

## Patient Event Definitions and Business Rules

Event	Effect on Dialysis Facility Population	Brief Definition	Can Only be Preceded By:	Can Only be Followed by:	Business Rules for Facilities	Business Rules for VISION
<b>New ESRD Patient</b>	Addition	Patient has been diagnosed with ESRD and receives his/her first ever kidney transplant or his/her first ever outpatient chronic dialysis treatment	No events can precede New ESRD Patient	Death Discontinue Lost to Follow Up Modality Change Recover function Transfer Out Transfer Out for a Transplant Transplant Failure Interruption in Service	1. For patients new to chronic outpatient dialysis or receiving a transplant as his or her first ESRD event. 2. Patient may have only one New to ESRD event.	1. For patients new to chronic outpatient dialysis or receiving a transplant as his or her first ESRD event. 2. Patient may have only one New to ESRD event.
<b>Transfer In</b>	Addition	Patient transfers into a dialysis facility, having received outpatient chronic dialysis treatment elsewhere. User must record a subcategory to indicate type of transfer	<b>See Individual Transfer In Categories</b>		1. If patient is receiving short-term transient dialysis (<30 days) do not record the Transfer In. 2. If the patient is returning to dialysis after a transplant failure, do not use this event. (Dialysis After Transplant Failed should be used) 3. A transfer in can follow a transfer out from the same facility	1. If patient is receiving short-term transient dialysis (<30 days) do not record the Transfer In. 2. If the patient is returning to dialysis after a transplant failure, do not use this event. (Dialysis After Transplant Failed should be used) 3. A transfer in can follow a transfer out from the same facility
<b>Transfer In - Category A: Patient previously served in ESRD Medicare system</b>	Addition	Patient transfers into a dialysis facility having previously received outpatient chronic dialysis treatment at an ESRD Medicare Certified Provider (facility)	Transfer Out - Category A Transfer Out - Category B Transfer Out - Category C	Death Discontinue Lost to Follow Up Modality Change Recover function Transfer Out Transfer Out for a Transplant Interruption in Service	1. Use this event when a patient is transferring from one ESRD Medicare Certified Dialysis Provider to another or if a patient is transferring from a non-Medicare facility, but has previously received treatment in an ESRD Medicare Certified Provider.	1. Use this event when a patient is transferring from one ESRD Medicare Certified Dialysis Provider to another or if a patient is transferring from a non-Medicare facility, but has previously received treatment in an ESRD Medicare Certified Provider
<b>Transfer In - Category B: Patient new to ESRD Patient Registry.</b>	Addition	Patient transfers into the dialysis facility to receive his or her first outpatient chronic dialysis treatment at an ESRD-Medicare Certified Provider (facility)	No events can precede Transfer In - Category B	Death Discontinue Lost to Follow Up Modality Change Recover function Transfer Out Transfer Out for a Transplant Interruption in Service	1. Use this event when a patient receives first outpatient dialysis or transplant at a non-Medicare facility, including a prison or a facility in another country. 2. If the patient is new to a facility and is a foreign national or former prisoner, users should create a transfer in as the patient's 1st events and you MUST also complete a 2728 form in order for the patient to receive Medicare benefits.	1. Use this event when a patient receives first outpatient dialysis or transplant at a non-Medicare facility, including a prison or a facility in another country. 2. If the patient is new to a facility and is a foreign national or former prisoner, users should create a transfer in as the patient's 1st events and you MUST also complete a 2728 form in order for the patient to receive Medicare benefits.

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<b>Restart</b>	Addition	Patient had previously stopped dialysis treatment and is now resuming outpatient chronic dialysis treatment	Discontinue Lost to Follow Up Recover Function	Death Discontinue Lost to Follow Up Modality Change Recover function Transfer Out Transfer Out for a Transplant Interruption in Service	1. If a patient Restarts dialysis after 12 months of stopping outpatient chronic dialysis treatment, submit a new 2728 form to re-register and/or re-instate ESRD Medicare benefits.	1. If a patient Restarts dialysis after 12 months of stopping outpatient chronic dialysis treatment, submit a new 2728 form to re-register and/or re-instate ESRD Medicare benefits.
<b>Dialysis After Transplant Failed within US (at Dialysis Facility) - A</b>	Addition	Patient has rejected a transplant that occurred inside of US and is receiving his or her first post-transplant outpatient dialysis treatment at an outpatient facility	Transplant Failure Transplant	Death Discontinue Lost to Follow Up Modality Change Transfer Out Transfer Out for a Transplant Interruption in Service	1. A CMS-2728 form should be submitted if the return to dialysis is more than 3 years post-transplant to re-register and/or re-instate ESRD Medicare benefits. 2. Transplanted patients may experience episodes of kidney rejection and will need dialysis support to assist in the function of the kidney. This may take up to 2 to 3 months. Do not report this patient as a transplant failure unless the physician writes a prescription that this patient needs dialysis three times a week and that the transplanted kidney has failed. Only use this event after a transplant surgeon or physician states that the transplant has failed. 3. *Note: This event was previously "Dialysis after Transplant". It has been changed to "Dialysis after Transplant Fail". The event code remains the same.	1. Dialysis After Transplant Failed can be the 1st event for a patient in a VISION facility. 2. A CMS-2728 form should be submitted if the return to dialysis is more than 3 years post-transplant to re-register and/or re-instate ESRD Medicare benefits. 3. Transplanted patients may experience episodes of kidney rejection and will need dialysis support to assist in the function of the kidney. This may take up to 2 to 3 months. Do not report this patient as a transplant failure unless the physician writes a prescription that this patient needs dialysis three times a week and that the transplanted kidney has failed. Only use this event after a transplant surgeon or physician states that the transplant has failed. 4. *Note: This event was previously "Dialysis after Transplant". It has been changed to "Dialysis after Transplant Fail". The event code remains the same.

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<b>Dialysis After Transplant Failed outside of US (at Dialysis Facility) - B</b>	Addition	Patient has rejected a transplant that occurred outside of US and is receiving his or her first post-transplant outpatient dialysis treatment at an outpatient facility	Transplant Failure Transplant	Death Discontinue Lost to Follow Up Modality Change Transfer Out Transfer Out for a Transplant Interruption in Service	<p>1. A CMS-2728 form should be submitted if the return to dialysis more than 3 years post-transplant to re-register and to re-instate for ESRD Medicare benefits.</p> <p>2. Transplanted patients may experience episodes of kidney rejection and will need dialysis support to assist in the function of the kidney. This may take up to 2 to 3 months. Do not report this patient as a transplant failure unless the physician writes a prescription that this patient needs dialysis three times a week and that the transplanted kidney has failed. Only use this event after a transplant surgeon or physician states that the transplant has failed.</p> <p>3. *Note: This event was previously "Dialysis after Transplant". It has been changed to "Dialysis after Transplant Fail". The event code remains the same.</p>	<p>1. Dialysis After Transplant Failed can be the 1st event for a patient in a VISION facility.</p> <p>2. A CMS-2728 form should be submitted if the return to dialysis is more than 3 years post-transplant to re-register and to re-instate for ESRD Medicare benefits.</p> <p>3. Transplanted patients may experience episodes of kidney rejection and will need dialysis support to assist in the function of the kidney. This may take up to 2 to 3 months. Do not report this patient as a transplant failure unless the physician writes a prescription that this patient needs dialysis three times a week and that the transplanted kidney has failed. Only use this event after a transplant surgeon or physician states that the transplant has failed.</p> <p>4. *Note: This event was previously "Dialysis after Transplant". It has been changed to "Dialysis after Transplant Fail". The event code remains the same.</p>
<b>Transfer Out for a Transplant in US - A</b>	Loss	Patient leaves a dialysis facility to receive a kidney transplant at a facility within the US	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Interruption in Service Resume Service	Transplant Death (at CMSDTH Provider)	1. This event is recorded at a dialysis facility only.	1. This event is recorded at a dialysis facility only.
<b>Transfer Out for a Transplant outside of US - B</b>	Loss	Patient leaves a dialysis facility to receive a kidney transplant at a facility outside of US	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Interruption in Service Resume Service	Transplant Death (at CMSDTH Provider) Dialysis after Transplant Failed	1. This event is recorded at a dialysis facility only.	1. This event is recorded at a dialysis facility only.

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<b>Transfer Out - Category A: To ESRD Medicare Dialysis Facility</b>	Loss	Patient is transferring long term/permanently to an ESRD Medicare Certified Dialysis Provider	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Interruption in Service Resume Service	Transfer In Death	1. For record keeping purposes, if a patient is receiving short-term transient dialysis do not record transfer. 2. This event will be recorded in Field 11A or 11B on the CMS-2744 Facility Survey Form.	1. For record keeping purposes, if a patient is receiving short-term transient dialysis do not record transfer.
<b>Transfer Out - Category B: To Non-ESRD Medicare Dialysis Facility</b>	Loss	Patient is leaving facility and will receive care for more than 30 days at a non ESRD-Medicare Certified Provider	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Resume Service	Transfer In Dialysis after Transplant Failed Death (at CMSDTH provider)	1. Use this event when patient begins long-term Incarceration or leaves the country for an extended period. 2. If patient is away for less than 30 days, do not record the transfer. 3. This event is recorded in Field 11A or 11B on the CMS-2744 Facility Survey	1. Use this event when patient begins long-term Incarceration or leaves the country for an extended period. 2. If patient is away for less than 30 days, do not record the transfer.
<b>Transfer Out - Category C: Involuntary Discharge from treatment</b>	Loss	Patient has been discharged from the facility against his or her will	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Resume Service	Transfer In Death Restart	1. Use this event for ALL involuntary discharges, regardless of where patient received services after discharge. 2. This event is recorded in Field 11A or 11B on the CMS-2744 Facility Survey.	1. Use this event for ALL involuntary discharges, regardless of where patient received services after discharge.
<b>Discontinue</b>	Loss	Patient discontinues dialysis after the decision to permanently stop dialysis has been specifically articulated by the patient, family, or legal designee	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Resume Service Transplant (Rare)	Death Restart	1. Create this event only when a patient, family, or legal designee communicates the decision to discontinue dialysis with the expectation that death will soon follow. 2. Facility is expected to follow patient for 30 days following a discontinue, and must submit the CMS-2746 form for patient if death occurs within 30 days.	1. Create this event only when a patient, family, or legal designee communicates the decision to discontinue dialysis with the expectation that death will soon follow. 2. Facility is expected to follow patient for 30 days following a discontinue, and must submit the CMS-2746 form for patient if death occurs within 30 days.

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<b>Death</b>	Loss	Patient has died	Continuing Discontinue Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Transplant Transplant Failure Interruption in Service Resume Service	No Events can follow Death	<ol style="list-style-type: none"> <li>1. Facilities are responsible for completing the CMS-2746 form for the patient if the death occurs within 30 days after the patient has been out of their care and no other facility has reported treating the patient.</li> <li>2. For reporting and analysis purposes, the death is reported under this facility if the death occurs within 30 days of the last treatment.</li> <li>3. Networks and facilities should record a death date regardless of how they learn of the death</li> </ol>	<ol style="list-style-type: none"> <li>1. Facilities are responsible for completing the CMS-2746 form for the patient if the death occurs within 30 days after the patient has been out of their care and no other facility has reported treating the patient.</li> <li>2. Facilities should record a death date regardless of how they learn of the death.</li> </ol>
<b>Recover Function</b>	Loss	Patient regains renal function of his/her native kidney and is able to survive without ESRD therapy	Continuing Modality Change New ESRD Patient Restart Transfer In Transplant (Rare) Resume Service	Restart Death Transplant	<ol style="list-style-type: none"> <li>1. Refers only to a patient's native kidney(s), not to a transplanted kidney.</li> </ol>	<ol style="list-style-type: none"> <li>1. Refers only to a patient's native kidney(s), not to a transplanted kidney.</li> </ol>
<b>Lost to Follow Up</b>	Loss	Patient no longer attends dialysis, facility is unable to locate the patient and Network is unable to locate the patient through the central repository	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Transplant Transplant Failure Resume Service	Restart Death	<p><b>Note:</b> This event was previously "Loss to Follow up" and has been changed to "Lost to Follow up".</p> <ol style="list-style-type: none"> <li>1. This event should rarely be used. The facility is to make every effort to locate the patient.</li> <li>2. Enter this event after the facility makes every effort to locate a patient but does not know where the patient is.</li> <li>3. Do not use this event when a patient communicates the decision to discontinue dialysis or has transferred out to another facility.</li> <li>4. If Network notifies VISION facility that another facility has reported a Transfer In for the patient and that Transfer In is within 30 days of the LTFU, change the LTFU event to a Transfer Out event on the same day as the Transfer In.</li> <li>5. If the patient expires within 30 days and you know that they have not dialyzed elsewhere, change the LTFU event to a Discontinue event on the same day, and add a Death.</li> <li>6. If the patient expires within 30 days, delete the LTFU and add a Death</li> </ol>	<p><b>Note:</b> This event was previously "Loss to Follow up" and has been changed to "Lost to Follow up".</p> <ol style="list-style-type: none"> <li>1. This event should rarely be used. The facility is to make every effort to locate the patient.</li> <li>2. Enter this event after the facility makes every effort to locate a patient but does not know where the patient is.</li> <li>3. Do not use this event when a patient communicates the decision to discontinue dialysis or has transferred out to another facility.</li> </ol>

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<b>Modality Change</b>	Neutral	Patient remains at the dialysis treatment facility and changes to a different type of dialysis modality as determined by the patient and care team to be the patient's anticipated modality for the foreseeable future.	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Resume Service	Death Discontinue Lost to Follow Up Modality Change Recover Function Transfer Out Transfer Out for a Transplant Interruption in Service	<ol style="list-style-type: none"> <li>For any change in dialysis modality occurring at the same provider.</li> <li>If patient is transferring to a different provider and starting a new dialysis modality, use Transfer In or Transfer Out.</li> <li>If modality change is from Staff-assisted Dialysis to Self Care Dialysis and takes place within 90 days of the New Patient Event, a supplemental CMS-2728 form is required to waive the waiting period for Medicare benefits.</li> <li>Only report long-term anticipated modality.</li> <li>Only use for dialysis modality changes. If the patient receives a transplant, use the Transfer Out for Transplant event.</li> </ol>	<ol style="list-style-type: none"> <li>For any change in dialysis modality occurring at the same provider.</li> <li>If patient is transferring to a different provider and starting a new dialysis modality, use Transfer In or Transfer Out.</li> <li>If modality change is from Staff-assisted Dialysis to Self Care Dialysis and takes place within 90 days of the New Patient Event, a supplemental CMS-2728 form is required to waive the waiting period for Medicare benefits.</li> <li>Only report long-term anticipated modality.</li> <li>Only use for dialysis modality changes. If patient receives a transplant, use the Transfer Out for Transplant event.</li> </ol>
<b>Interruption in Service in a Chronic Outpatient Setting</b>	Neutral	Patient is experiencing a interruption of services for greater than 30 days while in an acute care setting or rehabilitation facility and is expected to return to the outpatient dialysis facility	Continuing Dialysis after Transplant Failed Modality Change New ESRD Patient Restart Transfer In Resume Service	Transfer Out Transfer Out for a Transplant Resume Service Death	<ol style="list-style-type: none"> <li>Use this event if the patient is experiencing a long-term (greater than 30 days) interruption of services while in an acute care setting or rehabilitation facility and is expected to return to the outpatient dialysis facility.</li> <li>If the patient has been away from the dialysis facility for over 30 days and the Interruption in Service event is reported then that patient should not be considered when completing the facility death form and SMR's.</li> </ol>	<ol style="list-style-type: none"> <li>Use this event if the patient is experiencing a long-term (greater than 30 days) interruption of services while in an acute care setting or rehabilitation facility and is expected to return to the outpatient dialysis facility.</li> <li>If the patient is away from the dialysis facility for over 30 days and the Interruption in Service event is reported then that patient should not be considered when completing the facility death form and SMR's.</li> </ol>
<b>Resume Service</b>	Neutral	Patient is returning to the dialysis facility from an acute care setting or rehabilitation facility	Interruption in Service	Death Discontinue Lost to Follow Up Modality Change Recover Function Transfer Out Transfer Out for Transplant Interruption in Service	<ol style="list-style-type: none"> <li>Use this event when a patient is assigned the status of Interruption in Service and is now returning to the dialysis facility.</li> <li>This event is not recorded as an addition on the CMS-2744 Facility Survey since it represents a patient returning from a temporary interruption of service.</li> </ol>	<ol style="list-style-type: none"> <li>Use this event when a patient is assigned the status of Interruption in Service and is now returning to the dialysis facility.</li> </ol>

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<b>Transplant</b>	Neutral - Transplant Center event only	Patient receives a kidney transplant at a transplant facility.	Transfer out for a Transplant Transplant Failure Transfer Out Category B	Transplant Failure Death	1. This event is only recorded at a transplant facility.	1. This event is only recorded at a transplant facility.
<b>Transplant Failure (at the Transplant Facility)</b>	Neutral - Transplant Center event only	Patient's kidney transplant has permanently failed and the patient will need to resume or start dialysis; or receive another transplant.	Transplant	Dialysis after Transplant Failed Transplant Death Interruption in Service	1. Do not use this event if the patient requires backup or "kick start" dialysis after a transplant. This event is for transplant support dialysis. Do not submit a CMS-2728 form or enter this event in SIMS. 2. If the patient receives a transplant within 90 days of a New ESRD Patient event or more than 3 years after a previous transplant, a new CMS-2728 form may be necessary.	1. Do not use this event if the patient requires backup or "kick start" dialysis after a transplant. This event is for transplant support dialysis. Do not submit a CMS-2728 form or enter this event. 2. If the patient receives a transplant within 90 days of a New ESRD Patient event or more than 3 years after a previous transplant, a new CMS-2728 form may be necessary.
<b>Acute</b>	N/A	N/A - To be removed from SIMS	N/A	N/A	N/A - To be removed from SIMS	N/A - To be removed from SIMS
<b>Continuing</b>	Neutral	Patient was receiving ESRD treatment at time of 1988 Network consolidation, but prior event data was not available.	No Events can precede the Continuing event	Death Discontinue Lost to Follow Up Modality Change Recover Function Transfer Out Transfer Out for Transplant Interruption in Service	1. This event is a result of legacy data and may appear in SIMS and VISION for patients for whom pre-1988 data was not available.	1. This event comes from legacy data and may appear in SIMS and VISION for patients for whom pre-1988 data was not available. 2. You cannot enter this event for a patient, but existing instances of the Continuing event will remain.