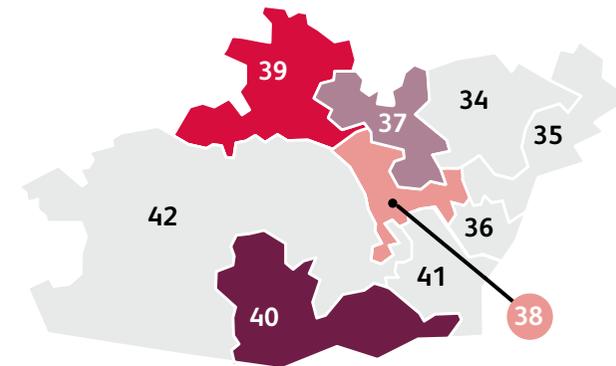
[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely	17.6%	■
44	Bridgend North Network	18.4%	■
29	South Flintshire	20.5%	■
20	Anglesey	21.5%	■
7	Penderi	23.4%	■
31	South Wrexham	23.7%	■
43	Bridgend East Network	25.9%	■
14	Monmouthshire North	29.3%	■
38	Cardiff South West	31.3%	■
37	Cardiff North	32.3%	■
33	Central Wrexham	32.7%	■
13	Caerphilly South	33.1%	■
39	Cardiff West	33.1%	■
48	Rhondda	33.2%	■
3	CityHealth	33.9%	■
47	Merthyr Tydfil	34.3%	■
2	BayHealth	34.6%	■
24	Conwy West	34.8%	■
8	Upper Valleys	35.5%	■
1	Afan	37.0%	■
56	South Pembrokeshire	37.2%	■
51	Amman/Gwendraeth	37.9%	■
11	Caerphilly East	40.1%	■
52	Llanelli	41.4%	■
10	Blaenau Gwent West	44.2%	■
40	Central Vale	44.5%	■
46	North Cynon	48.8%	■
6	Neath	55.6%	■
27	North West Flintshire	55.7%	■

Data not available due to disclosure issues or <10 practices

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		



Cardiff and Vale LHB

National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

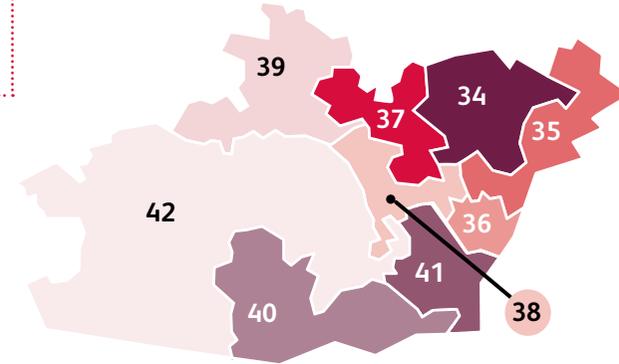
[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with asthma

55	South Ceredigion	4.8%	■
15	Monmouthshire South	7.0%	■
42	Western Vale	8.0%	■
4	Cwmtawe	8.6%	■
5	Llŵchwr	9.1%	■
45	Bridgend West Network	9.2%	■
31	South Wrexham	13.1%	■
44	Bridgend North Network	13.6%	■
49	Taf Ely	14.8%	■
53	North Ceredigion	16.6%	■
20	Anglesey	16.9%	■
21	Arfon	16.9%	■
29	South Flintshire	17.3%	■
9	Blaenau Gwent East	17.6%	■
17	Newport West	17.7%	■
26	Dwyfor	18.8%	■
39	Cardiff West	18.8%	■
54	North Pembrokeshire	19.1%	■
25	North East Flintshire	19.8%	■
7	Penderi	20.0%	■
30	North Denbighshire	20.9%	■
47	Merthyr Tydfil	21.7%	■
38	Cardiff South West	21.9%	■
36	City & Cardiff South	22.0%	■
12	Caerphilly North	22.6%	■
1	Afan	22.7%	■
16	Newport East and North	22.8%	■
40	Central Vale	23.2%	■
48	Rhondda	24.0%	■
8	Upper Valleys	24.2%	■
14	Monmouthshire North	24.2%	■
19	Torfaen South	24.2%	■
22	Central & South Denbighshire	24.3%	■
18	Torfaen North	24.3%	■
6	Neath	25.8%	■
35	Cardiff South East	26.3%	■
50	South Cynon	28.3%	■
56	South Pembrokeshire	28.9%	■
2	BayHealth	29.4%	■
37	Cardiff North	32.4%	■
41	Eastern Vale	32.6%	■
24	Conwy West	33.1%	■
34	Cardiff East	33.7%	■
13	Caerphilly South	34.7%	■
32	North & West Wrexham	36.1%	■
11	Caerphilly East	37.2%	■

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check



33	Central Wrexham	39.1%	■
3	CityHealth	39.1%	■
27	North West Flintshire	40.0%	■
28	Meirionnydd	41.3%	■
43	Bridgend East Network	41.7%	■
52	Llanelli	43.9%	■
46	North Cynon	44.0%	■
57	Taf / Tywi	56.1%	■
10	Blaenau Gwent West	59.4%	■
51	Amman/Gwendraeth	60.7%	■

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 23 Conwy East

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

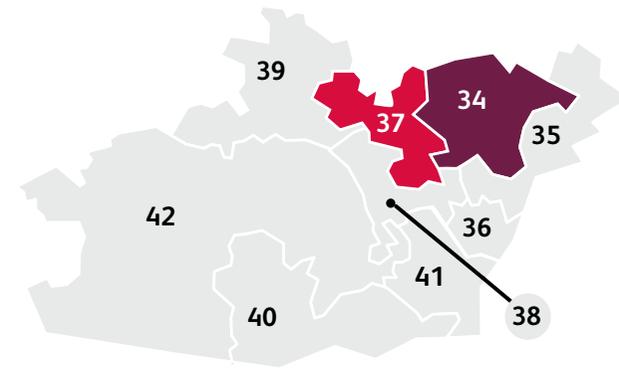
2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



Cardiff and Vale LHB

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

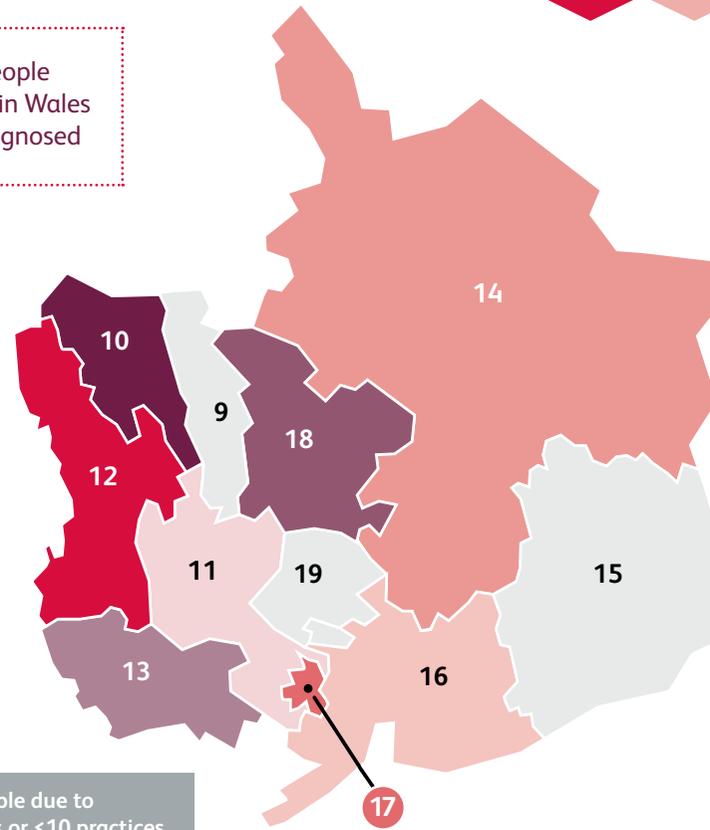
Diagnosing asthma in adults

11	Caerphilly East	20.7%
53	North Ceredigion	26.0%
16	Newport East and North*	27.2%
21	Arfon	27.5%
40	Central Vale	31.1%
5	Llchwyr	32.0%
24	Conwy West	36.0%
39	Cardiff West	37.6%
32	North & West Wrexham	37.7%
30	North Denbighshire	38.1%
25	North East Flintshire	38.7%
49	Taf Ely	39.1%
47	Merthyr Tydfil	39.2%
48	Rhondda	39.7%
20	Anglesey	39.7%
35	Cardiff South East	41.1%
14	Monmouthshire North	41.2%
4	Cwmtawe	41.4%
43	Bridgend East Network	42.6%
37	Cardiff North	42.8%
38	Cardiff South West	42.9%
56	South Pembrokeshire	44.3%
29	South Flintshire	44.4%
7	Penderi	44.4%
51	Amman/Gwendraeth	45.0%
34	Cardiff East	45.8%
13	Caerphilly South	46.6%
28	Meirionnydd	46.7%
46	North Cynon	48.2%
17	Newport West	49.3%
41	Eastern Vale	49.5%
33	Central Wrexham	50.0%
44	Bridgend North Network	50.0%
12	Caerphilly North	50.4%
18	Torfaen North	50.8%
50	South Cynon	52.7%
3	CityHealth	52.8%
52	Llanelli	53.8%
55	South Ceredigion	57.9%
27	North West Flintshire	58.2%
54	North Pembrokeshire	59.0%
26	Dwyfor	60.5%
10	Blaenau Gwent West	63.7%
2	BayHealth	64.4%
57	Taf / Tywi	66.4%
1	Afan	66.7%
45	Bridgend West Network	72.4%

National target

80% or more of people with asthma in Wales should be diagnosed

* Newport East only. Data for Newport North not available due to disclosure issues.



Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 6 Neath
- 8 Upper Valleys
- 9 Blaenau Gwent East
- 15 Monmouthshire South
- 19 Torfaen South
- 22 Central & South Denbighshire
- 23 Conwy East
- 31 South Wrexham
- 36 City & Cardiff South
- 42 Western Vale

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

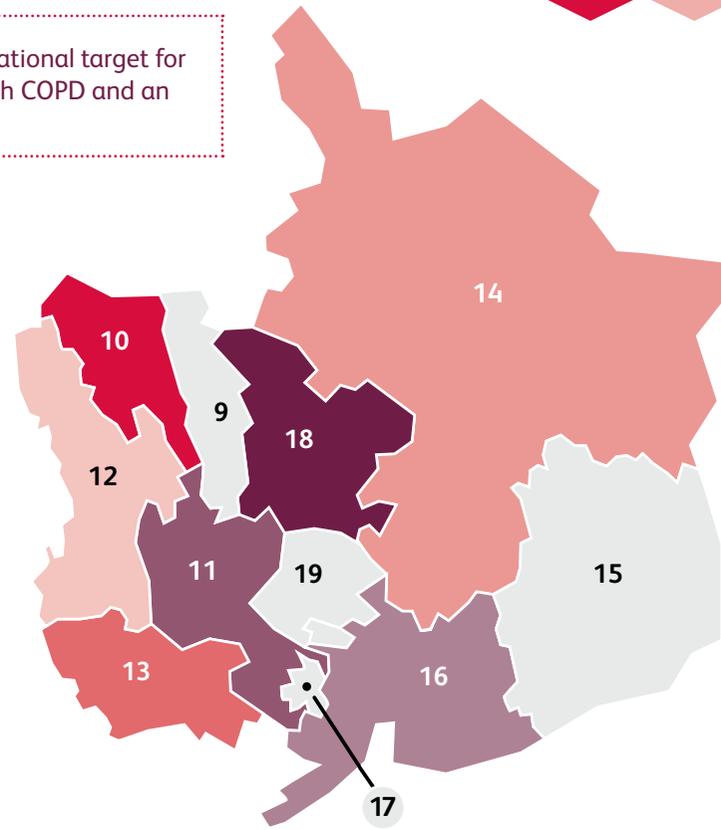
Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

Referral to PR for adults with COPD (all MRC grades)

39	Cardiff West	31.4%
37	Cardiff North	31.7%
38	Cardiff South West	32.1%
12	Caerphilly North	33.0%
49	Taf Ely	33.1%
48	Rhondda	33.6%
14	Monmouthshire North	36.0%
44	Bridgend North Network	36.2%
7	Penderi	38.2%
16	Newport East and North*	39.2%
1	Afan	40.4%
46	North Cynon	40.5%
33	Central Wrexham	40.8%
6	Neath	44.5%
13	Caerphilly South	44.5%
34	Cardiff East	44.7%
10	Blaenau Gwent West	48.1%
20	Anglesey	48.8%
4	Cwmataw	49.9%
11	Caerphilly East	54.4%
3	CityHealth	55.3%
5	Llwchwr	56.1%
18	Torfaen North	57.7%
35	Cardiff South East	57.7%
47	Merthyr Tydfil	58.7%
8	Upper Valleys	60.9%
52	Llanelli	61.3%
40	Central Vale	63.6%
2	BayHealth	69.7%
43	Bridgend East Network	70.2%
27	North West Flintshire	85.5%

National target
Please see [page 5](#) for the national target for referral to PR for people with COPD and an MRC grade 3–5



Data not available due to disclosure issues or <10 practices

* Newport East only. Data for Newport North not available due to disclosure issues.

58	Mid Powys	24	Conwy West	42	Western Vale
59	North Powys	26	Dwyfor	45	Bridgend West Network
60	South Powys	28	Meirionnydd	50	South Cynon
9	Blaenau Gwent East	32	North & West Wrexham	51	Amman/Gwendraeth
15	Monmouthshire South	30	North Denbighshire	53	North Ceredigion
17	Newport West	25	North East Flintshire	54	North Pembrokeshire
19	Torfaen South	29	South Flintshire	55	South Ceredigion
21	Arfon	31	South Wrexham	56	South Pembrokeshire
22	Central & South Denbighshire	36	City & Cardiff South	57	Taf / Tywi
23	Conwy East	41	Eastern Vale		

Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

[Back to Wales LHB map](#)

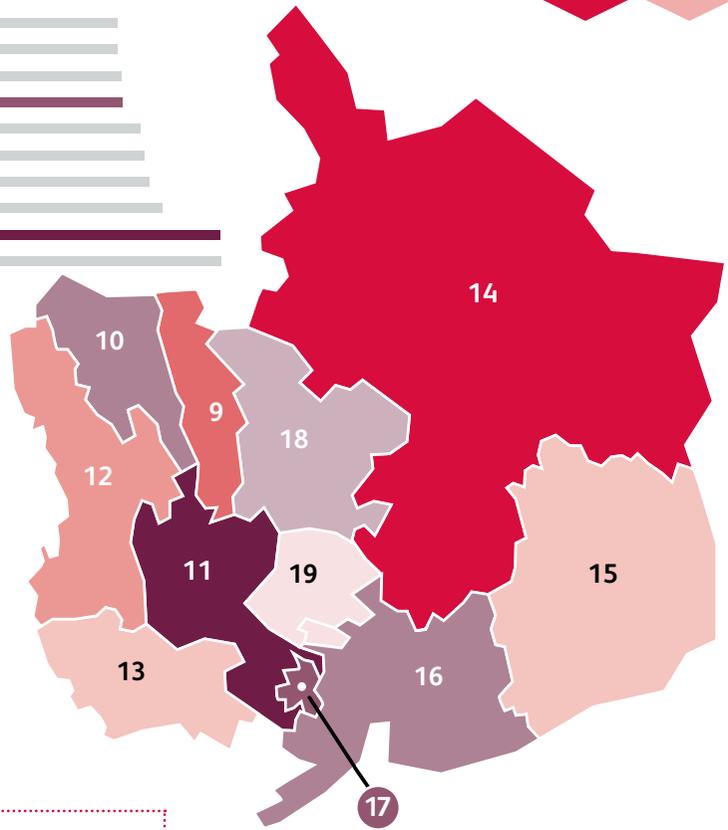
Personalised asthma action plans (PAAP) – Adults with asthma

1	Afan	7.8%		54	North Pembrokeshire	36.2%	
41	Eastern Vale	10.7%		44	Bridgend North Network	36.2%	
47	Merthyr Tydfil	10.8%		3	CityHealth	37.1%	
50	South Cynon	10.8%		17	Newport West	37.1%	
7	Penderi	11.2%		22	Central & South Denbighshire	40.7%	
38	Cardiff South West	11.4%		51	Amman/Gwendraeth	41.3%	
48	Rhondda	11.4%		39	Cardiff West	42.3%	
28	Meirionnydd	11.6%		43	Bridgend East Network	44.8%	
36	City & Cardiff South	12.6%		11	Caerphilly East	55.9%	
49	Taf Ely	13.8%		23	Conwy East	56.2%	
30	North Denbighshire	13.8%					
31	South Wrexham	15.6%					
57	Taf / Tywi	16.8%					
40	Central Vale	16.9%					
53	North Ceredigion	17.8%					
8	Upper Valleys	18.4%					
45	Bridgend West Network	18.6%					
32	North & West Wrexham	19.8%					
19	Torfaen South	20.1%					
25	North East Flintshire	21.0%					
20	Anglesey	22.3%					
18	Torfaen North	22.3%					
55	South Ceredigion	22.7%					
34	Cardiff East	22.9%					
15	Monmouthshire South	23.1%					
13	Caerphilly South	23.3%					
24	Conwy West	23.7%					
29	South Flintshire	23.8%					
33	Central Wrexham	23.9%					
12	Caerphilly North	24.4%					
2	BayHealth	24.8%					
16	Newport East and North	24.9%					
10	Blaenau Gwent West	25.5%					
37	Cardiff North	26.1%					
9	Blaenau Gwent East	26.5%					
4	Cwmtawe	26.6%					
56	South Pembrokeshire	27.3%					
26	Dwyfor	28.1%					
21	Arfon	29.6%					
35	Cardiff South East	30.9%					
52	Llanelli	31.8%					
14	Monmouthshire North	34.3%					
27	North West Flintshire	34.5%					
46	North Cynon	34.9%					
5	Llchwyr	35.8%					
6	Neath	35.9%					

National target
50% or more of people with asthma in Wales should have a PAAP

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 42 Western Vale



- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[⬆ Back to Wales LHB map](#)

Personalised asthma action plans (PAAP) – Children and young people with asthma

2	BayHealth	23.7%
37	Cardiff North	23.9%
34	Cardiff East	26.6%
52	Llanelli	32.7%
17	Newport West	37.3%
39	Cardiff West	38.7%
43	Bridgend East Network	40.6%



Data not available due to disclosure issues or <10 practices

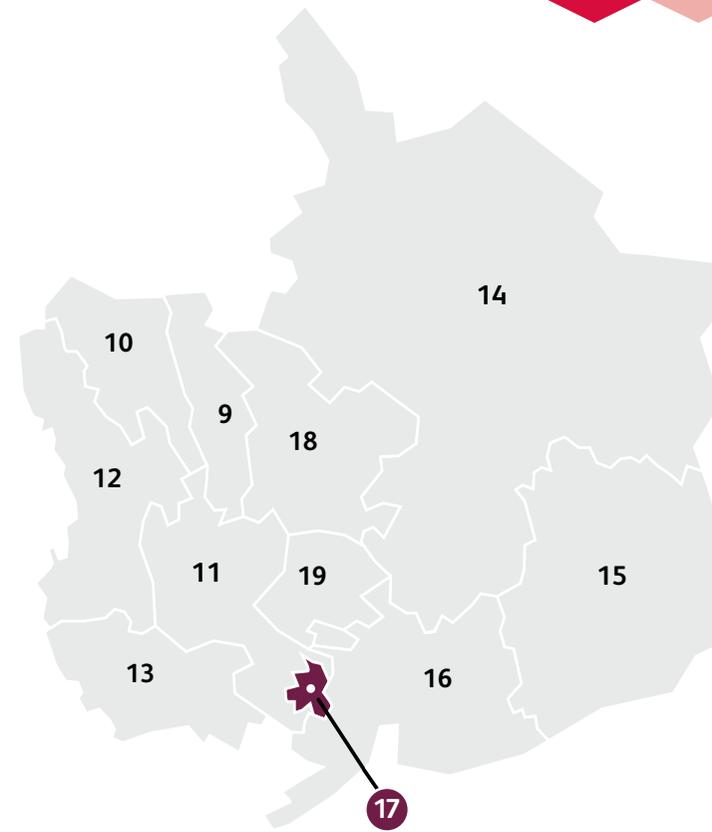
- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 10 Blaenau Gwent West
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 33 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 40 Central Vale
- 36 City & Cardiff South

National target

50% or more of people with asthma in Wales should have a PAAP

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



Diagnosing asthma in adults

Referral to PR for adults with COPD (all MRC grades)

PAAP – Adults with asthma

PAAP – Children and young people with asthma

Inhaler technique check – Adults with COPD

Inhaler technique check – Adults with asthma

Inhaler technique check – Children and young people with asthma

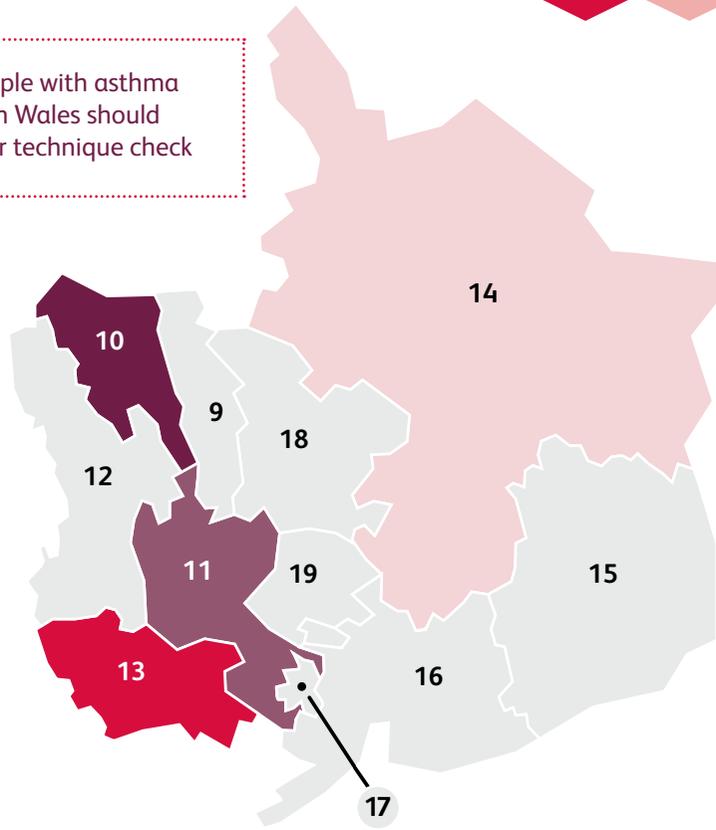
[⬆️ Back to Wales LHB map](#)

Inhaler technique check – Adults with COPD

49	Taf Ely	17.6%
44	Bridgend North Network	18.4%
29	South Flintshire	20.5%
20	Anglesey	21.5%
7	Penderi	23.4%
31	South Wrexham	23.7%
43	Bridgend East Network	25.9%
14	Monmouthshire North	29.3%
38	Cardiff South West	31.3%
37	Cardiff North	32.3%
33	Central Wrexham	32.7%
13	Caerphilly South	33.1%
39	Cardiff West	33.1%
48	Rhondda	33.2%
3	CityHealth	33.9%
47	Merthyr Tydfil	34.3%
2	BayHealth	34.6%
24	Conwy West	34.8%
8	Upper Valleys	35.5%
1	Afan	37.0%
56	South Pembrokeshire	37.2%
51	Amman/Gwendraeth	37.9%
11	Caerphilly East	40.1%
52	Llanelli	41.4%
10	Blaenau Gwent West	44.2%
40	Central Vale	44.5%
46	North Cynon	48.8%
6	Neath	55.6%
27	North West Flintshire	55.7%

National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check



Data not available due to disclosure issues or <10 practices

58	Mid Powys	23	Conwy East	50	South Cynon
59	North Powys	26	Dwyfor	53	North Ceredigion
60	South Powys	28	Meirionnydd	54	North Pembrokeshire
9	Blaenau Gwent East	32	North & West Wrexham	55	South Ceredigion
12	Caerphilly North	30	North Denbighshire	57	Taf / Tywi
15	Monmouthshire South	25	North East Flintshire	4	Cwmtawe
16	Newport East and North	34	Cardiff East	5	Llwchwr
17	Newport West	35	Cardiff South East		
18	Torfaen North	36	City & Cardiff South		
19	Torfaen South	41	Eastern Vale		
21	Arfon	42	Western Vale		
22	Central & South Denbighshire	45	Bridgend West Network		

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[↑ Back to Wales LHB map](#)

Inhaler technique check – Adults with asthma

55	South Ceredigion	4.8%
15	Monmouthshire South	7.0%
42	Western Vale	8.0%
4	Cwmtawe	8.6%
5	Llchwyr	9.1%
45	Bridgend West Network	9.2%
31	South Wrexham	13.1%
44	Bridgend North Network	13.6%
49	Taf Ely	14.8%
53	North Ceredigion	16.6%
20	Anglesey	16.9%
21	Arfon	16.9%
29	South Flintshire	17.3%
9	Blaenau Gwent East	17.6%
17	Newport West	17.7%
26	Dwyfor	18.8%
39	Cardiff West	18.8%
54	North Pembrokeshire	19.1%
25	North East Flintshire	19.8%
7	Penderi	20.0%
30	North Denbighshire	20.9%
47	Merthyr Tydfil	21.7%
38	Cardiff South West	21.9%
36	City & Cardiff South	22.0%
12	Caerphilly North	22.6%
1	Afan	22.7%
16	Newport East and North	22.8%
40	Central Vale	23.2%
48	Rhondda	24.0%
8	Upper Valleys	24.2%
14	Monmouthshire North	24.2%
19	Torfaen South	24.2%
22	Central & South Denbighshire	24.3%
18	Torfaen North	24.3%
6	Neath	25.8%
35	Cardiff South East	26.3%
50	South Cynon	28.3%
56	South Pembrokeshire	28.9%
2	BayHealth	29.4%
37	Cardiff North	32.4%
41	Eastern Vale	32.6%
24	Conwy West	33.1%
34	Cardiff East	33.7%
13	Caerphilly South	34.7%
32	North & West Wrexham	36.1%
11	Caerphilly East	37.2%

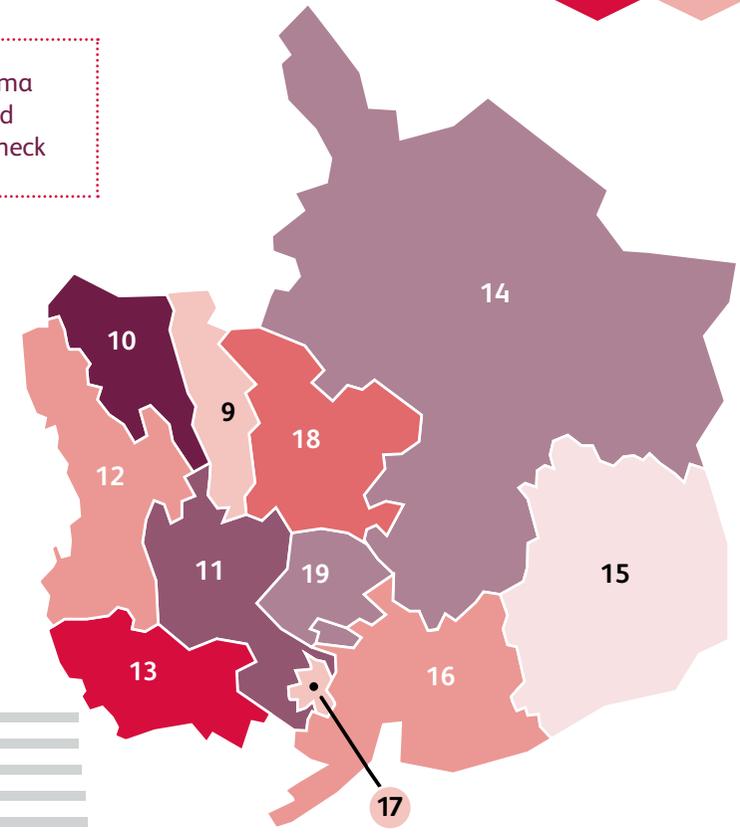
National target

70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

33	Central Wrexham	39.1%
3	CityHealth	39.1%
27	North West Flintshire	40.0%
28	Meirionnydd	41.3%
43	Bridgend East Network	41.7%
52	Llanelli	43.9%
46	North Cynon	44.0%
57	Taf / Tywi	56.1%
10	Blaenau Gwent West	59.4%
51	Amman/Gwendraeth	60.7%

Data not available due to disclosure issues or <10 practices

58	Mid Powys
59	North Powys
60	South Powys
23	Conwy East



- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[⬆ Back to Wales LHB map](#)

Inhaler technique check – Children and young people with asthma

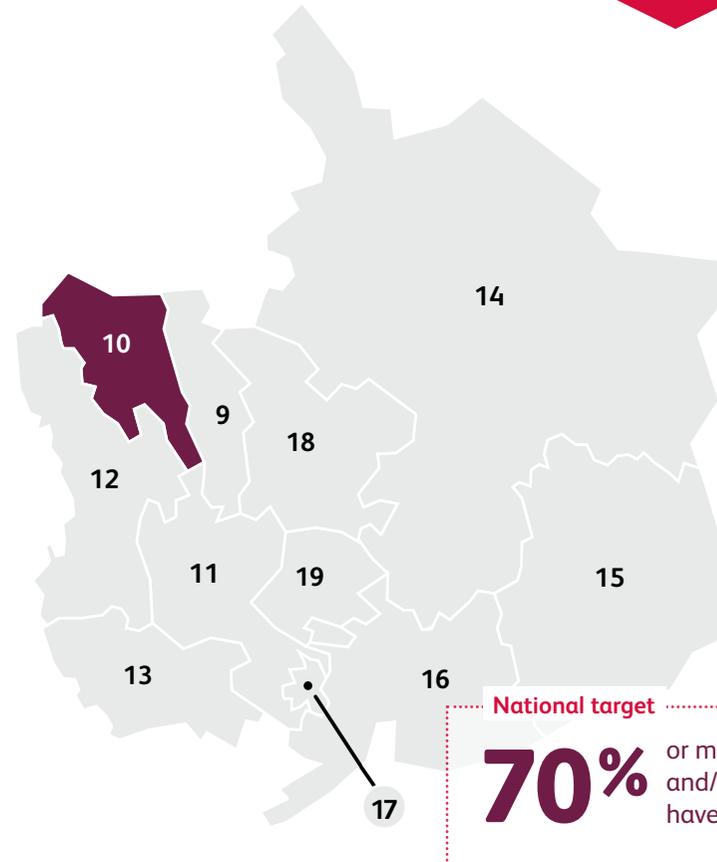
2	BayHealth	30.9%	<div style="width: 30.9%;"></div>
37	Cardiff North	31.2%	<div style="width: 31.2%;"></div>
34	Cardiff East	34.6%	<div style="width: 34.6%;"></div>
52	Llanelli	42.2%	<div style="width: 42.2%;"></div>
10	Blaenau Gwent West	57.1%	<div style="width: 57.1%;"></div>

Data not available due to disclosure issues or <10 practices

- 58 Mid Powys
- 59 North Powys
- 60 South Powys
- 9 Blaenau Gwent East
- 11 Caerphilly East
- 12 Caerphilly North
- 13 Caerphilly South
- 14 Monmouthshire North
- 15 Monmouthshire South
- 16 Newport East and North
- 17 Newport West
- 18 Torfaen North
- 19 Torfaen South
- 20 Anglesey
- 21 Arfon
- 22 Central & South Denbighshire
- 23 Central Wrexham
- 23 Conwy East
- 24 Conwy West
- 26 Dwyfor
- 28 Meirionnydd
- 32 North & West Wrexham
- 30 North Denbighshire
- 25 North East Flintshire
- 27 North West Flintshire
- 29 South Flintshire
- 31 South Wrexham
- 35 Cardiff South East
- 38 Cardiff South West
- 39 Cardiff West
- 40 Central Vale
- 36 City & Cardiff South

Data not available due to disclosure issues or <10 practices

- 41 Eastern Vale
- 42 Western Vale
- 43 Bridgend East Network
- 44 Bridgend North Network
- 45 Bridgend West Network
- 47 Merthyr Tydfil
- 46 North Cynon
- 48 Rhondda
- 50 South Cynon
- 49 Taf Ely
- 51 Amman/Gwendraeth
- 53 North Ceredigion
- 54 North Pembrokeshire
- 55 South Ceredigion
- 56 South Pembrokeshire
- 57 Taf / Tywi
- 1 Afan
- 3 CityHealth
- 4 Cwmatawe
- 5 Llŵchwr
- 6 Neath
- 7 Penderi
- 8 Upper Valleys



National target
70% or more of people with asthma and/or COPD in Wales should have an inhaler technique check

- Diagnosing asthma in adults
- Referral to PR for adults with COPD (all MRC grades)
- PAAP – Adults with asthma
- PAAP – Children and young people with asthma
- Inhaler technique check – Adults with COPD
- Inhaler technique check – Adults with asthma
- Inhaler technique check – Children and young people with asthma

[↶ Back to Wales LHB map](#)

Acknowledgements

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National Asthma and COPD Audit Programme (NACAP)

More than 9 million people live with a diagnosis of asthma or COPD in the UK. NACAP aims to improve the quality of their care, services and clinical outcomes. We do this by supporting and training clinicians, empowering patients and carers, and informing policy. We have a track record of delivery and are critical to assessing progress against the NHS Long Term Plan. For more information visit: www.rcp.ac.uk/nacap.

Healthcare Quality Improvement Partnership (HQIP)

NACAP is commissioned by HQIP as part of the National Clinical Audit and Patient Outcomes Programme (NCAPOP) and works within a governance structure that includes the Programme's Board, Advisory Group and Patient Panel groups. HQIP is led by a consortium of the Academy of Medical Royal Colleges, the Royal College of Nursing, and National Voices. Its aim is to promote quality improvement in patient outcomes, and in particular, to increase the impact that clinical audit, outcome review programmes and registries have on healthcare quality in England and Wales. HQIP holds the contract to commission,

manage and develop NCAPOP, comprising around 40 projects covering care provided to people with a wide range of medical, surgical and mental health conditions. The programme is funded by NHS England, the Welsh Government and, with some with some individual projects, other devolved administrations and crown dependencies: www.hqip.org.uk/national-programmes.

The Royal College of Physicians (RCP)

The RCP plays a leading role in the delivery of high-quality patient care by setting standards of medical practice and promoting clinical excellence. The RCP provides physicians in over 30 medical specialties with education, training and support throughout their careers. As an independent charity representing 40,000 fellows and members worldwide, the RCP advises and works with government, patients, allied healthcare professionals and the public to improve health and healthcare.

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