

Medical Policy



Title: Insulin Pump

Professional

Original Effective Date: January 1, 1999

Revision Date(s): June 1, 1999; June 9, 2003; October 3, 2006; November 2, 2006;

May 15, 2012; December 14, 2012; January 21, 2014; September 29, 2015;

March 31, 2016; October 1, 2016; October 1, 2017; January 16, 2019; January 1, 2020;
April 19, 2021

Current Effective Date: March 31, 2016

State and Federal mandates and health plan member contract language, including specific provisions/exclusions, take precedence over Medical Policy and must be considered first in determining eligibility for coverage. To verify a member's benefits, contact [Blue Cross and Blue Shield of Kansas Customer Service](#).

The BCBSKS Medical Policies contained herein are for informational purposes and apply only to members who have health insurance through BCBSKS or who are covered by a self-insured group plan administered by BCBSKS. Medical Policy for FEP members is subject to FEP medical policy which may differ from BCBSKS Medical Policy.

The medical policies do not constitute medical advice or medical care. Treating health care providers are independent contractors and are neither employees nor agents of Blue Cross and Blue Shield of Kansas and are solely responsible for diagnosis, treatment and medical advice.

If your patient is covered under a different Blue Cross and Blue Shield plan, please refer to the Medical Policies of that plan.

DESCRIPTION

An external insulin infusion pump is a small, battery-operated device (about the size of a pager) worn on a belt around the waist or put in a pocket and attached to a needle or catheter that provides continuous infusion of insulin.

POLICY

Benefits for an insulin pump will be considered per the following guidelines:

- A. Prerequisites:
1. Completion of a comprehensive diabetes education program to include education pertaining to:
 - a. When to bolus
 - b. How much to bolus depending on meal content
 - c. How to adjust basal rates
 - d. Meal boluses depending on projected activity level
 - e. Use of sick day guidelines
 2. At least 4 multiple daily injections of insulin with self adjustments for at least 6 months (earlier for pregnancy or preconception)
 3. Frequency of glucose self testing of at least 4 times per day during at least 30 days (1 month) prior to initiation of the insulin pump
 4. Ability and commitment to comply with a regimen of pump care, frequent self-monitoring of blood sugar and attention to diet and exercise.
 5. The pump must be ordered and managed by a provider with experience and expertise with managing insulin pumps.
- B. Consideration will be given to the following (when not explained by noncompliance):
- History of severe glycemic excursions (commonly associated with brittle diabetes, hypoglycemic unawareness, nocturnal hypoglycemia, extreme insulin sensitivity and/or very low insulin requirements)
 - Dawn phenomenon with morning fasting blood sugars frequently exceeding 200mg/dl
 - Diabetic complications such as neuropathy, nephropathy and retinopathy
 - Glycosylated hemoglobin (HgbA1c) level > 7.0% or 1% over upper range of normal.
 - Preconception or pregnancy with suboptimal glycemic control with multiple daily insulin injections
 - Recurring hypoglycemia
 - On insulin pump prior to enrollment
- C. The provider's order and rationale for the insulin pump must be provided from the clinical record or from a letter from the ordering provider.

CODING

The following codes for treatment and procedures applicable to this policy are included below for informational purposes. Inclusion or exclusion of a procedure, diagnosis or device code(s) does not constitute or imply member coverage or provider reimbursement. Please refer to the member's contract benefits in effect at the time of service to determine coverage or non-coverage of these services as it applies to an individual member.

CPT/HCPCS

A4226	Supplies for maintenance of insulin infusion pump with dosage rate adjustment using therapeutic continuous glucose sensing, per week
E0784	External ambulatory infusion pump, insulin
E0787	External ambulatory infusion pump, insulin, dosage rate adjustment using therapeutic continuous glucose sensing
S9145	Insulin pump initiation, instruction in initial use of pump (pump not included)

ICD-10 Diagnoses

E10.10	Type 1 diabetes mellitus with ketoacidosis without coma
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral

- E10.3411 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
- E10.3412 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
- E10.3413 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
- E10.3491 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
- E10.3492 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
- E10.3493 Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
- E10.3511 Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
- E10.3512 Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
- E10.3513 Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
- E10.3521 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
- E10.3522 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
- E10.3523 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
- E10.3531 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
- E10.3532 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
- E10.3533 Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
- E10.3541 Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
- E10.3542 Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
- E10.3543 Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
- E10.3551 Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye
- E10.3552 Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye
- E10.3553 Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
- E10.3591 Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
- E10.3592 Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
- E10.3593 Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
- E10.36 Type 1 diabetes mellitus with diabetic cataract
- E10.37X1 Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye

- E10.37X2 Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
- E10.37X3 Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
- E10.39 Type 1 diabetes mellitus with other diabetic ophthalmic complication
- E10.40 Type 1 diabetes mellitus with diabetic neuropathy, unspecified
- E10.41 Type 1 diabetes mellitus with diabetic mononeuropathy
- E10.42 Type 1 diabetes mellitus with diabetic polyneuropathy
- E10.43 Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
- E10.44 Type 1 diabetes mellitus with diabetic amyotrophy
- E10.49 Type 1 diabetes mellitus with other diabetic neurological complication
- E10.51 Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
- E10.52 Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
- E10.59 Type 1 diabetes mellitus with other circulatory complications
- E10.610 Type 1 diabetes mellitus with diabetic neuropathic arthropathy
- E10.618 Type 1 diabetes mellitus with other diabetic arthropathy
- E10.620 Type 1 diabetes mellitus with diabetic dermatitis
- E10.621 Type 1 diabetes mellitus with foot ulcer
- E10.622 Type 1 diabetes mellitus with other skin ulcer
- E10.628 Type 1 diabetes mellitus with other skin complications
- E10.630 Type 1 diabetes mellitus with periodontal disease
- E10.638 Type 1 diabetes mellitus with other oral complications
- E10.641 Type 1 diabetes mellitus with hypoglycemia with coma
- E10.649 Type 1 diabetes mellitus with hypoglycemia without coma
- E10.65 Type 1 diabetes mellitus with hyperglycemia
- E10.69 Type 1 diabetes mellitus with other specified complication
- E10.8 Type 1 diabetes mellitus with unspecified complications
- E10.9 Type 1 diabetes mellitus without complications
- E11.00 Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
- E11.01 Type 2 diabetes mellitus with hyperosmolarity with coma
- E11.10 Type 2 diabetes mellitus with ketoacidosis without coma
- E11.11 Type 2 diabetes mellitus with ketoacidosis with coma
- E11.21 Type 2 diabetes mellitus with diabetic nephropathy
- E11.22 Type 2 diabetes mellitus with diabetic chronic kidney disease
- E11.29 Type 2 diabetes mellitus with other diabetic kidney complication
- E11.311 Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
- E11.319 Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
- E11.3211 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
- E11.3212 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
- E11.3213 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
- E11.3291 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye

- E11.3292 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
- E11.3293 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
- E11.3311 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
- E11.3312 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
- E11.3313 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
- E11.3391 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
- E11.3392 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
- E11.3393 Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
- E11.3411 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
- E11.3412 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
- E11.3413 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
- E11.3491 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
- E11.3492 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
- E11.3493 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
- E11.3511 Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
- E11.3512 Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
- E11.3513 Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
- E11.3521 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
- E11.3522 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
- E11.3523 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
- E11.3531 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
- E11.3532 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
- E11.3533 Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
- E11.3541 Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye

- E11.3542 Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
- E11.3543 Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
- E11.3551 Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye
- E11.3552 Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye
- E11.3553 Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
- E11.3591 Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
- E11.3592 Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
- E11.3593 Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
- E11.36 Type 2 diabetes mellitus with diabetic cataract
- E11.37X1 Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
- E11.37X2 Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
- E11.37X3 Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
- E11.39 Type 2 diabetes mellitus with other diabetic ophthalmic complication
- E11.40 Type 2 diabetes mellitus with diabetic neuropathy, unspecified
- E11.41 Type 2 diabetes mellitus with diabetic mononeuropathy
- E11.42 Type 2 diabetes mellitus with diabetic polyneuropathy
- E11.43 Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
- E11.44 Type 2 diabetes mellitus with diabetic amyotrophy
- E11.49 Type 2 diabetes mellitus with other diabetic neurological complication
- E11.51 Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
- E11.52 Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
- E11.59 Type 2 diabetes mellitus with other circulatory complications
- E11.610 Type 2 diabetes mellitus with diabetic neuropathic arthropathy
- E11.618 Type 2 diabetes mellitus with other diabetic arthropathy
- E11.620 Type 2 diabetes mellitus with diabetic dermatitis
- E11.621 Type 2 diabetes mellitus with foot ulcer
- E11.622 Type 2 diabetes mellitus with other skin ulcer
- E11.628 Type 2 diabetes mellitus with other skin complications
- E11.630 Type 2 diabetes mellitus with periodontal disease
- E11.638 Type 2 diabetes mellitus with other oral complications
- E11.641 Type 2 diabetes mellitus with hypoglycemia with coma
- E11.649 Type 2 diabetes mellitus with hypoglycemia without coma
- E11.65 Type 2 diabetes mellitus with hyperglycemia
- E11.69 Type 2 diabetes mellitus with other specified complication
- E11.8 Type 2 diabetes mellitus with unspecified complications
- E11.9 Type 2 diabetes mellitus without complications
- E13.11 Other specified diabetes mellitus with ketoacidosis with coma
- E13.21 Other specified diabetes mellitus with diabetic nephropathy
- E13.22 Other specified diabetes mellitus with diabetic chronic kidney disease
- E13.29 Other specified diabetes mellitus with other diabetic kidney complication

- E13.311 Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
- E13.319 Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
- E13.3211 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
- E13.3212 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
- E13.3213 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
- E13.3291 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
- E13.3292 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
- E13.3293 Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
- E13.3311 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
- E13.3312 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
- E13.3313 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
- E13.3391 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
- E13.3392 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
- E13.3393 Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
- E13.3411 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
- E13.3412 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
- E13.3413 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
- E13.3491 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
- E13.3492 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
- E13.3493 Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
- E13.3511 Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
- E13.3512 Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
- E13.3513 Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
- E13.3521 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye

- E13.3522 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
- E13.3523 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
- E13.3531 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
- E13.3532 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
- E13.3533 Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
- E13.3541 Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
- E13.3542 Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
- E13.3543 Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
- E13.3551 Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye
- E13.3552 Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye
- E13.3553 Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
- E13.3591 Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
- E13.3592 Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
- E13.3593 Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
- E13.36 Other specified diabetes mellitus with diabetic cataract
- E13.37X1 Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
- E13.37X2 Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
- E13.37X3 Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
- E13.39 Other specified diabetes mellitus with other diabetic ophthalmic complication
- E13.40 Other specified diabetes mellitus with diabetic neuropathy, unspecified
- E13.41 Other specified diabetes mellitus with diabetic mononeuropathy
- E13.42 Other specified diabetes mellitus with diabetic polyneuropathy
- E13.43 Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
- E13.44 Other specified diabetes mellitus with diabetic amyotrophy
- E13.49 Other specified diabetes mellitus with other diabetic neurological complication
- E13.51 Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
- E13.52 Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene

- E13.59 Other specified diabetes mellitus with other circulatory complications
- E13.610 Other specified diabetes mellitus with diabetic neuropathic arthropathy
- E13.618 Other specified diabetes mellitus with other diabetic arthropathy
- E13.620 Other specified diabetes mellitus with diabetic dermatitis
- E13.621 Other specified diabetes mellitus with foot ulcer
- E13.622 Other specified diabetes mellitus with other skin ulcer
- E13.628 Other specified diabetes mellitus with other skin complications
- E13.630 Other specified diabetes mellitus with periodontal disease
- E13.638 Other specified diabetes mellitus with other oral complications
- E13.641 Other specified diabetes mellitus with hypoglycemia with coma
- E13.649 Other specified diabetes mellitus with hypoglycemia without coma
- E13.65 Other specified diabetes mellitus with hyperglycemia
- E13.69 Other specified diabetes mellitus with other specified complication
- E13.8 Other specified diabetes mellitus with unspecified complications
- O24.011 Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester
- O24.012 Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester
- O24.013 Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester
- O24.02 Pre-existing type 1 diabetes mellitus, in childbirth
- O24.03 Pre-existing type 1 diabetes mellitus, in the puerperium
- O24.111 Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester
- O24.112 Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester
- O24.113 Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester
- O24.12 Pre-existing type 2 diabetes mellitus, in childbirth
- O24.13 Pre-existing type 2 diabetes mellitus, in the puerperium
- O24.311 Unspecified pre-existing diabetes mellitus in pregnancy, first trimester
- O24.312 Unspecified pre-existing diabetes mellitus in pregnancy, second trimester
- O24.313 Unspecified pre-existing diabetes mellitus in pregnancy, third trimester
- O24.32 Unspecified pre-existing diabetes mellitus in childbirth
- O24.33 Unspecified pre-existing diabetes mellitus in the puerperium
- O24.811 Other pre-existing diabetes mellitus in pregnancy, first trimester
- O24.812 Other pre-existing diabetes mellitus in pregnancy, second trimester
- O24.813 Other pre-existing diabetes mellitus in pregnancy, third trimester
- O24.82 Other pre-existing diabetes mellitus in childbirth
- O24.83 Other pre-existing diabetes mellitus in the puerperium
- O24.911 Unspecified diabetes mellitus in pregnancy, first trimester
- O24.912 Unspecified diabetes mellitus in pregnancy, second trimester
- O24.913 Unspecified diabetes mellitus in pregnancy, third trimester
- O24.92 Unspecified diabetes mellitus in childbirth
- O24.93 Unspecified diabetes mellitus in the puerperium

REVISIONS

05-15-2012	In the Policy section: <ul style="list-style-type: none"> • In Item A, #2, added "(earlier for pregnancy or preconception)" • In Item B, added "Recurring hypoglycemia" and "on insulin pump prior to enrollment" • Removed Item D, "Insulin pumps are not indicated for the type II diabetic with evidence of insulin resistance such as high insulin requirements. In some cases a C-peptide to document insulinopenia may be requested. The requirement would be a C-peptide less than 110% of the lower limit of normal with a concurrent fasting blood
------------	--

	sugar less than 225. (For a person with renal insufficiency with creatinine clearance less than 50 ml/min insulinopenia is defined as a fasting C-peptide level less than 200% of the lower limit of normal with a fasting blood sugar less than 225.)"
	Updated References section.
12-14-2012	Revision posted to BCBSKS website, November 15, 2012.
	In the Policy section: <ul style="list-style-type: none"> ▪ In Item B, #3, removed "2 months" and inserted "30 days (1 month)" to read "Frequency of glucose self testing of at least 4 times per day during at least 30 days (1 month)..." ▪ Added Item D, "Insulin pump therapy is considered not medically necessary in the morbidly obese (BMI \geq35) Type II diabetic with evidence of insulin resistance."
	In the Coding section: <ul style="list-style-type: none"> ▪ Updated code nomenclature format.
	Updated References section.
01-21-2014	Policy reviewed.
	In Coding section: <ul style="list-style-type: none"> ▪ Added ICD-10 Diagnosis (<i>Effective October 1, 2014</i>)
09-29-2015	Policy reviewed.
	In Coding section: <ul style="list-style-type: none"> ▪ Revised ICD-10 Diagnoses effective date to "<i>October 1, 2015</i>"
03-31-2016	In Policy section: <ul style="list-style-type: none"> ▪ Removed Item D, "Insulin pump therapy is considered not medically necessary in the morbidly obese (BMI \geq35) Type II diabetic with evidence of insulin resistance. (16-18)"
	Updated References section.
10-01-2016	In Coding section: <ul style="list-style-type: none"> ▪ Added ICD-10 codes effective 10-01-2016: E10.3211, E10.3212, E10.3213, E10.3291, E10.3292, E10.3293, E10.3311, E10.3312, E10.3313, E10.3391, E10.3392, E10.3393, E10.3411, E10.3412, E10.3413, E10.3491, E10.3492, E10.3493, E10.3511, E10.3512, E10.3513, E10.3521, E10.3522, E10.3523, E10.3531, E10.3532, E10.3533, E10.3541, E10.3542, E10.3543, E10.3551, E10.3552, E10.3553, E10.3591, E10.3592, E10.3593, E10.37X1, E10.37X2, E10.37X3, E11.3211, E11.3212, E11.3213, E11.3291, E11.3292, E11.3293, E11.3311, E11.3312, E11.3313, E11.3391, E11.3392, E11.3393, E11.3411, E11.3412, E11.3413, E11.3491, E11.3492, E11.3493, E11.3511, E11.3512, E11.3513, E11.3521, E11.3522, E11.3523, E11.3531, E11.3532, E11.3533, E11.3541, E11.3542, E11.3543, E11.3551, E11.3552, E11.3553, E11.3591, E11.3592, E11.3593, E11.37X1, E11.37X2, E11.37X3, E13.3211, E13.3212, E13.3213, E13.3291, E13.3292, E13.3293, E13.3311, E13.3312, E13.3313, E13.3391, E13.3392, E13.3393, E13.3411, E13.3412, E13.3413, E13.3491, E13.3492, E13.3493, E13.3511, E13.3512, E13.3513, E13.3521, E13.3522, E13.3523, E13.3531, E13.3532, E13.3533, E13.3541, E13.3542, E13.3543, E13.3551, E13.3552, E13.3553, E13.3591, E13.3592, E13.3593, E13.37X1, E13.37X2, E13.37X3 ▪ Termed ICD-10 codes effective 09-30-2016: E10.321, E10.329, E10.331, E10.339, E10.341, E10.349, E10.351, E10.359, E11.321, E11.329, E11.331, E11.339, E11.341, E11.349, E11.351, E11.359, E13.321, E13.329, E13.331, E13.339, E13.341, E13.349, E13.351, E13.359 ▪ Revised nomenclature to ICD-10 codes effective 10-01-2016: O24.011, O24.012, O24.013, O24.02, O24.03, O24.111, O24.112, O24.113, O24.12, O24.13
10-01-2017	In Coding section: <ul style="list-style-type: none"> ▪ Added ICD-10 codes: E11.10, E11.11.
	Updated References section.
01-16-2019	Updated Description section.

	In Coding section: ▪ Removed ICD-9 codes.
	Updated References section.
01-01-2020	In Coding section: ▪ Added HCPCS Codes: A4226, E0787
04-19-2021	Policy reviewed without revisions

REFERENCES

1. Bode BW, Steed RD, Davidson PC. Reduction in severe hypoglycemia with long-term continuous subcutaneous insulin infusion in type I diabetes. *Diabetes Care*. 1996; 19:324-27.
2. Bruttomesso D, Pianta A, Crassolara D, et al. Continuous subcutaneous insulin infusion (CSII) in the Veneto region: efficacy, acceptability, and quality of life. *Diabetic Medicine*. 2002; 19:628-34.
3. The Business of Insulin Pumps in Diabetes Care: Clinical and Economic Considerations. *Clinical Diabetes* 20:214-216, 2002.
4. DeVries JH, Snoek FJ, Kostense PJ, et al. A randomized trial of continuous subcutaneous insulin infusion and intensive injection therapy in type 1 diabetes for patients with long-standing poor glycemic control. *DiabetesCare*. 2002; 25(11):2074-80.
5. Hanaire-Broutin H., Melki V, Bessieres-Lacombe S, Tauber JP. Comparison of continuous subcutaneous insulin infusion and multiple daily injection regimens using insulin lispro in type 1 diabetic patients on intensified treatment: a randomized study. The Study Group for the Development of Pump Therapy in
6. Diabetes. *Diabetes Care*. 2000 Sep; 23(9):1232-5.
7. Pickup J, Keen H. Continuous subcutaneous insulin infusion at 25 years: evidence base for expanding use of insulin pump therapy in type 1 diabetes. *Diabetes Care*. 2002; 25(3):593-8.
8. Raskin P, Bode B, Marks J, et al. Continuous subcutaneous insulin infusion and multiple daily injection therapy are equally effective in type 2 diabetes. *Diabetes Care*. 2003; 26: 2598-2603.
9. Sanfield, JA, Hegstad M, Hanna RS. Protocol for outpatient screening and initiation of continuous subcutaneous insulin infusion therapy: impact on cost and quality. *The Diabetes Educator*. 2002; 28(4):599-607.
10. American Association of Clinical Endocrinologists (AACE)/American College of Endocrinology (ACE). Clinical Practice Guidelines for Developing a Diabetes Mellitus Comprehensive Care Plan – 2015. <https://www.aace.com/files/dm-guidelines-ccp.pdf>.
11. American Diabetes Association. Position Statement: Standards of medical care in diabetes. <http://www.diabetes.org/newsroom/press-releases/2015/2016-standards-of-medical-care-in-diabetes.html>. December 22, 2015.
12. American Diabetes Association. Insulin Pumps. <http://www.diabetes.org/living-with-diabetes/treatment-and-care/medication/insulin/insulin-pumps.html>. June 29, 2015.
13. Centers for Medicare and Medicaid Services. National Coverage Determination for Infusion Pumps. NCD #280.14. Effective February 4, 2005. <http://www.cms.hhs.gov/transmittals/downloads/R27NCD.pdf>. Accessed January 19, 2006.
14. Winifred S. Hayes, Inc. Insulin Pumps, External. February 2003. Accessed August 2017.
15. American Diabetes Association. <http://www.diabetes.org/home.jsp>. Accessed January 3, 2019.

Other References

1. Blue Cross and Blue Shield of Kansas Internal Medicine Liaison Committee, Internal Medicine Liaison (see Blue Cross and Blue Shield of Kansas Newsletter, Blue Shield Report. MAC-03-06).
2. Blue Cross and Blue Shield of Kansas Medical Advisory Committee (MAC) meeting, November 2, 2006 (see Blue Cross and Blue Shield of Kansas Newsletter, Blue Shield Report. MAC-03-06).
3. C&A Medical Consultant, Board Certified Endocrinologist (467), 3/26/12.
4. C&A Medical Consultant, Board Certified Internal Medicine, 09/20/12.
5. C&A Medical Consultant, Board Certified Endocrinologist (467), 10/12/12.