



# Patient Safety Indicator 03 (PSI 03) Pressure Ulcer Rate

## July 2021

### Hospital-Level Indicator

#### Type of Score: Rate

#### Prepared by:

Agency for Healthcare Research and Quality

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[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

#### DESCRIPTION

Stage III or IV (or unstageable) pressure ulcers (secondary diagnosis not present on admission) per 1,000 discharges among surgical or medical patients ages 18 years and older. Excludes stays less than 3 days; cases with a principal diagnosis of stage III or IV (or unstageable) pressure ulcer or deep tissue injury; cases with any secondary ICD-10-CM diagnosis code for deep tissue injury present on admission; severe burns; exfoliative skin disorders; obstetric cases.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report events per 1,000 hospital discharges.]

#### NUMERATOR

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-10-CM diagnosis code not present on admission for stage III or IV (or unstageable) pressure ulcer (*DECUBVD\**).

#### DENOMINATOR

Surgical or medical discharges for patients ages 18 years and older. Surgical (*Appendix E: SURGI2R*) and medical (*Appendix C: MEDIC2R*) discharges are defined by specific MS-DRG codes.

[\*Appendix C - Medical Discharge MS-DRGs\*](#)

[\*Appendix E - Surgical Discharge MS-DRGs\*](#)

## DENOMINATOR EXCLUSIONS

Exclude cases:

- with length of stay of less than 3 days
- with a principal ICD-10-CM diagnosis code for pressure ulcer stage III or IV (or unstageable pressure ulcer) or deep tissue injury (**DECUBEXD\***)
- with any secondary ICD-10-CM diagnosis code for deep tissue injury present on admission (**DTID\***)
- with any ICD-10-CM diagnosis code for severe burns ( $\geq 20\%$  body surface area) (**BURNDX\***)
- with any ICD-10-CM diagnosis code for exfoliative disorders of the skin ( $\geq 20\%$  body surface area) (**EXFOLIATXD\***)
- MDC 14 (pregnancy, childbirth, and puerperium)
- MDC 15 (newborns and other neonates with conditions originating in perinatal period)
- with an ungroupable DRG (DRG=999)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

\* See below for code list

***Pressure ulcer stage III or IV (or unstageable) diagnosis codes: (DECUBVD)***

L89000	Pressure ulcer of Unspecified elbow, unstageable	L89304	Pressure ulcer of Unspecified buttock, stage 4
L89003	Pressure ulcer of Unspecified elbow, stage 3	L89310	Pressure ulcer of right buttock, unstageable
L89004	Pressure ulcer of Unspecified elbow, stage 4	L89313	Pressure ulcer of right buttock, stage 3
L89010	Pressure ulcer of right elbow, unstageable	L89314	Pressure ulcer of right buttock, stage 4
L89013	Pressure ulcer of right elbow, stage 3	L89320	Pressure ulcer of left buttock, unstageable
L89014	Pressure ulcer of right elbow, stage 4	L89323	Pressure ulcer of left buttock, stage 3
L89020	Pressure ulcer of left elbow, unstageable	L89324	Pressure ulcer of left buttock, stage 4
L89023	Pressure ulcer of left elbow, stage 3	L8943	Pressure ulcer of contiguous site of back, buttock and hip, stage 3
L89024	Pressure ulcer of left elbow, stage 4	L8944	Pressure ulcer of contiguous site of back, buttock and hip, stage 4
L89100	Pressure ulcer of Unspecified part of back, unstageable	L8945	Pressure ulcer of contiguous site of back, buttock and hip, unstageable
L89103	Pressure ulcer of Unspecified part of back, stage 3	L89500	Pressure ulcer of Unspecified ankle, unstageable
L89104	Pressure ulcer of Unspecified part of back, stage 4	L89503	Pressure ulcer of Unspecified ankle, stage 3
L89110	Pressure ulcer of right upper back, unstageable	L89504	Pressure ulcer of Unspecified ankle, stage 4
L89113	Pressure ulcer of right upper back, stage 3	L89510	Pressure ulcer of right ankle, unstageable
L89114	Pressure ulcer of right upper back, stage 4	L89513	Pressure ulcer of right ankle, stage 3
L89120	Pressure ulcer of left upper back, unstageable	L89514	Pressure ulcer of right ankle, stage 4
L89123	Pressure ulcer of left upper back, stage 3	L89520	Pressure ulcer of left ankle, unstageable
L89124	Pressure ulcer of left upper back, stage 4	L89523	Pressure ulcer of left ankle, stage 3
L89130	Pressure ulcer of right lower back, unstageable	L89524	Pressure ulcer of left ankle, stage 4
L89133	Pressure ulcer of right lower back, stage 3	L89600	Pressure ulcer of Unspecified heel, unstageable
L89134	Pressure ulcer of right lower back, stage 4	L89603	Pressure ulcer of Unspecified heel, stage 3
L89140	Pressure ulcer of left lower back, unstageable	L89604	Pressure ulcer of Unspecified heel, stage 4
L89143	Pressure ulcer of left lower back, stage 3	L89610	Pressure ulcer of right heel, unstageable

L89144	Pressure ulcer of left lower back, stage 4	L89613	Pressure ulcer of right heel, stage 3
L89150	Pressure ulcer of sacral region, unstageable	L89614	Pressure ulcer of right heel, stage 4
L89153	Pressure ulcer of sacral region, stage 3	L89620	Pressure ulcer of left heel, unstageable
L89154	Pressure ulcer of sacral region, stage 4	L89623	Pressure ulcer of left heel, stage 3
L89200	Pressure ulcer of Unspecified hip, unstageable	L89624	Pressure ulcer of left heel, stage 4
L89203	Pressure ulcer of Unspecified hip, stage 3	L89810	Pressure ulcer of head, unstageable
L89204	Pressure ulcer of Unspecified hip, stage 4	L89813	Pressure ulcer of head, stage 3
L89210	Pressure ulcer of right hip, unstageable	L89814	Pressure ulcer of head, stage 4
L89213	Pressure ulcer of right hip, stage 3	L89890	Pressure ulcer of Other site, unstageable
L89214	Pressure ulcer of right hip, stage 4	L89893	Pressure ulcer of Other site, stage 3
L89220	Pressure ulcer of left hip, unstageable	L89894	Pressure ulcer of Other site, stage 4
L89223	Pressure ulcer of left hip, stage 3	L8993	Pressure ulcer of Unspecified site, stage 3
L89224	Pressure ulcer of left hip, stage 4	L8994	Pressure ulcer of Unspecified site, stage 4
L89300	Pressure ulcer of Unspecified buttock, unstageable	L8995	Pressure ulcer of Unspecified site, unstageable
L89303	Pressure ulcer of Unspecified buttock, stage 3		

***Pressure ulcer stage diagnosis codes ulcer stage III or IV (or unstageable pressure ulcer) or deep tissue injury (Denominator Exclusion): (DECUBEXD)***

L89000	Pressure ulcer of Unspecified elbow, unstageable	L89304	Pressure ulcer of Unspecified buttock, stage 4
L89003	Pressure ulcer of Unspecified elbow, stage 3	L89306	Pressure-Induced deep tissue damage of Unspecified buttock
L89004	Pressure ulcer of Unspecified elbow, stage 4	L89310	Pressure ulcer of right buttock, unstageable
L89006	Pressure-Induced deep tissue damage of Unspecified elbow	L89313	Pressure ulcer of right buttock, stage 3
L89010	Pressure ulcer of right elbow, unstageable	L89314	Pressure ulcer of right buttock, stage 4
L89013	Pressure ulcer of right elbow, stage 3	L89316	Pressure-Induced deep tissue damage of right buttock
L89014	Pressure ulcer of right elbow, stage 4	L89320	Pressure ulcer of left buttock, unstageable
L89016	Pressure-Induced deep tissue damage of right elbow	L89323	Pressure ulcer of left buttock, stage 3
L89020	Pressure ulcer of left elbow, unstageable	L89324	Pressure ulcer of left buttock, stage 4
L89023	Pressure ulcer of left elbow, stage 3	L89326	Pressure-Induced deep tissue damage of left buttock
L89024	Pressure ulcer of left elbow, stage 4	L8943	Pressure ulcer of contiguous site of back, buttock and hip, stage 3
L89026	Pressure-Induced deep tissue damage of left elbow	L8944	Pressure ulcer of contiguous site of back, buttock and hip, stage 4
L89100	Pressure ulcer of Unspecified part of back, unstageable	L8945	Pressure ulcer of contiguous site of back, buttock and hip, unstageable
L89103	Pressure ulcer of Unspecified part of back, stage 3	L8946	Pressure-Induced deep tissue damage of contiguous site of back, buttock and hip
L89104	Pressure ulcer of Unspecified part of back, stage 4	L89500	Pressure ulcer of Unspecified ankle, unstageable
L89106	Pressure-Induced deep tissue damage of Unspecified part of back	L89503	Pressure ulcer of Unspecified ankle, stage 3
L89110	Pressure ulcer of right upper back, unstageable	L89504	Pressure ulcer of Unspecified ankle, stage 4
L89113	Pressure ulcer of right upper back, stage 3	L89506	Pressure-Induced deep tissue damage of Unspecified ankle
L89114	Pressure ulcer of right upper back, stage 4	L89510	Pressure ulcer of right ankle, unstageable
L89116	Pressure-Induced deep tissue damage of right upper back	L89513	Pressure ulcer of right ankle, stage 3
L89120	Pressure ulcer of left upper back, unstageable	L89514	Pressure ulcer of right ankle, stage 4
L89123	Pressure ulcer of left upper back, stage 3	L89516	Pressure-Induced deep tissue damage of right ankle

L89124	Pressure ulcer of left upper back, stage 4	L89520	Pressure ulcer of left ankle, unstageable
L89126	Pressure-Induced deep tissue damage of left upper back	L89523	Pressure ulcer of left ankle, stage 3
L89130	Pressure ulcer of right lower back, unstageable	L89524	Pressure ulcer of left ankle, stage 4
L89133	Pressure ulcer of right lower back, stage 3	L89526	Pressure-Induced deep tissue damage of left ankle
L89134	Pressure ulcer of right lower back, stage 4	L89600	Pressure ulcer of Unspecified heel, unstageable
L89136	Pressure-Induced deep tissue damage of right lower back	L89603	Pressure ulcer of Unspecified heel, stage 3
L89140	Pressure ulcer of left lower back, unstageable	L89604	Pressure ulcer of Unspecified heel, stage 4
L89143	Pressure ulcer of left lower back, stage 3	L89606	Pressure-Induced deep tissue damage of Unspecified heel
L89144	Pressure ulcer of left lower back, stage 4	L89610	Pressure ulcer of right heel, unstageable
L89146	Pressure-Induced deep tissue damage of left lower back	L89613	Pressure ulcer of right heel, stage 3
L89150	Pressure ulcer of sacral region, unstageable	L89614	Pressure ulcer of right heel, stage 4
L89153	Pressure ulcer of sacral region, stage 3	L89616	Pressure-Induced deep tissue damage of right heel
L89154	Pressure ulcer of sacral region, stage 4	L89620	Pressure ulcer of left heel, unstageable
L89156	Pressure-Induced deep tissue damage of sacral region	L89623	Pressure ulcer of left heel, stage 3
L89200	Pressure ulcer of Unspecified hip, unstageable	L89624	Pressure ulcer of left heel, stage 4
L89203	Pressure ulcer of Unspecified hip, stage 3	L89626	Pressure-Induced deep tissue damage of left heel
L89204	Pressure ulcer of Unspecified hip, stage 4	L89810	Pressure ulcer of head, unstageable
L89206	Pressure-Induced deep tissue damage of Unspecified hip	L89813	Pressure ulcer of head, stage 3
L89210	Pressure ulcer of right hip, unstageable	L89814	Pressure ulcer of head, stage 4
L89213	Pressure ulcer of right hip, stage 3	L89816	Pressure-Induced deep tissue damage of head
L89214	Pressure ulcer of right hip, stage 4	L89890	Pressure ulcer of Other site, unstageable
L89216	Pressure-Induced deep tissue damage of right hip	L89893	Pressure ulcer of Other site, stage 3
L89220	Pressure ulcer of left hip, unstageable	L89894	Pressure ulcer of Other site, stage 4
L89223	Pressure ulcer of left hip, stage 3	L89896	Pressure-Induced deep tissue damage of Other site
L89224	Pressure ulcer of left hip, stage 4	L8993	Pressure ulcer of Unspecified site, stage 3

L89226	Pressure-Induced deep tissue damage of left hip	L8994	Pressure ulcer of Unspecified site, stage 4
L89300	Pressure ulcer of Unspecified buttock, unstageable	L8995	Pressure ulcer of Unspecified site, unstageable
L89303	Pressure ulcer of Unspecified buttock, stage 3	L8996	Pressure-Induced deep tissue damage of Unspecified site

***Deep tissue injury diagnosis codes: (DTID)***

L89006	Pressure-Induced deep tissue damage of Unspecified elbow	L89316	Pressure-Induced deep tissue damage of right buttock
L89016	Pressure-Induced deep tissue damage of right elbow	L89326	Pressure-Induced deep tissue damage of left buttock
L89026	Pressure-Induced deep tissue damage of left elbow	L8946	Pressure-Induced deep tissue damage of contiguous site of back, buttock and hip
L89106	Pressure-Induced deep tissue damage of Unspecified part of back	L89506	Pressure-Induced deep tissue damage of Unspecified ankle
L89116	Pressure-Induced deep tissue damage of right upper back	L89516	Pressure-Induced deep tissue damage of right ankle
L89126	Pressure-Induced deep tissue damage of left upper back	L89526	Pressure-Induced deep tissue damage of left ankle
L89136	Pressure-Induced deep tissue damage of right lower back	L89606	Pressure-Induced deep tissue damage of Unspecified heel
L89146	Pressure-Induced deep tissue damage of left lower back	L89616	Pressure-Induced deep tissue damage of right heel
L89156	Pressure-Induced deep tissue damage of sacral region	L89626	Pressure-Induced deep tissue damage of left heel
L89206	Pressure-Induced deep tissue damage of Unspecified hip	L89816	Pressure-Induced deep tissue damage of head
L89216	Pressure-Induced deep tissue damage of right hip	L89896	Pressure-Induced deep tissue damage of Other site
L89226	Pressure-Induced deep tissue damage of left hip	L8996	Pressure-Induced deep tissue damage of Unspecified site
L89306	Pressure-Induced deep tissue damage of Unspecified buttock		



**Severe burn diagnosis codes: (BURNDX)**

T3120	Burns involving 20-29% of body surface with 0% to 9% third degree burns	T3220	Corrosions involving 20-29% of body surface with 0% to 9% third degree corrosion
T3121	Burns involving 20-29% of body surface with 10-19% third degree burns	T3221	Corrosions involving 20-29% of body surface with 10-19% third degree corrosion
T3122	Burns involving 20-29% of body surface with 20-29% third degree burns	T3222	Corrosions involving 20-29% of body surface with 20-29% third degree corrosion
T3130	Burns involving 30-39% of body surface with 0% to 9% third degree burns	T3230	Corrosions involving 30-39% of body surface with 0% to 9% third degree corrosion
T3131	Burns involving 30-39% of body surface with 10-19% third degree burns	T3231	Corrosions involving 30-39% of body surface with 10-19% third degree corrosion
T3132	Burns involving 30-39% of body surface with 20-29% third degree burns	T3232	Corrosions involving 30-39% of body surface with 20-29% third degree corrosion
T3133	Burns involving 30-39% of body surface with 30-39% third degree burns	T3233	Corrosions involving 30-39% of body surface with 30-39% third degree corrosion
T3140	Burns involving 40-49% of body surface with 0% to 9% third degree burns	T3240	Corrosions involving 40-49% of body surface with 0% to 9% third degree corrosion
T3141	Burns involving 40-49% of body surface with 10-19% third degree burns	T3241	Corrosions involving 40-49% of body surface with 10-19% third degree corrosion
T3142	Burns involving 40-49% of body surface with 20-29% third degree burns	T3242	Corrosions involving 40-49% of body surface with 20-29% third degree corrosion
T3143	Burns involving 40-49% of body surface with 30-39% third degree burns	T3243	Corrosions involving 40-49% of body surface with 30-39% third degree corrosion
T3144	Burns involving 40-49% of body surface with 40-49% third degree burns	T3244	Corrosions involving 40-49% of body surface with 40-49% third degree corrosion
T3150	Burns involving 50-59% of body surface with 0% to 9% third degree burns	T3250	Corrosions involving 50-59% of body surface with 0% to 9% third degree corrosion
T3151	Burns involving 50-59% of body surface with 10-19% third degree burns	T3251	Corrosions involving 50-59% of body surface with 10-19% third degree corrosion

T3152	Burns involving 50-59% of body surface with 20-29% third degree burns	T3252	Corrosions involving 50-59% of body surface with 20-29% third degree corrosion
T3153	Burns involving 50-59% of body surface with 30-39% third degree burns	T3253	Corrosions involving 50-59% of body surface with 30-39% third degree corrosion
T3154	Burns involving 50-59% of body surface with 40-49% third degree burns	T3254	Corrosions involving 50-59% of body surface with 40-49% third degree corrosion
T3155	Burns involving 50-59% of body surface with 50-59% third degree burns	T3255	Corrosions involving 50-59% of body surface with 50-59% third degree corrosion
T3160	Burns involving 60-69% of body surface with 0% to 9% third degree burns	T3260	Corrosions involving 60-69% of body surface with 0% to 9% third degree corrosion
T3161	Burns involving 60-69% of body surface with 10-19% third degree burns	T3261	Corrosions involving 60-69% of body surface with 10-19% third degree corrosion
T3162	Burns involving 60-69% of body surface with 20-29% third degree burns	T3262	Corrosions involving 60-69% of body surface with 20-29% third degree corrosion
T3163	Burns involving 60-69% of body surface with 30-39% third degree burns	T3263	Corrosions involving 60-69% of body surface with 30-39% third degree corrosion
T3164	Burns involving 60-69% of body surface with 40-49% third degree burns	T3264	Corrosions involving 60-69% of body surface with 40-49% third degree corrosion
T3165	Burns involving 60-69% of body surface with 50-59% third degree burns	T3265	Corrosions involving 60-69% of body surface with 50-59% third degree corrosion
T3166	Burns involving 60-69% of body surface with 60-69% third degree burns	T3266	Corrosions involving 60-69% of body surface with 60-69% third degree corrosion
T3170	Burns involving 70-79% of body surface with 0% to 9% third degree burns	T3270	Corrosions involving 70-79% of body surface with 0% to 9% third degree corrosion
T3171	Burns involving 70-79% of body surface with 10-19% third degree burns	T3271	Corrosions involving 70-79% of body surface with 10-19% third degree corrosion
T3172	Burns involving 70-79% of body surface with 20-29% third degree burns	T3272	Corrosions involving 70-79% of body surface with 20-29% third degree corrosion

T3173	Burns involving 70-79% of body surface with 30-39% third degree burns	T3273	Corrosions involving 70-79% of body surface with 30-39% third degree corrosion
T3174	Burns involving 70-79% of body surface with 40-49% third degree burns	T3274	Corrosions involving 70-79% of body surface with 40-49% third degree corrosion
T3175	Burns involving 70-79% of body surface with 50-59% third degree burns	T3275	Corrosions involving 70-79% of body surface with 50-59% third degree corrosion
T3176	Burns involving 70-79% of body surface with 60-69% third degree burns	T3276	Corrosions involving 70-79% of body surface with 60-69% third degree corrosion
T3177	Burns involving 70-79% of body surface with 70-79% third degree burns	T3277	Corrosions involving 70-79% of body surface with 70-79% third degree corrosion
T3180	Burns involving 80-89% of body surface with 0% to 9% third degree burns	T3280	Corrosions involving 80-89% of body surface with 0% to 9% third degree corrosion
T3181	Burns involving 80-89% of body surface with 10-19% third degree burns	T3281	Corrosions involving 80-89% of body surface with 10-19% third degree corrosion
T3182	Burns involving 80-89% of body surface with 20-29% third degree burns	T3282	Corrosions involving 80-89% of body surface with 20-29% third degree corrosion
T3183	Burns involving 80-89% of body surface with 30-39% third degree burns	T3283	Corrosions involving 80-89% of body surface with 30-39% third degree corrosion
T3184	Burns involving 80-89% of body surface with 40-49% third degree burns	T3284	Corrosions involving 80-89% of body surface with 40-49% third degree corrosion
T3185	Burns involving 80-89% of body surface with 50-59% third degree burns	T3285	Corrosions involving 80-89% of body surface with 50-59% third degree corrosion
T3186	Burns involving 80-89% of body surface with 60-69% third degree burns	T3286	Corrosions involving 80-89% of body surface with 60-69% third degree corrosion
T3187	Burns involving 80-89% of body surface with 70-79% third degree burns	T3287	Corrosions involving 80-89% of body surface with 70-79% third degree corrosion
T3188	Burns involving 80-89% of body surface with 80-89% third degree burns	T3288	Corrosions involving 80-89% of body surface with 80-89% third degree corrosion

T3190	Burns involving 90% or more of body surface with 0% to 9% third degree burns	T3290	Corrosions involving 90% or more of body surface with 0% to 9% third degree corrosion
T3191	Burns involving 90% or more of body surface with 10-19% third degree burns	T3291	Corrosions involving 90% or more of body surface with 10-19% third degree corrosion
T3192	Burns involving 90% or more of body surface with 20-29% third degree burns	T3292	Corrosions involving 90% or more of body surface with 20-29% third degree corrosion
T3193	Burns involving 90% or more of body surface with 30-39% third degree burns	T3293	Corrosions involving 90% or more of body surface with 30-39% third degree corrosion
T3194	Burns involving 90% or more of body surface with 40-49% third degree burns	T3294	Corrosions involving 90% or more of body surface with 40-49% third degree corrosion
T3195	Burns involving 90% or more of body surface with 50-59% third degree burns	T3295	Corrosions involving 90% or more of body surface with 50-59% third degree corrosion
T3196	Burns involving 90% or more of body surface with 60-69% third degree burns	T3296	Corrosions involving 90% or more of body surface with 60-69% third degree corrosion
T3197	Burns involving 90% or more of body surface with 70-79% third degree burns	T3297	Corrosions involving 90% or more of body surface with 70-79% third degree corrosion
T3198	Burns involving 90% or more of body surface with 80-89% third degree burns	T3298	Corrosions involving 90% or more of body surface with 80-89% third degree corrosion
T3199	Burns involving 90% or more of body surface with 90% or more third degree burns	T3299	Corrosions involving 90% or more of body surface with 90% or more third degree corrosion

***Exfoliative skin disorder diagnosis codes: (EXFOLIATXD)***

L492	Exfoliation due to erythematous condition involving 20-29 percent of body surface	L496	Exfoliation due to erythematous condition involving 60-69 percent of body surface
L493	Exfoliation due to erythematous condition involving 30-39 percent of body surface	L497	Exfoliation due to erythematous condition involving 70-79 percent of body surface
L494	Exfoliation due to erythematous condition involving 40-49 percent of body surface	L498	Exfoliation due to erythematous condition involving 80-89 percent of body surface
L495	Exfoliation due to erythematous condition involving 50-59 percent of body surface	L499	Exfoliation due to erythematous condition involving 90 or more percent of body surface