

| Variable | Univariate analysis* | | |
|--|----------------------|------------------|------------------|
| | Coefficient | Standard Error | P value |
| Demographics | | | |
| Age at time of CAR-T therapy | -0.32 | 0.09 | 0.001 |
| Sex (male vs female) | -1.96 | 2.60 | 0.46 |
| Race (white vs other) | 2.84 | 3.29 | 0.39 |
| Marital status (non-married vs married) | 3.76 | 2.96 | 0.21 |
| Employment status (not working, but not due to health vs working) | -6.42 | 2.93 | 0.04 |
| Employment status (unable to work due to health issues vs working) | -2.10 | 2.87 | 0.47 |
| Medical Factors | | | |
| Diagnosis (CLL vs ALL) | -3.86 | 3.11 | 0.22 |
| Diagnosis (NHL vs ALL) | -0.20 | 3.14 | 0.95 |
| # of Prior lines of therapy | 0.12 0.26 | 0.65 0.67 | 0.86 0.70 |
| CNS disease involvement (yes vs no) | -0.83 0.62 | 3.84 3.73 | 0.83 0.87 |
| CNS directed chemotherapy before CAR-T (yes vs no) | 2.25 | 2.99 | 0.46 |
| CRS (2-4 vs 0-1) | 3.03 | 2.50 | 0.23 |
| Neurotoxicity (2-4 vs 0-1) | 1.81 | 2.60 | 0.49 |
| Allo HCT before CAR-T (versus no Allo HCT at any time) | 1.64 | 3.13 | 0.60 |
| Allo HCT after CAR-T (versus no Allo HCT at any time) | 4.42 | 3.01 | 0.15 |
| Remission status (remission vs not in remission as time of questionnaire completion) | -0.90 | 3.41 | 0.79 |
| Assessment year after CAR-T cells | 0.92 | 1.29 | 0.48 |
| Psychiatric Problems before CAR-T (yes vs no) | | | |

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|------------------------|------|------|-------|
| Depression | 1.03 | 2.87 | 0.72 |
| Anxiety [†] | 9.21 | 2.49 | 0.001 |
| Insomnia | 0.83 | 2.89 | 0.78 |
| Substance Use Disorder | 2.70 | 5.44 | 0.62 |
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659 * Adjusted for anxiety prior to CAR-T therapy

660 † Not adjusted for anxiety prior to CAR-T therapy

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663 **Supplemental Table 2. Regression Analysis for Risk Factor for PROMIS depression Score**

| Variable | Univariate analysis* | | |
|---|----------------------|------------------|------------------|
| | Coefficient | Standard Error | P value |
| Demographics | | | |
| Age at time of CAR-T therapy | -0.30 | 0.10 | 0.01 |
| Sex (male vs female) | -0.95 | 3.12 | 0.76 |
| Race (white vs other) | 0.14 | 3.43 | 0.97 |
| Marital status (non-married vs married) | -1.25 | 3.16 | 0.69 |
| Employment status (not working, but not due to health vs working) | -2.54 | 3.21 | 0.43 |
| Employment status (unable to work due to health issues vs working) | -2.35 | 3.26 | 0.48 |
| Medical Factors | | | |
| Diagnosis (CLL vs ALL) | -6.40 | 3.17 | 0.05 |
| Diagnosis (NHL vs ALL) | -0.78 | 3.17 | 0.81 |
| # of Prior lines of therapy | 0.93 1.12 | 0.71 0.72 | 0.20 0.13 |
| CNS disease involvement (yes vs no) | 1.31 1.42 | 3.74 3.70 | 0.73 0.70 |
| CNS directed chemotherapy before CAR-T (yes vs no) | 2.29 | 2.71 | 0.40 |
| CRS (2-4 vs 0-1) | 1.63 | 2.61 | 0.53 |
| Neurotoxicity (2-4 vs 0-1) | -1.02 | 2.74 | 0.71 |
| Allo HCT before CAR-T (versus no Allo HCT at any time) | 1.64 | 3.13 | 0.60 |

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|---|-------|------|------|
| Allo HCT after CAR-T (versus no Allo HCT at any time) | 4.42 | 3.01 | 0.15 |
| Remission status (remission vs not in remission at time of questionnaire completion) | -6.53 | 3.43 | 0.06 |
| Assessment year after CAR-T cells | 0.71 | 1.17 | 0.55 |
| Psychiatric Problems before CAR-T (yes vs no) | | | |
| Depression [†] | 1.48 | 2.80 | 0.60 |
| Anxiety | 4.64 | 2.67 | 0.09 |
| Insomnia | -0.21 | 2.65 | 0.94 |
| Substance Use Disorder | -2.91 | 4.92 | 0.56 |

664 * Adjusted for depression prior to CAR-T therapy

665 † Not adjusted for depression prior to CAR-T therapy

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Supplemental Table 3. Regression Analysis for Risk Factor for PROMIS Global Physical Score

| Variable | Univariate | | |
|---|-------------------------------|-----------------------------|-----------------------------|
| | Coefficient | Standard Error | P value |
| Demographics | | | |
| Age at time of CAR-T therapy | 0.14 | 0.12 | 0.24 |
| Sex (male vs female) | 1.04 | 2.97 | 0.61 |
| Race (white vs other) | 0.79 | 3.79 | 0.91 |
| Marital status (non-married vs married) | -4.09 | 3.38 | 0.17 |
| Employment status (not working, but not due to health vs working) | 2.04 | 2.91 | 0.35 |
| Employment status (unable to work due to health issues vs working) | -10.29 | 2.83 | 0.001 |
| Medical Factors | | | |
| Diagnosis (CLL vs ALL) | 5.94 | 3.50 | 0.09 |
| Diagnosis (NHL vs ALL) | 1.34 | 3.56 | 0.78 |
| # of Prior lines of therapy | 0.66 0.77 | 0.75 0.89 | 0.33 0.39 |
| CNS disease involvement (yes vs no) | -5.02 -6.35 | 4.00 4.57 | 0.18 0.17 |
| CNS directed chemotherapy before CAR-T (yes vs no) | -3.09 | 3.47 | 0.38 |
| CRS (2-4 vs 0-1) | -4.21 | 2.81 | 0.09 |
| Neurotoxicity (2-4 vs 0-1) | -2.10 | 3.00 | 0.28 |
| Allo HCT before CAR-T (versus no Allo HCT at any time) | -6.88 | 3.92 | 0.09 |
| Allo HCT after CAR-T (versus no Allo HCT at any time) | -6.75 | 3.82 | 0.09 |
| Remission status (remission vs not in remission at time of questionnaire completion) | -0.11 | 3.79 | 0.75 |
| Assessment year after CAR-T cells | -1.06 | 1.28 | 0.37 |
| Psychiatric Problems before CAR-T (yes vs no) | | | |

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|------------------------|-------|------|------|
| Depression | -2.75 | 3.11 | 0.38 |
| Anxiety | -2.58 | 2.88 | 0.45 |
| Insomnia | -1.95 | 2.88 | 0.36 |
| Substance Use Disorder | -1.83 | 5.46 | 0.96 |

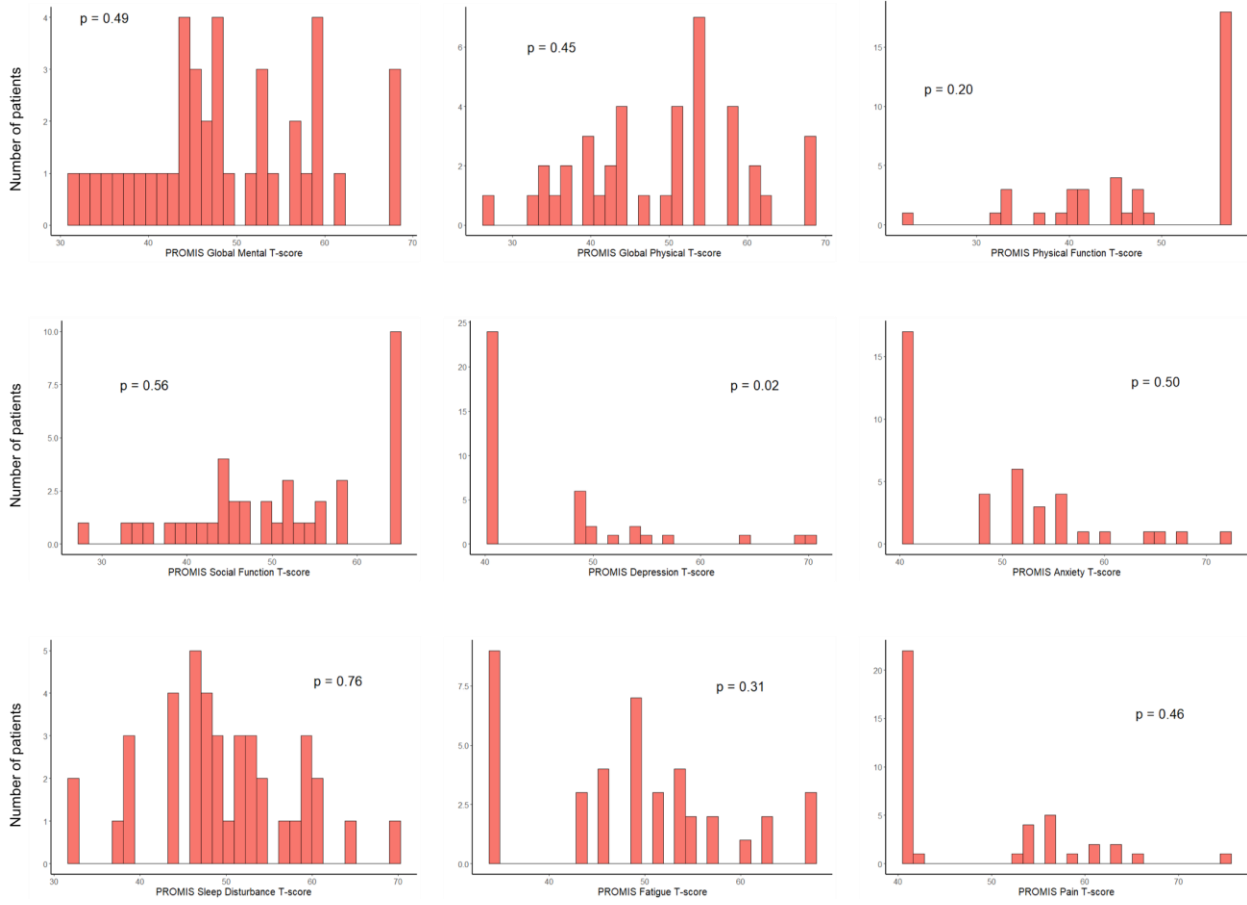
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673 **Supplemental Figure 1. PROMIS scores histograms**

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