

## Specification

### Shingles Vaccine Uptake Reporting Specification Collection 2013/2014

Section 1, Patient selection criteria, and Section 2, Clinical data extraction criteria, define the data that is to be processed using the Ruleset defined in Section 3 and Indicators in Section 4. CHART provides the opportunity for practices to check the information before it is submitted to PRIMIS and ImmForm.

This specification is also provided to GP Suppliers to enable submission of data to be standardised and quality assured nationally.

**This specification is for vaccine uptake monitoring purposes only. It is important that it is not used for recall or payment purposes.**

**The University of Nottingham cannot take any responsibility or liability for use of this specification for any purpose other than its intended use for the Shingles Vaccine Uptake Monitoring Programme.**

## **Introductory Guidance**

Within this specification, we have attempted to translate the higher level subjective clinical guidance given within the Green Book, into the language of the two main Clinical Coding Terminologies currently used in Primary Care, to give a very specific and objective specification that is practical to implement for all GP IT clinical system suppliers in a consistent way.

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## Dataset Specification

RUN\_DAT is defined as: The date of data extraction

REF\_DAT is defined as: 31<sup>st</sup> August 2014

START\_DAT is defined as: 1<sup>st</sup> September 2013

### 1) Patient selection criteria:

a) Registration status:

<u>Current registration status</u>	<u>Qualifying criteria</u>
Currently registered for GMS	Most recent registration date < (REF_DAT)
Previously registered for GMS	Any sequential pairing of registration date and deregistration date where both of the following conditions are met: registration date < (REF_DAT); and deregistration date >= (REF_DAT)

b) Qualifying Criteria:

<u>Action</u>	<u>Criteria</u>
Include	START_AGE ≥ 67 years AND ≤ 79 years

**2) Clinical data extraction criteria:**

**Patient Details**

<i>Field Number</i>	<i>Field name</i>	<i>Data item</i>	<i>Qualifying criteria</i>
1	PAT_ID	Patient ID number	Unconditional
Note	The Patient ID is displayed in CHART for practices at a local level. The Patient ID is not extracted.		
2	START_AGE	Patients age (years) at START_DAT	Unconditional
Note	The Patient age is used to determine the age cohort of the patient. The patient age is displayed in CHART for practice information.		
3	PAT_SEX	Patients Gender	Unconditional
Note	Patient sex is extracted for the gender indicator		
4	REG_DAT	Date of patient registration	Latest ≤ REF_DAT
Note	The Registration date is displayed in CHART for practices at a local level. The Registration date is not extracted		

Immunosuppression

<u>Field Number</u>	<u>Field name</u>	<u>Data item</u>		<u>Qualifying criteria</u>
		<i>Read codes v2</i>	<i>Read codes v3</i>	
5	HZVAC_IMMRX	h1%, h2%, h3, h31%, h32, h321, h322, h325 - h32C, h32v - h32z, h35%, h36%, h39 - h3F, h3I%, h4%, h5, h51 - h5K, h5M%, h8%, hh, hh1 - hhM, hhN1, hhN2, hh0 - hhi, j51%, j52%, j59%	j59..%, x005B%, x01AQ, h8...%, x01AR, h1...%, h2...%, h3..., h3D..%, h3E..%, h3F..%, h3I..%, x01Aa, h34B., h341.%, h34A.%, h34G., h34y.%, h34z.%, h34H., h34C.%, h342.%, h343., h344.%, h345., h346.%, h347., h348., h34c.%, h349.%, h34w.%, h34a.%, h34x.%, h34b.%, x000q, x000r, h34g., h34o., h34n., h34L., h34M., h34N., h340., h34P., h34Q., h34R., h34S., h34T., h34U., h34V., h34W., h34X., h34Y., h34Z., h3C.%, h39..%, x01Ab, h5D..%, h33z.%, h332., h33y., h5A..%, h35..%, x01Ac, h31..%, h32., h325., h326., h327., h328.%, h32A., h32B.%, h32x.%, h32y.%, h32z., x00Nu, x00Nv, x031f, h36..%, h3A..%, h3B..%, h4...%, h41..%, h5..., h51..%, h52..%, h53..%, h55..%, h57..%, h58..%, h59..%, h5B..%, h5C..%, h5E..%, h5H..%, h5I..%, h5K..%, hh..., hhF..%, hhJ..%, hhK..%, hhI..%, hhH..%, hhG..%, hhL..%, hhM..%, hhN1., hhN2., hhO..%, hhP..%, hhQ..%, hhR..%, hhS..%, hhT..%, hhU..%, hhV..%, hhW..%, hhX..%, hhY..%, hhZ..%, hha..%, hhb..%, hhc..%, hhd..%, hhe..%, hhf..%, hhg..%, hhh..%	LATEST ≥ (START_DAT - 6M) AND LATEST ≤ REF_DAT

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			hh1..%, hh2..%, hh3..%, hh5..%, hh6..%, hh7..%, hh8..%, hh9..%, hhA..%, hhB..%, hhD..%, hhE..%, x01Ai%, x031P%, x05Zz%, x01An, h7..., h81..%, h82..%, h83.., h83B., h83C., h83D., h83E., h83F., h83G., h83H., h83I., h83J., h83t., h83u., h83v., x05cm%, x05cn%, h84..%, h85..%, h86..%, h87..%, h88..%, h8A..%, h8B..%, h8C..%, ha5..%, n8...%, x004B%, x0083%, x00AR%, x04wS%, x05sE%, x02MQ%	
		<i>(Immunosuppression medication codes)</i>		
6	HZVAC_IMM_RX_DAT	Date of HZVAC_IMM_RX		Chosen Record
Note	These are <b>NOT</b> the same IMMRX codes as in the Seasonal Influenza Vaccine Uptake Reporting Specification Collection 2014/2015			
7	IMMDX	<p style="text-align: center;"><i>Read codes v2</i></p> <p>2J30, 2J31, 43C3, A788%, A789%, AyuC%, B6%, B937W, ByuD%, ByuH6 - ByuH8, ByuHD, C332, C332z, C333%, C37yE, D41y1, D41y2, F38, F380%, F381%, F383 - F38z, Fyu8, Fyu80, Fyu83 - Fyu85</p>	<p style="text-align: center;"><i>Read codes v3</i></p> <p>43C3., B623.%, B625.%, B6z0., F38.., X00Cb%, F3812%, Xa0Ku%, X00Cn, X00Cq%, F380., X00Ct, X00Cv%, F3800, F3801, F380z, Fyu83, Fyu84, Fyu85, X00Cw, F3810, X00Cy, F381.%, F383., F38z., Fyu8.%, XE15o, XaB9K, XE18V, Ua14c, Ua19z, X70M6%, X78e1, ByuH6, ByuH7, ByuH8, X20Fr, X78e6%, XE1vo%, XE20P, Xa0Sr%, Xa0Ty, Xaan6</p>	Latest ≤ REF_DAT
		<i>(Immunosuppression diagnosis codes)</i>		
Note	The patient is included if any immunosuppressant Read code is recorded			
8	IMMDX_DAT	Date of IMMDX		Chosen Record

### Vaccinations, Contraindications and Declined

<u>Field Number</u>	<u>Field name</u>	<u>Data item</u>		<u>Qualifying criteria</u>
9	HZVACC_ADMIN	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest ≥ START_DAT And ≤ REF_DAT
		65FY%	XaZsM, Xaa9g	
		<i>(Shingles vaccination codes - admin)</i>		
10	HZVACC_ADMIN_DAT	Date of HZVACC_ADMIN		Chosen Record
11	HZVACC_RX	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest ≥ START_DAT And ≤ REF_DAT
		n4v, n4v1, n4v4	n4v.., n4v4., x05fT, n4v1.	
		<i>(Shingles vaccination medication codes)</i>		
12	HZVACC_RX_DAT	Date of HZVACC_RX	Chosen Record	Chosen Record
13	HZVACC_DECL	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest ≥ START_DAT And ≤ REF_DAT
		68Nv, 8IE1	Xaa9j, Xaa9l	
		<i>(Shingles vaccination declined)</i>		
14	HZVACC_DECL_DAT	Date of HZVACC_DECL		Chosen Record
15	HZVACC_CONTRA	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest ≤ REF_DAT
		14LB, 8I2r, U60K6	14LB., Xa5rr, Xa5xv, Xaa9i, Xaaiw	
		<i>(Shingles vaccination contraindication or intolerance codes)</i>		
16	HZVACC_CONTRA_DAT	Date of HZVACC_CONTRA		Chosen Record



**Ethnicity**

<u>Field Number</u>	<u>Field name</u>	<u>Data item</u>		<u>Qualifying criteria</u>
17	ETH2001_WHIBRIT_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i0%	XaJQv%	
		<i>White British Ethnicity</i>		
18	ETH2001_WHIBRIT_DAT	Date of ETH2001_WHIBRIT_COD		Chosen Record
19	ETH2001_WHIIRISH_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i1%	XaJQw%	
		<i>White Irish Ethnicity</i>		
20	ETH2001_WHIIRISH_DAT	Date of ETH2001_WHIIRISH_COD		Chosen Record
21	ETH2001_WHIOOTHER_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i2%	XaJQx%	
		<i>White – Any other White background Ethnicity</i>		
22	ETH2001_WHIOOTHER_DAT	Date of ETH2001_WHIOOTHER_COD		Chosen Record
23	ETH2001_MXDWHIBLK_CAR_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i3	XaJQy	
		<i>Mixed – White and Black Caribbean Ethnicity</i>		
24	ETH2001_MXDWHIBLK_CAR_DAT	Date of ETH2001_MXDWHIBLK_CAR_COD		Chosen Record
25	ETH2001_MXDWHIBLK_AFR_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i4	XaJQz	
		<i>Mixed – White and Black African Ethnicity</i>		

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26	ETH2001_MXDWHIBLK_AFR_DAT	Date of ETH2001_MXDWHIBLKAFR_COD		Chosen Record
27	ETH2001_MXDWHIASN_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i5	XaJR0	
		<i>Mixed – White and Asian Ethnicity</i>		
28	ETH2001_MXDWHIASN_DAT	Date of ETH2001_MXDWHIASN_COD		
29	ETH2001_MXDOTHER_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i6%	XaJR1%	
		<i>Mixed – Any other mixed background Ethnicity</i>		
30	ETH2001_MXDOTHER_DAT	Date of ETH2001_MXDOTHER_COD		Chosen Record
31	ETH2001_ASNINDIAN_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i7	XaJR2	
		<i>Asian or Asian British – Indian Ethnicity</i>		
32	ETH2001_ASNINDIAN_DAT	Date of ETH2001_ASNINDIAN_COD		Chosen Record
33	ETH2001_ASNPAK_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i8	XaJR3	
		<i>Asian or Asian British – Pakistani Ethnicity</i>		
34	ETH2001_ASNPAK_DAT	Date of ETH2001_ASNPAK_COD		Chosen Record
35	ETH2001_ASNBANG_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9i9	XaJR4	
		<i>Asian or Asian British – Bangladeshi Ethnicity</i>		
36	ETH2001_ASNBANG_DAT	Date of ETH2001_ASNBANG_COD		Chosen Record

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37	ETH2001_ASNOTHER_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iA%	XaJR5%	
		<i>Asian or Asian British – Any other Asian background Ethnicity</i>		
38	ETH2001_ASNOTHER_DAT	Date of ETH2001_ASNOTHER_COD		Chosen Record
39	ETH2001_BLKCARIB_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iB	XaJR6	
		<i>Black or Black British – Caribbean Ethnicity</i>		
40	ETH2001_BLKCARIB_DAT	Date of ETH2001_BLKCARIB_COD		Chosen Record
41	ETH2001_BLKAFRIC_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iC	XaJR7	
		<i>Black or Black British – African Ethnicity</i>		
42	ETH2001_BLKAFRIC_DAT	Date of ETH2001_BLKAFRIC_COD		Chosen Record
43	ETH2001_BLKOTH_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iD%	XaJR8%	
		<i>Black or Black British – Any other Black background Ethnicity</i>		
44	ETH2001_BLKOTH_DAT	Date of ETH2001_BLKOTH_COD		Chosen Record
45	ETH2001_CHINESE_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iE	XaJR9	
		<i>Other ethnic groups – Chinese Ethnicity</i>		
46	ETH2001_CHINESE_DAT	Date of ETH2001_CHINESE_COD		Chosen Record
47	ETH2001_OTHER_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iF%	XaJRA%	

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		<i>Other ethnic groups – Any other ethnic group Ethnicity</i>		
48	ETH2001_OTHER_DAT	Date of ETH2001_OTHER_COD		Chosen Record
49	ETH2001_NOTSTATED_D_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9iG	XaJRB	
		<i>Ethnicity not stated</i>		
50	ETH2001_NOTSTATED_D_AT	Date of ETH2001_NOTSTATEDD_COD		Chosen Record
51	ETH2001_NORECORD_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9SE	XaE4C	
		<i>Ethnicity not recorded</i>		
52	ETH2001_NORECORD_DAT	Date of ETH2001_NORECORD_COD		Chosen Record
53	ETH2001_NOTGIVPTR_EF_COD	<i>Read codes v2</i>	<i>Read codes v3</i>	Latest<= RUN_DAT
		9SD	XaE4B	
		<i>Ethnicity not given – patient refused</i>		
54	ETH2001_NOTGIVPTR_EF_DAT	Date of ETH2001_NOTGIVPTREF_COD		Chosen Record

## Grouping Rules

### Ruleset to define grouping of data extraction criteria

<b>1</b>	<b>Routine Cohort - (Those aged 70 at Start Date)</b>		<b>True</b>	<b>False</b>
	ROUTINE_COHORT	IF START_AGE = 70	<i>Select</i>	<i>Reject</i>

<b>2</b>	<b>Catch-up Cohort - (Those aged 79 at Start Date)</b>		<b>True</b>	<b>False</b>
	CATCH_UP_COHORT	IF START_AGE =79	<i>Select</i>	<i>Reject</i>

<b>3</b>	<b>Future Catch-up Cohorts</b>		
	<b>3a</b>	<b>Catch-up Cohort aged 78</b>	START_AGE = 78
	<b>3b</b>	<b>Catch-up Cohort aged 77</b>	START_AGE = 77
	<b>3c</b>	<b>Catch-up Cohort aged 76</b>	START_AGE = 76
	<b>3d</b>	<b>Catch-up Cohort aged 75</b>	START_AGE = 75
	<b>3e</b>	<b>Catch-up Cohort aged 74</b>	START_AGE = 74
	<b>3f</b>	<b>Catch-up Cohort aged 73</b>	START_AGE = 73
	<b>3g</b>	<b>Catch-up Cohort aged 72</b>	START_AGE = 72
	<b>3h</b>	<b>Catch-up Cohort aged 71</b>	START_AGE = 71
	<b>3i</b>	<b>Catch-up Cohort aged 69</b>	START_AGE = 69
	<b>3j</b>	<b>Catch-up Cohort aged 68</b>	START_AGE = 68
	<b>3k</b>	<b>Catch-up Cohort aged 67</b>	START_AGE = 67

<b>4</b>	<b>Gender Bands</b>	
	<b>Band 1 (male)</b>	PAT_SEX = M
	<b>Band 2 (female)</b>	PAT_SEX = F
	<b>Band 3 (unspecified)</b>	PAT_SEX = U
	<b>Band 4 (unknown)</b>	PAT_SEX = NULL

**Note:** From a MIQUEST perspective, U represents “unspecified or unknown” and therefore MIQUEST cannot distinguish between bands 3 and 4 above. If, when reporting flu figures, system suppliers are able to distinguish between unspecified genders and unknown genders, then they should use both bands 3 and 4.

<b>5</b>	<b>ETHNICITY BANDS</b>	<b>True</b>	<b>False</b>	<b>BOX B</b>
Rule 1	ETH2001_WHIBRIT_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 1	<i>Next</i>	ETH2001_WHIBRIT_DAT
Rule 2	ETH2001_WHIRISH_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 2	<i>Next</i>	ETH2001_WHIRISH_DAT
Rule 3	ETH2001_WHIOTHER_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 3	<i>Next</i>	ETH2001_WHIOTHER_DAT
Rule 4	ETH2001_MXDWHIBLKCAR_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 4	<i>Next</i>	ETH2001_MXDWHIBLKCAR_DAT
Rule 5	ETH2001_MXDWHIBLKAFR_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 5	<i>Next</i>	ETH2001_MXDWHIBLKAFR_DAT
Rule 6	ETH2001_MXDWHIASN_DAT DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 6	<i>Next</i>	ETH2001_MXDWHIASN_DAT
Rule 7	ETH2001_MXDOTHER_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 7	<i>Next</i>	ETH2001_MXDOTHER_DAT
Rule 8	ETH2001_ASNINDIAN_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 8	<i>Next</i>	ETH2001_ASNINDIAN_DAT
Rule 9	ETH2001_ASNPAK_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 9	<i>Next</i>	ETH2001_ASNPAK_DAT
Rule 10	ETH2001_ASNBANG_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 10	<i>Next</i>	ETH2001_ASNBANG_DAT
Rule 11	ETH2001_ASNOTHER_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 11	<i>Next</i>	ETH2001_ASNOTHER_DAT
Rule 12	ETH2001_BLKCARIB_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 12	<i>Next</i>	ETH2001_BLKCARIB_DAT
Rule 13	ETH2001_BLKAFRIC_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 13	<i>Next</i>	ETH2001_BLKAFRIC_DAT
Rule 14	ETH2001_BLKOTH_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 14	<i>Next</i>	ETH2001_BLKOTH_DAT
Rule 15	ETH2001_CHINESE_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 15	<i>Next</i>	ETH2001_CHINESE_DAT
Rule 16	ETH2001_OTHER_DAT >= DATES OF ETHNICITY CATEGORIES IN BOX B	Band = 16	<i>Next</i>	ETH2001_OTHER_DAT
Rule 17	ETH2001_NOTGIVPTREF_DAT <> NULL	Band = 17	<i>Next</i>	
Rule 18	ETH2001_NOTSTATED_DAT <> NULL	Band = 18	Band = 19	

**Note:** Band 19 represents “Ethnicity not recorded”. The rules will allocate a patient to this band if they have no ethnicity code at all, or if they only have an “Ethnicity not recorded” code on their record.

The above rules ensure that if a patient has given their ethnicity, then at a later date, has either a “refused”, “not stated” or “not known” ethnicity code, the earlier ethnicity code will be used.

In the unlikely event that a patient has two of the ethnicity codes in box B on the same day, the code that appears highest up box B will be used.

Where a patient has a “Refused” code, this is used even if there are later dated “Not stated” or “Not known” codes. Similarly if a patient has a “Not stated” code, this is used even if there is a later dated “not known” code.

<b>6</b>	<b>Patients vaccinated</b>		<b>True</b>	<b>False</b>
	SHINGLES_VAX_GROUP	IF HZVACC_ADMIN_DAT <> NULL	<i>Select</i>	<i>Next</i>
		IF HZVACC_RX_DAT <> NULL	<i>Select</i>	<i>Reject</i>

<b>7</b>	<b>Patients with Immunosuppression</b>		<b>True</b>	<b>False</b>
	IMMUNO_GROUP	IF HZVAC_IMMRX_DAT <> NULL	<i>Select</i>	<i>Next</i>
		IF IMMIDX_DAT <> NULL	<i>Select</i>	<i>Reject</i>

**Note:** The patient can have either a prescription code or a diagnosis code to be included in the Immunosuppression Group

<b>8</b>	<b>Patients with other Contraindication</b>		<b>True</b>	<b>False</b>
	CONTRA_GROUP	IF IMMUNOGROUP <> NULL	<i>Reject</i>	<i>Next</i>
		HZVACC_CONTRA_DAT <> NULL	<i>Select</i>	<i>Reject</i>

<b>9</b>	<b>Patients declined or refused</b>		<b>True</b>	<b>False</b>
	HZVACC_DECL_GROUP	IF SHINGLES_VAX_GROUP <> NULL	<i>Reject</i>	<i>Next</i>
		IF HZVACC_DECL_DAT <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 1a, 1b, 1c, 1d and 1e

### Vaccine uptake for Routine Cohort

#### 1 BREAKDOWN

No further breakdown of the denominator and numerator figures below is required

#### 1 DENOMINATOR:

1	Patients aged 70 at Start Date	<b>True</b>	<b>False</b>
	IF ROUTINE_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 1 NUMERATORS:

1a	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

1b	Patients contraindicated because of Immunosuppression	<b>True</b>	<b>False</b>
	IF IMMUNO_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

1c	Other contraindicated	<b>True</b>	<b>False</b>
	IF CONTRA_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

1d	Contraindicated and vaccinated	<b>True</b>	<b>False</b>
	IF IMMUNO_GROUP <> NULL OR CONTRA_GROUP <> NULL	<i>Next</i>	<i>Reject</i>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

1e	Declined or refused	<b>True</b>	<b>False</b>
	IF HZVACC_DECL_GROUP <> NULL	<i>Select</i>	<i>Reject</i>



## Indicator 2a, 2b, 2c, 2d and 2e

### Vaccine uptake for Catch Up Cohort

#### 2 BREAKDOWN

No further breakdown of the denominator and numerator figures below is required

#### 2 DENOMINATOR:

2	Patients aged 79 at Start Date	<b>True</b>	<b>False</b>
	IF CATCH_UP_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 2 NUMERATORS:

2a	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

2b	Patients contraindicated because of Immunosupression	<b>True</b>	<b>False</b>
	IF IMMUNO_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

2c	Other contraindicated	<b>True</b>	<b>False</b>
	IF CONTRA_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

2d	Contraindicated and vaccinated	<b>True</b>	<b>False</b>
	IF IMMUNO_GROUP <> NULL OR CONTRA_GROUP <> NULL	<i>Next</i>	<i>Reject</i>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

2e	Declined or refused	<b>True</b>	<b>False</b>
	IF HZVACC_DECL_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 3

### Vaccine uptake for Future Catch Up Cohorts

#### 3 BREAKDOWN

Denominator and Numerator Output to be broken down by Future catch-up cohorts group.

#### 3 DENOMINATOR:

3	Patients in Future catch-up cohorts	<b>True</b>	<b>False</b>
	IF START_AGE <= 78 AND START_AGE >= 67 AND START_AGE <> 70	<i>Select</i>	<i>Reject</i>

#### 3 NUMERATOR:

3	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 4

### Vaccine uptake by gender – Routine Cohort

#### 4 BREAKDOWN

Denominator and Numerator Output to be broken down by Gender Bands 1 - 4

#### 4 DENOMINATOR:

4	Patients aged 70 at Start Date	<b>True</b>	<b>False</b>
	IF ROUTINE_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 4 NUMERATOR:

4	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 5

### Vaccine uptake by gender – Catch Up Cohort

#### 5 BREAKDOWN

Denominator and Numerator Output to be broken down by Gender Bands 1 - 4

#### 5 DENOMINATOR:

5	Patients aged 79 at Start Date	<b>True</b>	<b>False</b>
	IF CATCH_UP_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 5 NUMERATOR:

5	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 6

### Vaccine uptake by ethnicity – Routine Cohort

#### 6 BREAKDOWN

Denominator and Numerator Output to be broken down by Ethnicity Bands 1 - 19

#### 6 DENOMINATOR:

6	Patients aged 70 at Start Date	<b>True</b>	<b>False</b>
	IF ROUTINE_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 6 NUMERATOR:

6	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

## Indicator 7

### Vaccine uptake by ethnicity – Catch Up Cohort

#### 7 BREAKDOWN

Denominator and Numerator Output to be broken down by Ethnicity Bands 1 - 19

#### 7 DENOMINATOR:

7	Patients aged 79 at Start Date	<b>True</b>	<b>False</b>
	IF CATCH_UP_COHORT <> NULL	<i>Select</i>	<i>Reject</i>

#### 7 NUMERATOR:

7	Shingles vaccination given from START_DAT to REF_DAT	<b>True</b>	<b>False</b>
	IF SHINGLES_VAX_GROUP <> NULL	<i>Select</i>	<i>Reject</i>

**Change Log**

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Change summary</b>
1.2	11 <sup>th</sup> June 2014	DE	Release version
1.3	30 <sup>th</sup> July 2013	TM	Declined Time Period changed from:  Latest ≤ START_DAT to Latest ≥ START_DAT AND ≤ REF_DAT  Amendment of Field 61 [ETH2001_WHIBRIT_COD] 5 byte from 9i00 to 9i0% CTV3 from XaQEa to XaJQv%
2.0	6 <sup>th</sup> August 2014	TM	Release

**Please note:**