

# **IPT 6 Guidance**

## **Cancer Waiting Times**

**Information and technology**  
**for better health and care**

# Contents

- 6 Scenarios Allocation Logic ..... 3
- IPT Data Set ..... 5
- Data Content for submission files ..... 5
- Matching Sending and Receiving Trust Transfers ..... 6
- Linking Transfers ..... 7
- Minimum Patient Record Data Required ..... 9
- Transfer Use Cases..... 9
  - One Transfer ..... 10
  - Two Transfers ..... 13
  - Three Transfers ..... 17
  - Example IPT Allocation Calculation ..... 22
- IPT Validation Rules ..... 24
- 31 Day Rare Allocation Logic..... 29

## 6 Scenarios Allocation Logic

Scenario	Scenario					62-day wait						38-day wait		24-day wait	
						Investigating Provider (IP)			Treating Provider (TP)			Investigating Provider (IP)		Treating Provider (TP)	
	62-day wait (overall pathway)	38-day wait (investigative phase)	24-day wait (treatment commencement phase)	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Contribution to Numerator	Contribution to Denominator		
1	IF: Success	Success	Success	THEN: 0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	
2	IF: Success	Success	Breach	THEN: 0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0	1	
3	IF: Success	Breach	Success	THEN: 0	0	0	1	1	1	1	0	1	1	1	
4	IF: Breach	Success	Breach	THEN: 0	0	0	0	1	1	1	1	1	0	1	
5	IF: Breach	Breach	Success	THEN: 0	1	1	0	0	0	0	0	1	1	1	
6	IF: Breach	Breach	Breach	THEN: 0	0.5	0.5	0	0.5	0.5	0	0	1	0	1	

Where there are multiple investigating providers:

1. The first step is to identify a single investigating provider to be 'accountable' for the investigation phase:
  - If the period from referral received to last transfer to treatment is 38 days or less (the '38 day' investigative phase):
    - The provider who has cumulatively spent the shortest amount of time with the patient is identified as the 'accountable' investigating provider.
    - If two or more providers saw the patient for the same amount of time, of those providers the one who saw the patient first is identified as the 'accountable' investigating provider.
    - If the period from referral received to the last transfer to treatment is over 38 days (the '38 day' investigative phase):
      - The provider who has cumulatively spent the longest amount of time with the patient is identified as the 'accountable' investigating provider.
      - If two or more providers saw the patient for the same amount of time, of those providers the one who saw the patient last is identified as the 'accountable' investigating provider.

- The allocation is then applied, attributing the patient cases as described in *Table 1* for the scenarios 1 to 6.

2. If a provider is involved in the investigative stage, and is also the treating provider (with another provider involved in between) the provider is considered separately in the calculations for responsibility for investigation and for treatment.

Scenario				62-day wait									38-day wait						24-day wait		
				First Investigating Provider (FIP)			Second Investigating Provider (SIP)			Treating provider (TP)			First Investigating Provider (FIP)			Second investigating provider (SIP)			Treating Provider (TP)		
	62-day wait (overall pathway)	38-day wait (investigative phase)	24-day wait (treatment commencement phase)	THEN:	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation		
1a	IF: Success	Success, and FIP>SIP	Success	THEN:	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	1	1	1		
1b/c	IF: Success	Success, and FIP<=SIP	Success	THEN:	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	1	1	1	0	0	0		
2a	IF: Success	Success, and FIP>SIP	Breach	THEN:	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	1	1	1		
2b/c	IF: Success	Success, and FIP<=SIP	Breach	THEN:	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	1	1	1	0	0	0		
3a	IF: Success	Breach, and FIP>SIP	Success	THEN:	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0		
3b/c	IF: Success	Breach, and FIP<=SIP	Success	THEN:	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1		
4a	IF: Breach	Success, and FIP>SIP	Breach	THEN:	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1		
4b/c	IF: Breach	Success, and FIP<=SIP	Breach	THEN:	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0		
5a	IF: Breach	Breach, and FIP>SIP	Success	THEN:	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0		
5b/c	IF: Breach	Breach, and FIP<=SIP	Success	THEN:	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1		
6a	IF: Breach	Breach, and FIP>SIP	Breach	THEN:	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	0	1	1	0	0	0		
6b/c	IF: Breach	Breach, and FIP<=SIP	Breach	THEN:	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	1	1	1		

Where there are more than 2 investigating providers the same logic applies of identifying the investigating provider with the shortest length to attribute success, and the longest length to attribute a breach.

In the event of a tie:

- for a transfer to the treating provider in excess of 38 days, the latest provider of the tying investigating providers is identified as the investigating provider and would be accountable for any breach of the 62 day standard
- for a transfer to the treating provider within 38 days, the earliest provider of the tying investigating providers is identified as the investigating provider and would be accountable for any success of the 62 day standard

## IPT Data Set

CWTID	Order	Column Name	Format
CWT025	39	REFERRAL REQUEST RECEIVED DATE (INTER-PROVIDER TRANSFER)	AN10 CCYY-MM-DD
CWT201	41	SERVICE REQUESTED DATE (INTER-PROVIDER TRANSFER)	AN10 CCYY-MM-DD
CWT203	42	ORGANISATION IDENTIFIER (REFERRING)	MIN AN3 MAX AN6
CWT204	43	ORGANISATION IDENTIFIER (RECEIVING)	MIN AN3 MAX AN5
CWT205	44	CANCER TRANSFER REFERRING REASON (INTER-PROVIDER TRANSFER)	AN2
CWT206	45	CANCER TRANSFER RECEIVING REASON (INTER-PROVIDER TRANSFER)	AN2

## Data Content for submission files

Each transfer should come into the system in two parts with each trust submitting the above data items as follows:

### SENDING TRUST

Column Name	Required?	Description
ORGANISATION IDENTIFIER (REFERRING)	MANDATORY	Code of the referring trust
ORGANISATION IDENTIFIER (RECEIVING)	MANDATORY	Receiving trust code (that the patient is being sent to)
SERVICE REQUESTED DATE (INTER-PROVIDER TRANSFER)	MANDATORY	Date when the patient was sent

Column Name	Required?	Description
CANCER TRANSFER REFERRING REASON (INTER-PROVIDER TRANSFER)	OPTIONAL	Reason for transfer

### RECEIVING TRUST

Column Name	Required?	Description
ORGANISATION IDENTIFIER (REFERRING)	MANDATORY	Code of the trust that had referred the patient
ORGANISATION IDENTIFIER (RECEIVING)	MANDATORY	Code of the trust that had received the patient
REFERRAL REQUEST RECEIVED DATE (INTER-PROVIDER TRANSFER)	MANDATORY	Date of when the patient was received and accepted by the trust
CANCER TRANSFER RECEIVING REASON (INTER-PROVIDER TRANSFER)	OPTIONAL	Reason for receiving the patient

## Matching Sending and Receiving Trust Transfers

Data similarities required in order to match Sending and Receiving halves of transfers

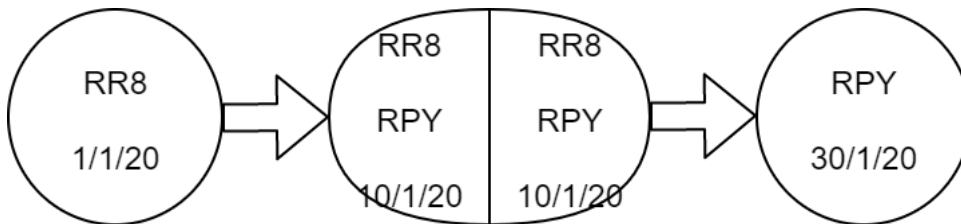
Sending Trust		Receiving Trust
ORGANISATION IDENTIFIER (REFERRING)	=	ORGANISATION IDENTIFIER (REFERRING)
ORGANISATION IDENTIFIER (RECEIVING)	=	ORGANISATION IDENTIFIER (RECEIVING)
SERVICE REQUESTED DATE (INTER-PROVIDER TRANSFER)	<=	REFERRAL REQUEST RECEIVED DATE (INTER-PROVIDER TRANSFER)

If the intention was to create 1 transfer with a sending half and a receiving half, but the org codes or dates do not match as above, then a 2nd transfer will be created, but a link will not be calculated - resulting in fallback to 5050 allocation

## Linking Transfers

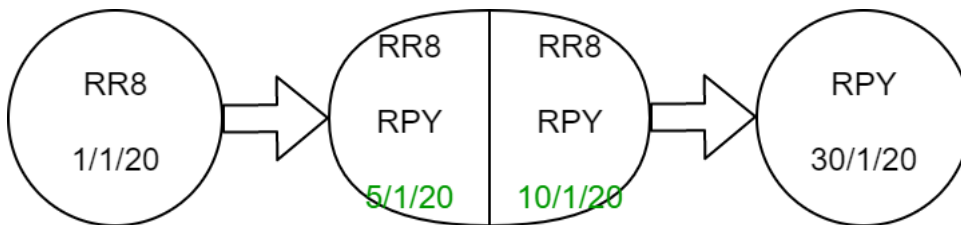
### **IPT Allocation rules applied**

Single complete IPT transfer, IPT allocation applied

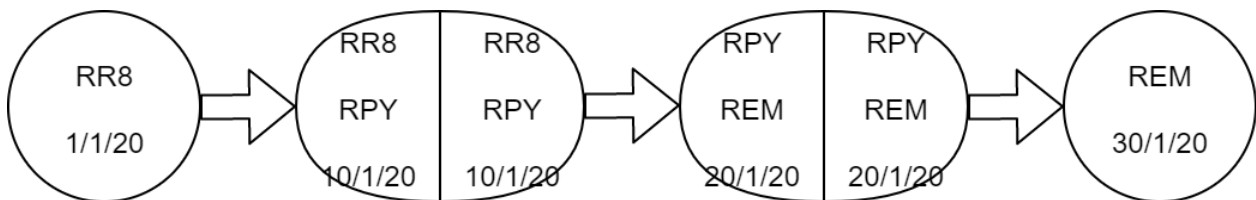


Single complete IPT transfer, SERVICE REQUESTED DATE is less than REFERRAL REQUEST RECEIVED DATE ,IPT allocation applied

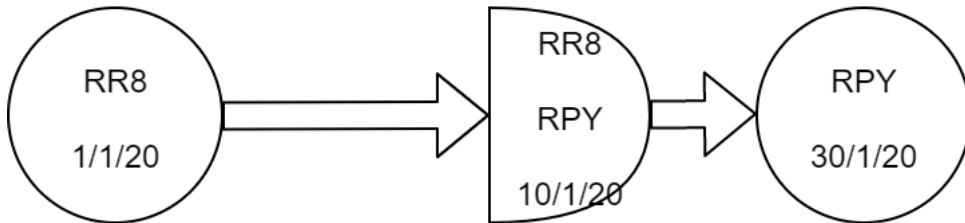
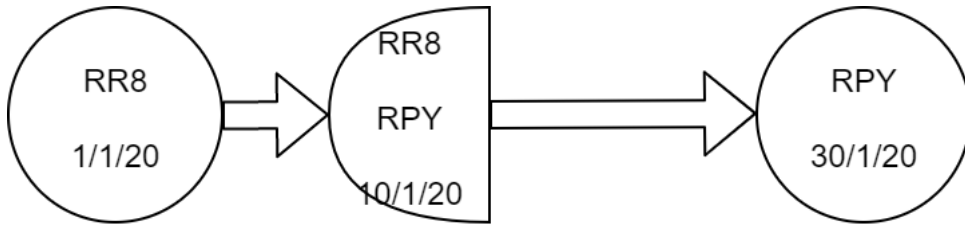
in this case, the RRRD would be used as a priority for date diff calculations



Multiple complete IPT transfer, IPT allocation applied

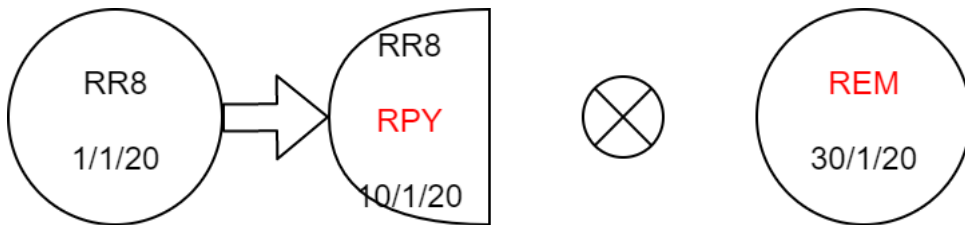


Incomplete transfer, IPT allocation applied

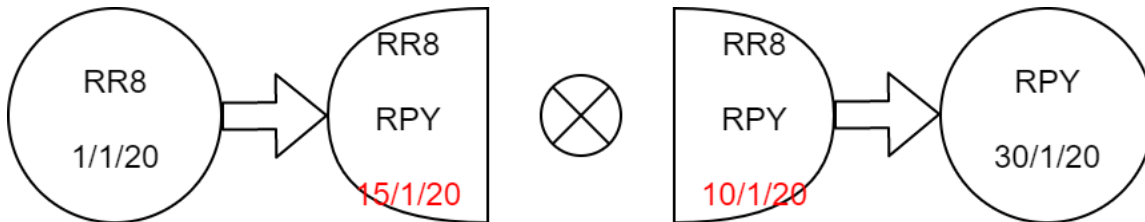


**Fallback to 5050**

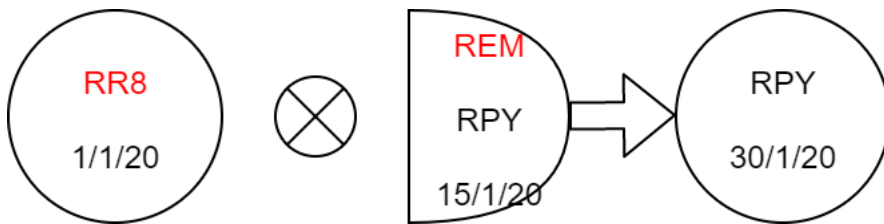
Missing transfer, assumed as orgs don't match, fallback to 5050



Missing transfer, assumed as SERVICE REQUESTED DATE is **NOT** less than or equal to REFERRAL REQUEST RECEIVED DATE, fallback to 5050



Missing transfer, assumed as orgs don't match, fallback to 5050



## Minimum Patient Record Data Required

1	<ul style="list-style-type: none"><li>• NHS NUMBER</li><li>• CANCER REFERRAL TO TREATMENT PERIOD START DATE</li><li>• PATIENT PATHWAY IDENTIFIER</li></ul>
2	<ul style="list-style-type: none"><li>• NHS NUMBER</li><li>• CANCER TREATMENT PERIOD START DATE</li><li>• PATIENT PATHWAY IDENTIFIER</li></ul>
3	<ul style="list-style-type: none"><li>• NHS NUMBER</li><li>• CANCER TREATMENT PERIOD START DATE or CANCER REFERRAL TO TREATMENT PERIOD START DATE</li><li>• PATIENT PATHWAY IDENTIFIER</li><li>• CANCER EVENT TYPE</li></ul>
4	<ul style="list-style-type: none"><li>• NHS NUMBER</li><li>• CANCER TREATMENT PERIOD START DATE or CANCER REFERRAL TO TREATMENT PERIOD START DATE</li><li>• PATIENT PATHWAY IDENTIFIER</li><li>• TREATMENT START DATE (CANCER) and CANCER TREATMENT EVENT TYPE and CANCER TREATMENT MODALITY</li></ul>
<b>No</b>	<b>Field Combination</b>

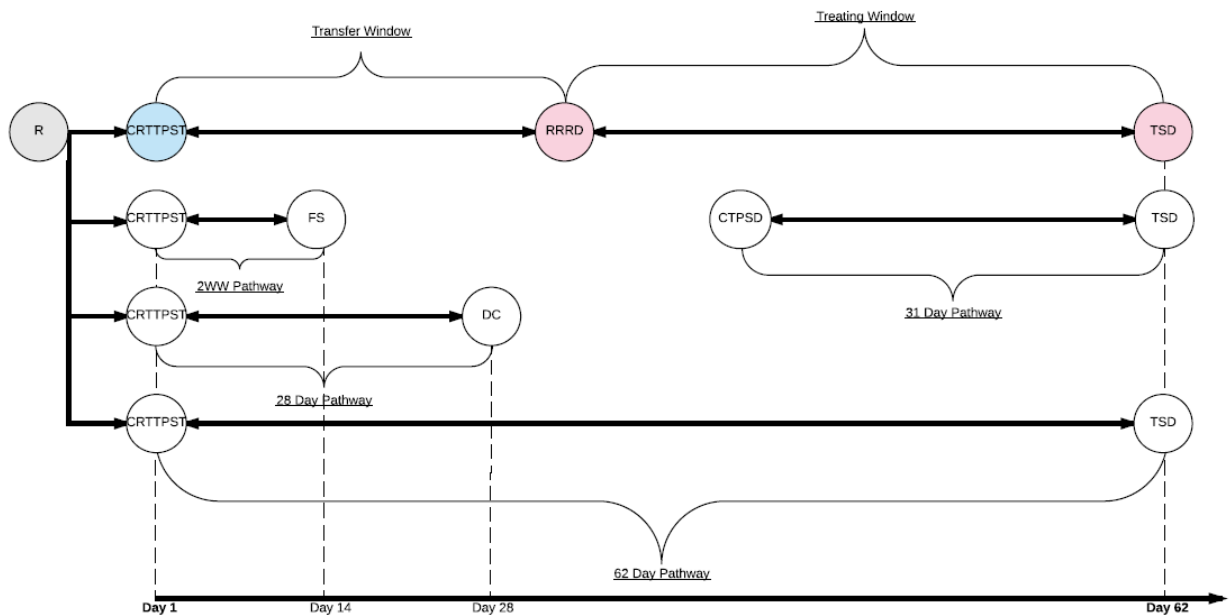
## Transfer Use Cases

## One Transfer



**One IPT Transfer:** Patient is seen at Trust A, which also performs tests and investigation. Afterwards, Patient is sent for treatment (to Trust called 'Treat').

## Timeline



## Minimum IPT Data Set

### Trust A (Referring a Patient)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		

CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT008</b>	<b>Referral</b>	<b>Cancer Referral To Treatment Period Start Date</b>	<b>2017-09-01</b>	<b>IPT38, IPT62</b>
CWT012	First Seen	Date First Seen	2017-09-05	
CWT013	First Seen	Organisation Identifier (Of Provider First Seen)	RR800	
<b>CWT014</b>	<b>First Seen</b>	<b>Waiting Time Adjustment (First Seen)</b>	<b>0</b>	<b>IPT38, IPT62</b>
CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-10	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR801	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	04	

**NOTE: Can be sent as two separate files.**

#### **Treating Trust (Receiving a Patient)**

<b>CWT ID</b>	<b>Data Category</b>	<b>Column Name</b>	<b>Sample Data</b>	<b>Breach Type</b>
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-21</b>	<b>IPT38, IPT24</b>

CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR801	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	04	
CWT023	Treatment	Cancer Treatment Period Start Date	2017-09-23	
CWT024	Treatment	Organisation Site Identifier (Of Provider Cancer Decision To Treat)	RR800	
<b>CWT026</b>	<b>Treatment</b>	<b>Treatment Start Date (Cancer)</b>	<b>2017-09-24</b>	<b>IPT24, IPT62</b>
CWT027	Treatment	Organisation Site Identifier (Of Provider Cancer Treatment Start Date)	RR801	
<b>CWT035</b>	<b>Treatment</b>	<b>Waiting Time Adjustment (Treatment)</b>	<b>0</b>	<b>IPT24, IPT62</b>

#### Breach Calculations

##### *IPT38*

Data Item	Trust	ID
Referral Request Received Date (Inter-Provider Transfer)	T	T.RRRD
Cancer Referral To Treatment Period Start Date	A	A.CRTPSD
Waiting Time Adjustment (First Seen)	A	A.WTA (FS)
<b>Non Breach: T.RRRD - A.CRTPSD - A.WTA (FS) ≤ 38 Days</b>		
<b>Breach: T.RRRD - A.CRTPSD - A.WTA (FS) &gt; 38 Days</b>		

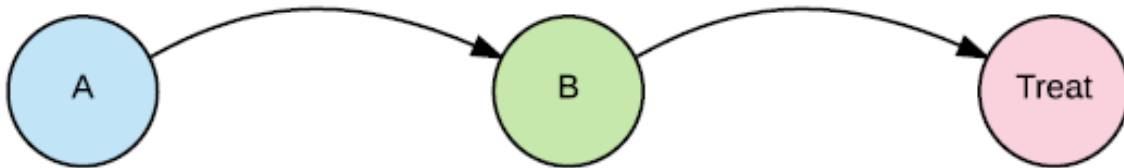
##### *IPT24*

Data Item	Trust	ID
Treatment Start Date (Cancer)	T	T.TSD
Referral Request Received Date (Inter-Provider Transfer)	T	T.RRRD
Waiting Time Adjustment (Treatment)	T	T.WTA (T)
<b>Non Breach: T.TSD - T.RRRD - T.WTA (T) ≤ 24 Days</b>		
<b>Breach: T.TSD - T.RRRD - T.WTA (T) &gt; 24 Days</b>		

### *IPT62*

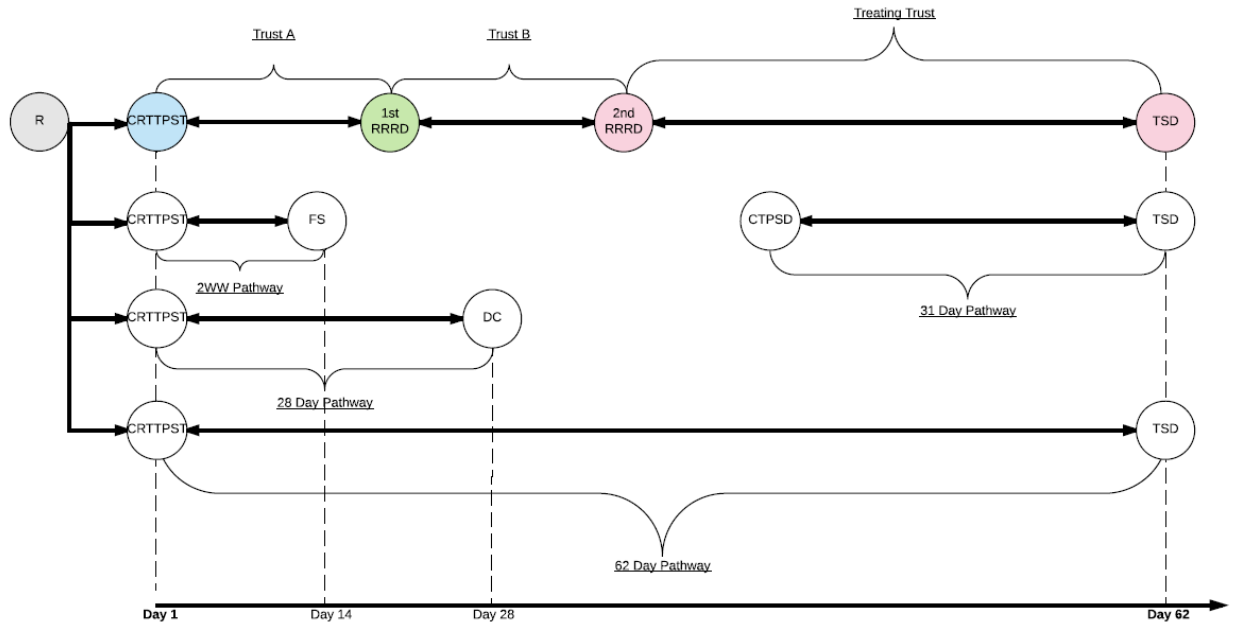
Data Item	Trust	ID
Treatment Start Date (Cancer)	T	<b>T.TSD</b>
Cancer Referral To Treatment Period Start Date	A	<b>A.CRTPSD</b>
Waiting Time Adjustment (Treatment)	T	<b>T.WTA (T)</b>
Waiting Time Adjustment (First Seen)	A	<b>A.WTA (FS)</b>
<b>Non Breach: T.TSD - A.CRTPSD - T.WTA (T) - A.WTA (FS) ≤ 62 Days</b>		
<b>Breach: TSD - CRTPSD - WTA (T) - WTA (FS) &gt; 62 Days</b>		

### Two Transfers



**Two IPT Transfers:** Patient is seen at Trust **A**, then Trust **B** performs tests and investigation. Afterwards, Patient is sent for treatment (to Trust called '**Treat**').

## Timeline



## Minimum IPT Data Set

### Trust A (Referring a Patient)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT008</b>	<b>Referral</b>	<b>Cancer Referral To Treatment Period Start Date</b>	<b>2017-09-01</b>	<b>IPT38, IPT62</b>
CWT012	First Seen	Date First Seen	2017-09-05	
CWT013	First Seen	Organisation Identifier (Of Provider First Seen)	RR800	
<b>CWT014</b>	<b>First Seen</b>	<b>Waiting Time Adjustment (First Seen)</b>	<b>0</b>	<b>IPT38, IPT62</b>

CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-06	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR801	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	01	

### Trust B (Receiving & Referring a Patient)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-10</b>	<b>IPT38</b>
CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR801	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	01	
CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-10	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR801	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR802	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	04	

**NOTE: has to sent as two separate records.**

## Treating Trust (Receiving Trust)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-14</b>	<b>IPT38, IPT24</b>
CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR801	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR802	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	04	
CWT023	Treatment	Treatment Period Start Date	2017-09-23	
CWT024	Treatment	Organisation Site Identifier (Of Provider Cancer Decision To Treat)	RR802	
<b>CWT026</b>	<b>Treatment</b>	<b>Treatment Start Date (Cancer)</b>	<b>2017-09-24</b>	<b>IPT24, IPT62</b>
CWT027	Treatment	Organisation Site Identifier (Of Provider Cancer Treatment Start Date)	RR802	
<b>CWT035</b>	<b>Treatment</b>	<b>Waiting Time Adjustment (Treatment)</b>	<b>0</b>	<b>IPT24, IPT62</b>

### Breach Calculations

#### *IPT38*

Data Item	Trust	ID
Cancer Referral To Treatment Period Start Date	A	<b>A.CRTPSD</b>
Waiting Time Adjustment (First Seen)	A	<b>A.WTA (FS)</b>
Referral Request Received Date (Inter-Provider Transfer)	B	<b>B.RRRD</b>

Referral Request Received Date (Inter-Provider Transfer)	T	T.RRRD
<b>Non Breach: (B.RRRD - A.CRTPSD - A.WTA (FS)) + (T.RRRD - B.RRRD) ≤ 38 Days</b>		
<b>Breach: (B.RRRD - A.CRTPSD - A.WTA (FS)) + (T.RRRD - B.RRRD) &gt; 38 Days</b>		

### *IPT24*

Data Items	Trust	ID
Treatment Start Date (Cancer)	T	T.TSD
Referral Request Received Date (Inter-Provider Transfer)	T	T.RRRD
Waiting Time Adjustment (Treatment)	T	T.WTA (T)
<b>Non Breach: T.TSD - T.RRRD - T.WTA (T) ≤ 24 Days</b>		
<b>Breach: T.TSD - T.RRRD - T.WTA (T) &gt; 24 Days</b>		

### *IPT62*

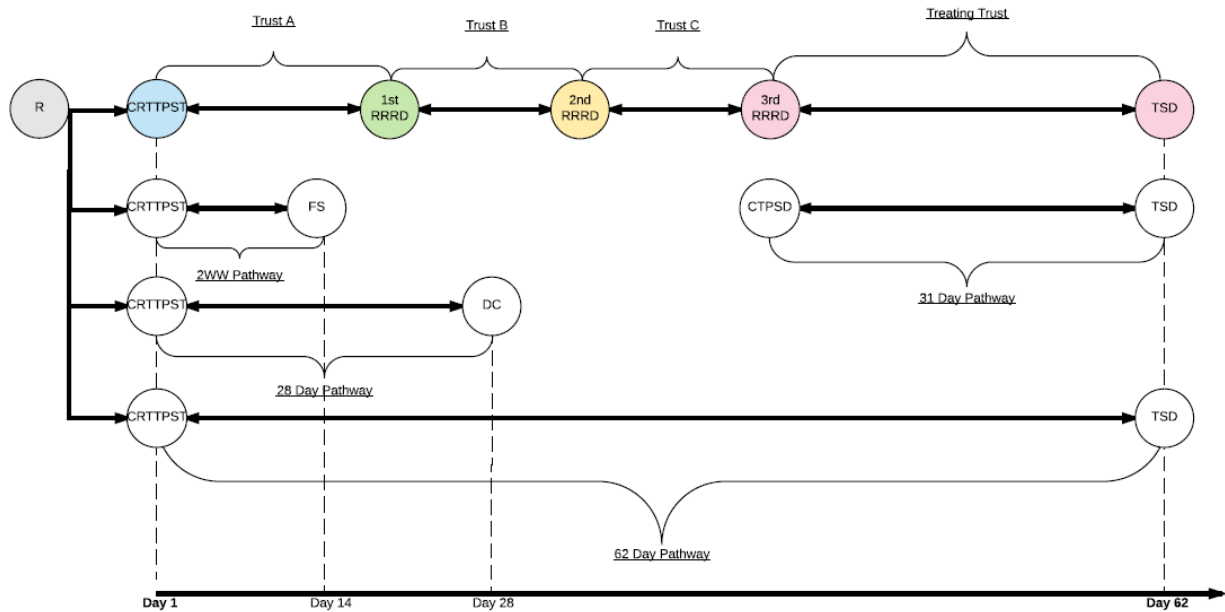
Data Items	Trust	ID
Treatment Start Date (Cancer)	T	T.TSD
Cancer Referral To Treatment Period Start Date	A	A.CRTPSD
Waiting Time Adjustment (Treatment)	T	T.WTA (T)
Waiting Time Adjustment (First Seen)	A	A.WTA (FS)
<b>Non Breach: T.TSD - A.CRTPSD - T.WTA (T) - A.WTA (FS) ≤ 62 Days</b>		
<b>Breach: T.TSD - A.CRTPSD - T.WTA (T) - A.WTA (FS) &gt; 62 Days</b>		

### Three Transfers



**Three IPT Transfers:** Patient is seen at Trust A, then Trust B performs tests and investigation. Afterwards, Patient is sent for further investigation to Trust C. Finally, Trust C sends the patient over to final trust for treatment (to Trust called 'Treat').

### Timeline



### Minimum IPT Data Set

#### Trust A (Referring a Patient)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT008</b>	<b>Referral</b>	<b>Cancer Referral To Treatment Period Start Date</b>	<b>2017-09-01</b>	<b>IPT38, IPT62</b>
CWT012	First Seen	Date First Seen	2017-09-05	

CWT013	First Seen	Organisation Identifier (Of Provider First Seen)	RR800	
<b>CWT014</b>	<b>First Seen</b>	<b>Waiting Time Adjustment (First Seen)</b>	<b>0</b>	<b>IPT38, IPT62</b>
CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-06	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR801	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	01	

#### Trust B (Receiving & Referring a Patient)

<b>CWT ID</b>	<b>Data Category</b>	<b>Column Name</b>	<b>Sample Data</b>	<b>Breach Type</b>
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-10</b>	<b>IPT38</b>
CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR800	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR801	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	01	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR801	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR802	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	03	

CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-10	
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### Trust C (Receiving & Referring a Patient)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-11</b>	<b>IPT38</b>
CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR801	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR802	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	03	
CWT203	IPT (Referring)	Organisation Identifier (Referring)	RR802	
CWT204	IPT (Referring)	Organisation Identifier (Receiving)	RR803	
CWT201	IPT (Referring)	Service Requested Date (Inter-Provider Transfer)	2017-09-12	
CWT205	IPT (Referring)	Cancer Transfer Referring Reason (Inter-Provider Transfer)	04	

### Treating Trust (Receiving Trust)

CWT ID	Data Category	Column Name	Sample Data	Breach Type
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CWT001	Record Match	NHS Number		
CWT002	Record Match	NHS Number Status Indicator Code		
CWT003	Record Match	Patient Pathway Identifier		
<b>CWT025</b>	<b>IPT (Receiving)</b>	<b>Referral Request Received Date (Inter-Provider Transfer)</b>	<b>2017-09-14</b>	<b>IPT38, IPT24</b>
CWT203	IPT (Receiving)	Organisation Identifier (Referring)	RR802	
CWT204	IPT (Receiving)	Organisation Identifier (Receiving)	RR803	
CWT206	IPT (Receiving)	Cancer Transfer Receiving Reason (Inter-Provider Transfer)	04	
CWT023	Treatment	Treatment Period Start Date	2017-09-23	
CWT024	Treatment	Organisation Site Identifier (Of Provider Cancer Decision To Treat)	RR802	
<b>CWT026</b>	<b>Treatment</b>	<b>Treatment Start Date (Cancer)</b>	<b>2017-09-24</b>	<b>IPT24, IPT62</b>
CWT027	Treatment	Organisation Site Identifier (Of Provider Cancer Treatment Start Date)	RR802	
<b>CWT035</b>	<b>Treatment</b>	<b>Waiting Time Adjustment (Treatment)</b>	<b>0</b>	<b>IPT24, IPT62</b>

#### Breach Calculations

#### *IPT38*

Data Item	Trust	ID
Cancer Referral To Treatment Period Start Date	A	<b>A.CRTPSD</b>
Waiting Time Adjustment (First Seen)	A	<b>A.WTA (FS)</b>
Referral Request Received Date (Inter-Provider Transfer)	B	<b>B.RRRD</b>
Referral Request Received Date (Inter-Provider Transfer)	C	<b>C.RRRD</b>
Referral Request Received Date (Inter-Provider Transfer)	T	<b>T.RRRD</b>
<b>Non Breach: (B.RRRD - A.CRTPSD - A.WTA (FS)) + (C.RRRD - B.RRRD) + (T.RRRD - C.RRRD) ≤ 38 Days</b>		

**Breach: (B.RRRD - A.CRTPSD - A.WTA (FS)) + (C.RRRD - B.RRRD) + (T.RRRD - C.RRRD) > 38 Days**

*IPT24*

Data Item	Trust	ID
Treatment Start Date (Cancer)	T	T.TSD
Referral Request Received Date (Inter-Provider Transfer)	C	C.RRRD
Waiting Time Adjustment (Treatment)	T	T.WTA (T)
<b>Non Breach: T.TSD - C.RRRD - T.WTA (T) ≤ 24 Days</b>		
<b>Breach: T.TSD - C.RRRD - T.WTA (T) &gt; 24 Days</b>		

*IPT62*

Data Item	Trust	ID
Treatment Start Date (Cancer)	T	T.TSD
Cancer Referral To Treatment Period Start Date	A	A.CRTPSD
Waiting Time Adjustment (Treatment)	T	T.WTA (T)
Waiting Time Adjustment (First Seen)	A	A.WTA (FS)
<b>Non Breach: T.TSD - A.CRTPSD - T.WTA (T) - A.WTA (FS) ≤ 62 Days</b>		
<b>Breach: T.TSD - A.CRTPSD - T.WTA (T) - A.WTA (FS) &gt; 62 Days</b>		

Example IPT Allocation Calculation

FIRST SEEN = RWG  
 CRTPSD = 2019/07/22  
 wait (first seen) = 0

36 days investigation until initial transfer

TRANSFER 1  
 SRD = 2019/08/27  
 RWG TO R1K

55 DAYS investigation until 2nd transfer

INVESTIGATION PHASE = 91 DAYS > 38 days, therefore breach 38 day standard

TRANSFER 2  
RRRD = 2019/10/21  
R1K TO RWH

TREATMENT PHASE = 4 DAYS < 24 days, therefore success 24 day standard

TREATMENT @ RWH  
TSD = 2019/10/25  
wait (treatment) = 0

OVERALL 95 > 62 therefore breach 62 standard

IPT allocation = BREACH BREACH SUCCESS = IPT Scenario 5, full breach allocation awarded to the slowest Investigating provider R1K

## IPT Validation Rules

<b>RULE NUMBER</b>	<b>Field Name</b>	<b>Crossed Reference Condition and Field Names</b>	<b>ERROR MESSAGE</b>	<b>Level</b>
IPT8	CancerTransferReceivingReasonInterProviderTransfer	{all of the following must be provided} OrganisationIdentifierReferring ReferralRequestReceivedDateInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Organisation Identifier (Referring), Organisation Identifier (Receiving) and Referral Request Received Date (Inter-Provider Transfer) are required.	Error
IPT18	CancerTransferReceivingReasonInterProviderTransfer	{must be empty} ServiceRequestedDateInterProviderTransfer	You cannot include both Service Requested Date (Inter-Provider Transfer) and Cancer Transfer Receiving Reason (Inter-Provider Transfer) in a single record. Please refer to the guidance document for more information about Inter-Provider Transfer.	Error
IPT6	CancerTransferReferringReasonInterProviderTransfer	{all of the following must be provided} OrganisationIdentifierReferring ServiceRequestedDateInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Organisation Identifier (Referring), Organisation Identifier (Receiving) and Service Requested Date (Inter-Provider Transfer) are required.	Error
IPT17	CancerTransferReferringReasonInterProviderTransfer	{must be empty} ReferralRequestReceivedDateInterProviderTransfer	You cannot include both Referral Request Received Date (Inter-Provider Transfer) and Cancer Transfer Referring Reason (Inter-Provider Transfer) in a single record. Please refer to the guidance document for more information about Inter-Provider Transfer.	Error
IPT13	CancerTransferReferringReasonInterProviderTransfer CancerTransferReceivingReasonInterProviderTransfer	{must be empty} CancerTransferReceivingReasonInterProviderTransfer CancerTransferReferringReasonInterProviderTransfer	You cannot include both Cancer Transfer Referring Reason (Inter-Provider Transfer) and Cancer Transfer Receiving Reason (Inter-Provider Transfer) in a single record. Please refer to the guidance document for more information about Inter-Provider Transfer.	Error
IPT16b	OrganisationIdentifierReceiving	{must not be the same as} OrganisationIdentifierReferring	Organisation Identifier (Referring) and Organisation Identifier (Receiving) provided must be different. Please review your records and resubmit.	Error
IPT14	OrganisationIdentifierReceiving	{must be provided} OrganisationIdentifierReferring	IPT record incomplete. If Organisation Identifier (Receiving) is populated, Organisation Identifier (Referring) must also be populated.	Error

IPT15	OrganisationIdentifierReferring	{must be provided} OrganisationIdentifierReceiving	IPT record incomplete. If Organisation Identifier (Referring) is populated, Organisation Identifier (Receiving) must also be populated.	Error
IPT16a	OrganisationIdentifierReferring	{must not be the same as} OrganisationIdentifierReceiving	Organisation Identifier (Referring) and Organisation Identifier (Receiving) provided must be different. Please review your records and resubmit.	Error
IPT1	OrganisationIdentifierReferring OrganisationIdentifierReceiving	{atleast one of the following must be provided} ServiceRequestedDateInterProviderTransfer ReferralRequestReceivedDateInterProviderTransfer	If Organisation Identifier (Receiving) and Organisation Identifier (Referring) are provided, either Service Requested Date (Inter-Provider Transfer) OR Referral Request Received Date (Inter-Provider Transfer) is required.	Error
IPT12	ReferralRequestReceivedDateInterProviderTransfer	{atleast one of the following must be provided} OrganisationIdentifierReferring CancerTransferReceivingReasonInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Referral Request Received Date (Inter-Provider Transfer) is required.	Error
IPT4	ReferralRequestReceivedDateInterProviderTransfer	{must be empty} ServiceRequestedDateInterProviderTransfer CancerTransferReferringReasonInterProviderTransfer	If the IPT record is for a receipt, Service Requested Date (Inter-Provider Transfer) and Cancer Transfer Referring Reason (Inter-Provider Transfer) must be empty.	Error
IPT7	ReferralRequestReceivedDateInterProviderTransfer	{all of the following must be provided} OrganisationIdentifierReferring ServiceRequestedDateInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Organisation Identifier (Referring) and Organisation Identifier (Receiving) are required.	Error
IPT19b	ReferralRequestReceivedDateInterProviderTransfer	{must be empty} ServiceRequestedDateInterProviderTransfer	You cannot include both Service Requested Date (Inter-Provider Transfer) and Referral Request Received Date (Inter-Provider Transfer) in a single record. Please refer to the guidance document for more information about Inter-Provider Transfer.	Error
IPT22 CR63	ReferralRequestReceivedDateInterProviderTransfer	{atleast one of the following must be provided} OrganisationIdentifierReceiving OrganisationIdentifierReferring	IPT Record incomplete. Please ensure that Referral Request Received Date (Inter-Provider Transfer), Organisation Identifier (Receiving) and Organisation Identifier (Referring) are present.	WARNING

IPT23 CR53	ReferralRequestReceivedDateInterProviderTransfer	{greater than or equal to} DateFirstSeen	Referral Request Received Date (Inter-Provider Transfer) must be on or after Date First Seen.	Error
IPT24 CR54a	ReferralRequestReceivedDateInterProviderTransfer	{less than or equal to} TreatmentStartDateCancer	Referral Request Received Date (Inter-Provider Transfer) must be on or before Treatment Start Date (Cancer).	Error
IPT27 CR69	ReferralRequestReceivedDateInterProviderTransfer	{greater than or equal to} CancerReferralToTreatmentPeriodStartDate	Referral Request Received Date (Inter-Provider Transfer) must be on or after Cancer Referral to Treatment Period Start Date.	Error
IPT28 CR79	ReferralRequestReceivedDateInterProviderTransfer	{all of the following must be provided} CancerReferralToTreatmentPeriodStartDate PatientPathwayIdentifier	Referral Request Received Date (Inter-Provider Transfer) contains a value, therefore Patient Pathway ID or Cancer Referral to Treatment Period Start Date should also be provided to allow us to match this record to the correct pathway. From 02 August 2018 this rule will become mandatory for all records.	WARNING
IPT10	ServiceRequestedDateInterProviderTransfer	{atleast one of the following must be provided} OrganisationIdentifierReferring CancerTransferReferringReasonInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Service Requested Date (Inter-Provider Transfer) is required.	Error
IPT3	ServiceRequestedDateInterProviderTransfer	{must be empty} ReferralRequestReceivedDateInterProviderTransfer CancerTransferReceivingReasonInterProviderTransfer	If the IPT record is for a referral, Referral Request Received Date (Inter-Provider Transfer) and Cancer Transfer Receiving Reason (Inter-Provider Transfer) must be empty.	Error
IPT5	ServiceRequestedDateInterProviderTransfer	{all of the following must be provided} OrganisationIdentifierReferring ReferralRequestReceivedDateInterProviderTransfer OrganisationIdentifierReceiving	IPT record incomplete. Organisation Identifier (Referring) and Organisation Identifier (Receiving) are required.	Error
IPT19a	ServiceRequestedDateInterProviderTransfer	{must be empty} ReferralRequestReceivedDateInterProviderTransfer	You cannot include both Service Requested Date (Inter-Provider Transfer) and Referral Request Received Date (Inter-Provider Transfer) in a single record. Please refer to the guidance document for more information about Inter-Provider Transfer.	Error

IPT20 CR62	ServiceRequestedDateInterProviderTransfer	{atleast one of the following must be provided} OrganisationIdentifierReferring OrganisationIdentifierReceiving	IPT Record incomplete. Please ensure that Service Requested Date (Inter-Provider Transfer), Organisation Identifier (Referring) and Organisation Identifier (Receiving) are present.	Error
IPT21 CR78	ServiceRequestedDateInterProviderTransfer	{all of the following must be provided} CancerReferralToTreatmentPeriodStartDate PatientPathwayIdentifier	Service Requested Date (Inter-Provider Transfer) is present, therefore Cancer Referral to Treatment Period Start Date or Patient Pathway Identifier must be provided.	Error
IPT26 CR68	ServiceRequestedDateInterProviderTransfer	{greater than or equal to} CancerReferralToTreatmentPeriodStartDate	Service Requested Date (Inter-Provider Transfer) must be on or after Cancer Referral to Treatment Period Start Date.	Error
IPT2	ServiceRequestedDateInterProviderTransfer ReferralRequestReceivedDateInterProviderTransfer CancerTransferReferringReasonInterProviderTransfer CancerTransferReceivingReasonInterProviderTransfer	{all of the following must be provided} OrganisationIdentifierReferring OrganisationIdentifierReceiving	If referring or receiving fields are populated, both Organisation Identifier (Receiving) and Organisation Identifier (Referring) are required.	Error
IPT29	ServiceRequestedDateInterProviderTransfer	{less than or equal to} TreatmentStartDateCancer	Referral Request Received Date (Inter-Provider Transfer) must be on or before Treatment Start Date (Cancer).	Error

# 31 Day Rare Allocation Logic

Scenario					31-day rare Standard									FIP	SIP	TP	total days	accountable IP (62)	accountable IP (31)	
					First Investigating Provider (FIP)			Second Investigating Provider (SIP)			Treating provider (TP)									
62	31	31-day wait (overall pathway)	38-day wait (investigative phase)	24-day wait (treatment commencement phase)	THEN:	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation	Contribution to Numerator	Contribution to Denominator	Patient allocation						
1a		<= 31	<= 38 & FIP > SIP	<=24	THEN:	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	15	10	6	31	SIP	SIP
1b/c		<= 31	<= 38 & FIP <= SIP	<=24	THEN:	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	10	15	6	31	FIP	FIP
2a		<= 31	<= 38 & FIP > SIP	>24	THEN:	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	3	2	25	30	SIP	SIP
2b/c		<= 31	<= 38 & FIP <= SIP	>24	THEN:	0.5	0.5	0.5	0	0	0	0.5	0.5	0.5	2	3	25	30	FIP	FIP
3a		<= 31	> 38 & FIP > SIP	<=24	THEN:	0	0	0	0	0	0	1	1	1	24	15	23	62	x	N/A
3b/c		<= 31	> 38 & FIP <= SIP	<=24	THEN:	0	0	0	0	0	0	1	1	1	15	24	23	62	x	N/A
4a		> 31	<= 38 & FIP > SIP	>24	THEN:	0	0	0	0	0	0	0	1	1	25	13	25	63	x	x
4b/c		> 31	<= 38 & FIP <= SIP	>24	THEN:	0	0	0	0	0	0	0	1	1	13	25	25	63	x	x
5a		> 31	> 38 & FIP > SIP	<=24	THEN:	0	1	1	0	0	0	0	0	0	26	13	24	63	FIP	FIP
5b/c		> 31	> 38 & FIP <= SIP	<=24	THEN:	0	0	0	0	1	1	0	0	0	13	26	24	63	SIP	SIP
6a		> 31	> 38 & FIP > SIP	>24	THEN:	0	0.5	0.5	0	0	0	0	0.5	0.5	20	19	25	64	FIP	FIP
6b/c		> 31	> 38 & FIP <= SIP	>24	THEN:	0	0	0	0	0.5	0.5	0	0.5	0.5	19	20	25	64	SIP	SIP
7a		> 31	<= 38 & FIP > SIP	<=24	THEN:	0	0	0	0	0.5	0.5	0	0.5	0.5	23	15	24	62	SIP	FIP
7b/c		> 31	<= 38 & FIP <= SIP	<=24	THEN:	0	0.5	0.5	0	0	0	0	0.5	0.5	15	23	24	62	FIP	SIP

- Scenario 3 is not valid when applied to 31 day rare. Its valid, but the sum of the data just doesn't allow this scenario criteria to ever be met.

- Scenario 7 is the new possible scenario that needs to be considered to cater for the situation where the 62 day standard is success, but the 31 day rare standard is breach. 31 > Numbers of Days > 62

