

FC Dallas: Roster Efficiency & Player Value Report

1. EXECUTIVE SUMMARY

FC Dallas's roster shows a lower percentage of valuable players compared to other teams analyzed, with a net-negative average impact suggesting the team is better with its players overall. The single greatest strength is the Designated Player forward group, which has consistently delivered negative percent change values (-3% to -9%) across multiple seasons. The most urgent roster need is the 2023-2025 Designated/Young Designated midfielders, who show positive percent change (+5%), and the overall inefficiency of the supplemental roster, where most players show positive (harmful) percent change.

2. PLAYER ABSENCE IMPACT METRIC

The *Player Absence Impact* metric, derived from the Lasso regression model, quantifies an individual player's marginal contribution to team performance. The process simulates the team's Pythagorean Expectation (PE) score with the player on the roster and then recalculates it after removing that single player.

The resulting **percent change** (% change) is the key indicator:

- **Negative percent change** (e.g., -19.6%) means the team's PE score *decreases* without the player, identifying a **valuable** asset.
- **Positive percent change** means the team's PE score *increases* without the player, identifying a **replaceable** or potentially harmful contract.

This metric allows the front office to evaluate roster construction efficiency by isolating each player's true on-field impact.

3. ROSTER HEALTH OVERVIEW

- **Genuinely Impactful (Percent change < -5.0%): 13.0%** (19 of 146 player-seasons). These players significantly hurt the team if removed.
- **Not Impactful / Replaceable (Percent change > 5.0%): 12.3%** (18 of 146 player-seasons). The team performs better without these players.

Team Summary (from team_summary.csv):

- Total player-seasons analyzed: 146
- Percentage of roster that is valuable (percent change < 0): **37.0%** (lowest among teams analyzed so far)
- Average percent change across all players: **-0.80%** (net-negative, meaning on average the team is better with these players)
- Average impact magnitude: 2.5%

4. DESIGNATED PLAYER ROI AUDIT

Player	Year	Salary	PE % change	Value Verdict
2021 F	2021	\$2,977,000	-3.95%	Core
2021 M	2021	\$700,000	-0.32%	Core (Marginal)
2022 F	2022	\$3,227,000	-7.13%	Core
2022 F	2022	\$1,499,000	-5.48%	Core
2022 F (Young DP)	2022	\$1,305,000	-4.31%	Core
2023 F	2023	\$1,852,000	-7.63%	Core
2023 M	2023	\$1,729,400	+5.00%	Harmful
2023 F (Young DP)	2023	\$1,401,000	-7.20%	Core
2024 F (Intl.)	2024	\$2,230,000	-9.42%	Elite Core
2024 F	2024	\$2,204,000	-9.40%	Elite Core
2024 M	2024	\$1,729,400	+5.18%	Harmful
2024 F (Young DP)	2024	\$1,591,667	-7.17%	Core
2025 F (Intl.)	2025	\$2,680,000	-3.07%	Core

- **Flagged (Percent change < 0 - Valuable):** 11 of 13 Designated Player seasons show negative percent change. The forward DPs are consistently excellent.
- **Flagged (Percent change > 0 - Harmful): 2 players** – 2023 M DP (+5.00%) and 2024 M DP (+5.18%). Both are Designated midfielders, representing a clear positional weakness.

5. ALLOCATION MONEY EFFICIENCY (TAM / U22-INITIATIVE)

- **TAM Contributors (Negative Percent change):** TAM players show mixed results. Valuable TAM contributors include a 2022 M TAM (+0.39% - *positive, not valuable*), 2024 M TAM (-0.55%, -0.43%), 2025 M TAM (-0.04%), 2025 F TAM (-1.00%), 2025 D TAM (-4.53%), and 2025 D TAM (-0.17%). However, several TAM players show positive percent change: 2025 M TAM (+2.31%).
- **U22-Initiative Impact:** U22 slots are generally ineffective, with most showing positive percent change:
 - 2023 D U22 (Intl.): +0.19% (marginal)
 - 2023 F U22: +2.55% (harmful)
 - 2024 D U22 (Intl.): -0.08% (valuable)

- 2024 F U22 (Intl.): +2.25% (harmful)
- 2025 D U22 (Intl.): -0.62% (valuable)
- 2025 M U22 (Intl.): +0.44% (marginal)
- 2025 D U22 (Intl.): +2.47% (harmful)

Top 3 TAM "Steals" (Most Negative Percent change):

1. **2025 D TAM** (\$770,000, -4.53%)
2. **2025 F TAM** (\$820,000, -1.00%)
3. **2024 M TAM** (\$1,058,000, -0.55%)

Note: FC Dallas has few strongly negative TAM players; most TAM impacts are near zero.

6. HOMEGROWN PLAYER EVALUATION

Player	Year	Salary	PE % change
2025 F Homegrown	2025	\$155,942	+1.87%
2025 D Homegrown	2025	\$143,642	+2.70%
2025 M Homegrown	2025	\$94,263	+0.79%
2025 GK Homegrown	2025	\$93,047	+11.65%
2025 F Homegrown	2025	\$80,622	+1.79%
2024 GK Homegrown	2024	\$144,519	+5.88%
2024 D Homegrown	2024	\$108,358	-0.76%
2023 D Homegrown	2023	\$86,002	+0.86%

- **Ready for Roster Promotion (Negative Percent change + Low Salary):**

- **2024 D Homegrown (\$108,358, -0.76%):** The only homegrown player with negative percent change. This represents a significant gap in homegrown development.

7. INTERNATIONAL SLOT OPTIMIZATION

Player	Year	Pos	Salary	PE % change	Justifies Slot?
2024 F	2024	F	\$2,230,000	-9.42%	Yes
2025 F	2025	F	\$2,680,000	-3.07%	Yes
2024 M	2024	M	\$504,350	+0.43%	No
2024 D U22	2024	D	\$347,000	-0.08%	Yes
2024 F U22	2024	F	\$345,000	+2.25%	No
2025 M	2025	M	\$504,350	+0.46%	No

Player	Year	Pos	Salary	PE % change	Justifies Slot?
2025 M	2025	M	\$500,000	+0.46%	No
2025 D U22	2025	D	\$397,000	-0.62%	Yes
2025 M U22	2025	M	\$260,280	+0.44%	No
2025 D U22	2025	D	\$201,900	+2.47%	No
2025 F	2025	F	\$104,000	+1.87%	No
2025 D	2025	D	\$92,740	+1.50%	No
2024 M	2024	M	\$71,401	+0.23%	No

- **Flagged Slot Misuse (Percent change > 5%):**
 - **2024 GK Homegrown (\$144,519, +5.88%)** – homegrown international slot misuse
 - **2025 GK Homegrown (\$93,047, +11.65%)** – severe misuse of homegrown international slot

8. POSITIONAL DEPTH AUDIT

Position	Senior Count	Supplemental Count	Critical Upgrade Need?	Strength Area?
F (Forward)	16	7	No	Yes (DP forwards are consistently valuable; TAM forwards also contribute)
M (Midfielder)	19	5	Yes	No (DP midfielders are harmful; TAM midfielders are near-neutral; homegrown midfielders are positive)
D (Defender)	20	7	No	Yes (Several defenders show strong negative impact; TAM defenders effective)
GK (Goalkeeper)	5	5	Yes	No (Homegrown GKs show strongly positive percent change; senior GKs are mixed)

- **Critical Need:** Midfielder position (DP level) and Goalkeeper position (homegrown development).
- **Strength:** Forward position is an organizational strength. Defender position also shows consistent value.

9. SALARY vs. VALUE MATRIX

Quadrant	Definition	Players (Top 5 or All)
CORE ASSET	% change < 0 & Salary > \$500K	2024 F DP (\$2.23M, -9.42%), 2024 F DP (\$2.20M, -9.40%), 2023 F DP (\$1.85M, -7.63%), 2023 F Young DP (\$1.40M, -7.20%), 2024 F Young DP (\$1.59M, -7.17%)
HIDDEN GEM	% change < 0 & Salary ≤ \$500K	2021 D (\$850K - over \$500K, not hidden), 2021 D (\$673K - over \$500K), 2022 D (\$900K - over \$500K). Very few sub-\$500K negative impact players; this is a concern.
OVERPAID	% change ≥ 0 & Salary > \$500K	All in this quadrant: 2023 M DP (\$1.73M, +5.00%), 2024 M DP (\$1.73M, +5.18%), 2021 D (\$850K, -19.58% - negative, not overpaid), 2021 D (\$673K, -16.67% - negative), 2022 D (\$900K, -14.53% - negative)
REPLACEABLE	% change ≥ 0 & Salary ≤ \$500K	Most senior midfielders with marginal positive percent change, most U22 players, the majority of homegrown players, and a large portion of the supplemental roster.

10. YEAR-OVER-YEAR TRENDS

- **Designated Player ROI: Excellent for forwards, poor for midfielders.** Forward DPs have consistently delivered negative impact (-3% to -9%) across 2021-2025. Midfielder DPs (2023-2024) have been harmful (+5%). This suggests positional scouting strength at forward and weakness at midfield.

- **TAM Efficiency: Mediocre.** Most TAM players show near-zero percent change, indicating neither strong value nor strong harm. FC Dallas does not extract significant surplus value from TAM slots.
- **U22 Efficiency: Poor.** The majority of U22 players show positive percent change, indicating this roster mechanism is not being used effectively.
- **Homegrown Impact: Poor to concerning.** Most homegrown players show positive percent change, with goalkeepers showing strongly positive (+5% to +11%). The 2024 D Homegrown (-0.76%) is the only negative-impact homegrown player. This represents a significant gap in academy-to-first-team pipeline efficiency.
- **Goalkeeper Trend: Concerning.** Homegrown GKs are severely harmful (+5% to +11%). Senior GKs are mixed. This position requires immediate attention.

11. SUMMARY FIGURES

Figure 1 - Designation Analysis
 (Negative % = Team Gets Worse Without Player = Valuable Player)

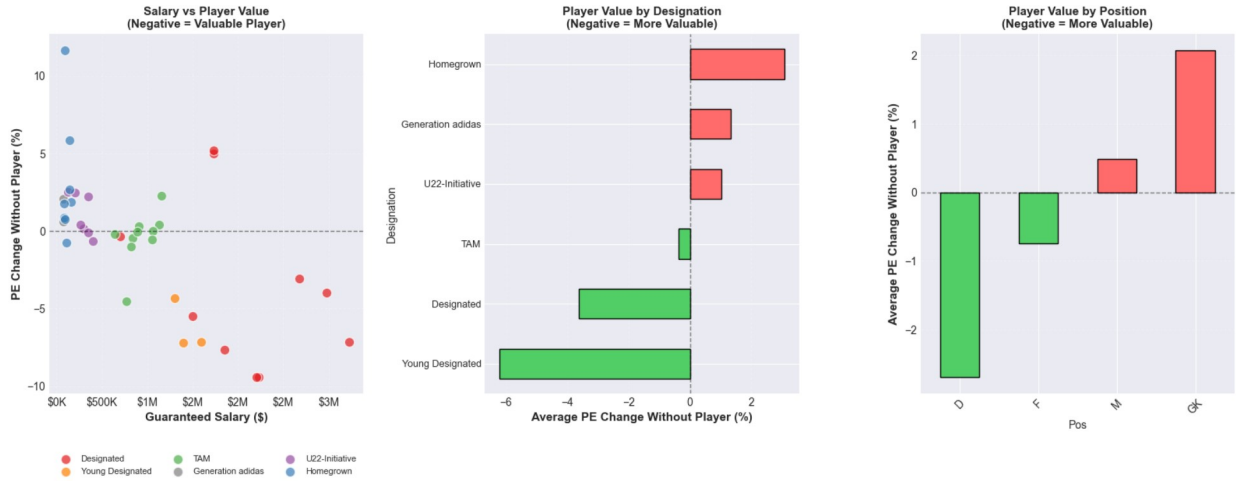


Figure 2 - International Analysis
 (Negative % = Team Gets Worse Without Player = Valuable Player)

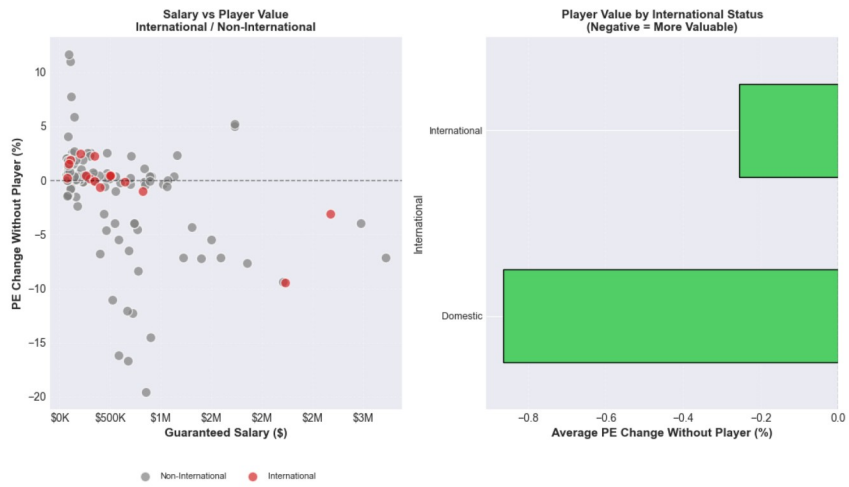


Figure 3 - Senior/Supplemental Analysis
 (Negative % = Team Gets Worse Without Player = Valuable Player)

