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Iechyd Cyhoeddus
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Public Health
Wales

Freedom of Information request to Public Health Wales

FOI Reference:	FOI 120
Date request received	3 July 2018
Date information is due to be sent	1 August 2018

Information requested:

Please provide the most recently recorded five year period, broken down into year-by-year data where possible.

Varicella

1. Rates/number of infections of varicella, within age bands where possible, or alternatively providing child/adult split
2. Numbers of adult and number of child patients treated in hospitals and presenting with varicella
3. The length of stay
4. Cost of treatment
5. Use of antibiotics in the treatment of bacterial superinfected varicella (any form of quantification)

6. Numbers of deaths of adults and number of deaths of children
7. Any quantified data relating to number and outcomes of patients presenting with varicella complications with pre-existing conditions

Herpes Zoster

1. Rates/number of infection of herpes zoster, within age bands where possible, or alternatively providing child/adult split
2. Numbers of adult and number of child patients treated in hospital, presenting with herpes zoster
3. The length of stay
4. Cost of treatment
5. Number of deaths of adults and number of deaths of children
6. Any quantified data relating to number and outcomes of patients presenting with shingles with pre-existing conditions

Information provided for the answer:

In regards to Questions 1 & 2 regarding data on rates on Varicella and Herpes, please find the information Public Health Wales holds below in an excel table. This file contains data tables on the cumulative annual GP consultation rates for chicken pox and shingles in sentinel GP practices across Wales over the previous five years. These data have been collected automatically from GP systems using Audit+ software. These figures include all consultations that have been Read coded in sentinel general practice with a diagnoses code relating to chicken pox or shingles. Patients with GP multiple attendances within the same episode may be counted more than once, if new Read codes were recorded for each attendance. Quality and completeness of Read-coding in GP databases relating to shingles and chicken pox are unknown. Data presented here may

underestimate the true number of diagnoses, if not recorded using Read codes. The average of the reported weekly practice population has been used for calculating incidence. The annual numbers of chicken pox and shingles diagnosed in all practices in Wales has been estimated by applying annual sentinel GP consultation rates to Wales population estimates. These estimates will exclude any patients diagnosed in other health care services such as hospitals or consulting with NHS direct.

Table 1: Cumulative sentinel consultation rate for chicken pox per 100,000 practice population by age group, Wales; 2013-2017

Year	Age group	Consultations (n)*	Practice population (n)**	Rate per 100,000 practice population	Estimated number of cases in Wales (n)
2013	<1	72	3267	2203.9	758
2013	1-4	512	15493	3304.7	4771
2013	5-14	273	37300	731.9	2488
2013	15-24	47	48491	96.9	397
2013	25-34	38	44594	85.2	316
2013	35-44	16	44112	36.3	135
2013	45-64	15	93376	16.1	130
2013	65-74	2	37973	5.3	17
2013	75+	4	32630	12.3	33
2014	<1	77	2940	2619.0	881
2014	1-4	525	13643	3848.1	5543
2014	5-14	287	33866	847.5	2893
2014	15-24	36	44111	81.6	331
2014	25-34	37	40833	90.6	339
2014	35-44	15	39406	38.1	139
2014	45-64	18	85328	21.1	172
2014	65-74	2	35666	5.6	19
2014	75+	0	30169	0.0	0

2015	<1	119	3332	3571.4	1198
2015	1-4	749	15165	4939.0	7032
2015	5-14	398	37807	1052.7	3629
2015	15-24	47	46242	101.6	407
2015	25-34	37	44762	82.7	312
2015	35-44	21	43174	48.6	175
2015	45-64	20	95154	21.0	171
2015	65-74	2	40597	4.9	17
2015	75+	2	34509	5.8	16
2016	<1	84	3297	2547.8	850
2016	1-4	502	15311	3278.7	4587
2016	5-14	255	39145	651.4	2279
2016	15-24	33	45682	72.2	284
2016	25-34	25	45766	54.6	210
2016	35-44	11	43606	25.2	90
2016	45-64	23	97653	23.6	194
2016	65-74	2	41686	4.8	17
2016	75+	0	35159	0.0	0
2017	<1	87	3397	2561.1	832
2017	1-4	690	15730	4386.5	6063
2017	5-14	363	41004	885.3	3151
2017	15-24	61	46374	131.5	507
2017	25-34	51	47874	106.5	415
2017	35-44	32	45036	71.1	251
2017	45-64	29	102282	28.4	234
2017	65-74	3	43691	6.9	24
2017	75+	4	37205	10.8	31

* Cumulative totals for age-group and year

** Average of weekly sentinel GP populations, by age group, for each year

Table 2: Cumulative sentinel consultation rate for shingles per 100,000 practice population by age group, Wales; 2013-2017

Year	Age group	Consultations (n)*	Practice population (n)**	Rate per 100,000 practice population	Estimated number of cases in Wales (n)
2013	<1	2	3267	61.2	21
2013	1-4	8	15493	51.6	75
2013	5-14	84	37300	225.2	766
2013	15-24	94	48491	193.9	795
2013	25-34	92	44594	206.3	764
2013	35-44	93	44112	210.8	784
2013	45-64	480	93376	514.1	4168
2013	65-74	289	37973	761.1	2508
2013	75+	347	32630	1063.4	2883
2014	<1	1	2940	34.0	11
2014	1-4	14	13643	102.6	148
2014	5-14	76	33866	224.4	766
2014	15-24	79	44111	179.1	727
2014	25-34	84	40833	205.7	770
2014	35-44	112	39406	284.2	1035
2014	45-64	422	85328	494.6	4024
2014	65-74	312	35666	874.8	2961
2014	75+	303	30169	1004.3	2775
2015	<1	4	3332	120.0	40

2015	1-4	16	15165	105.5	150
2015	5-14	96	37807	253.9	875
2015	15-24	104	46242	224.9	900
2015	25-34	137	44762	306.1	1154
2015	35-44	128	43174	296.5	1069
2015	45-64	608	95154	639.0	5213
2015	65-74	387	40597	953.3	3299
2015	75+	411	34509	1191.0	3319
2016	<1	3	3297	91.0	30
2016	1-4	22	15311	143.7	201
2016	5-14	82	39145	209.5	733
2016	15-24	78	45682	170.7	672
2016	25-34	148	45766	323.4	1241
2016	35-44	133	43606	305.0	1086
2016	45-64	564	97653	577.6	4747
2016	65-74	374	41686	897.2	3164
2016	75+	357	35159	1015.4	2863
2017	<1	2	3397	58.9	19
2017	1-4	18	15730	114.4	158
2017	5-14	101	41004	246.3	877
2017	15-24	99	46374	213.5	823
2017	25-34	119	47874	248.6	968
2017	35-44	135	45036	299.8	1058
2017	45-64	643	102282	628.7	5199
2017	65-74	445	43691	1018.5	3632
2017	75+	391	37205	1050.9	3012

* Cumulative totals for age-group and year

** Average of weekly sentinel GP populations, by age group, for each year

In regards to your other questions for both Chicken Pox and Herpes Public Health Wales does not hold this data directly, it would be held at the individual Health Boards in Wales who's details can be found here, or nationally by NWIS.

Abertawe Bro Morgannwg University Health Board

[http://www.wales.nhs.uk/sitesplus/863/page/39302#Freedom of Information Act inquiries](http://www.wales.nhs.uk/sitesplus/863/page/39302#Freedom_of_Information_Act_inquiries)

Aneurin Bevan University Health Board

<http://www.wales.nhs.uk/sitesplus/866/page/39187>

Betsi Cadwaladr University Health Board

<http://www.wales.nhs.uk/sitesplus/861/page/39134>

Cardiff and Vale University Health Board

<http://www.cardiffandvaleuhb.wales.nhs.uk/freedom-of-information-new>

Cwm Taf University Health Board

<http://cwmtaf.wales/foi/>

Hywel Dda University Health Board

<http://www.wales.nhs.uk/sitesplus/862/page/52085>

Powys Teaching Health Board

<http://www.powysthb.wales.nhs.uk/freedom-of-information>

There is also a national database of patients entering into hospital called PEDW, this data is owned and controlled by the all Wales Informatics service (NWIS). This organisation can be contacted at <http://www.wales.nhs.uk/ourservices/directory/NationalProgrammesandServices>

If you are unhappy with the service you have received in relation to your request and wish to make a complaint or request a review of the decision, you should write to the Corporate Complaints Manager, Public Health Wales NHS Trust, 3, Number 2, Capital Quarter, Tyndall Street, Cardiff, CF10 4BZ.

If you are not content with the outcome of your complaint or review, you may apply directly to the Information Commissioner for a decision. Generally, the ICO cannot make a decision unless you have exhausted the complaints procedure provided by the Trust. The Information Commissioner can be contacted at:

Information Commissioner for Wales

2nd Floor
Churchill House
Churchill Way
Cardiff
CF10 2HH

Telephone: 029 2067 8400

Email: wales@ico.org.uk