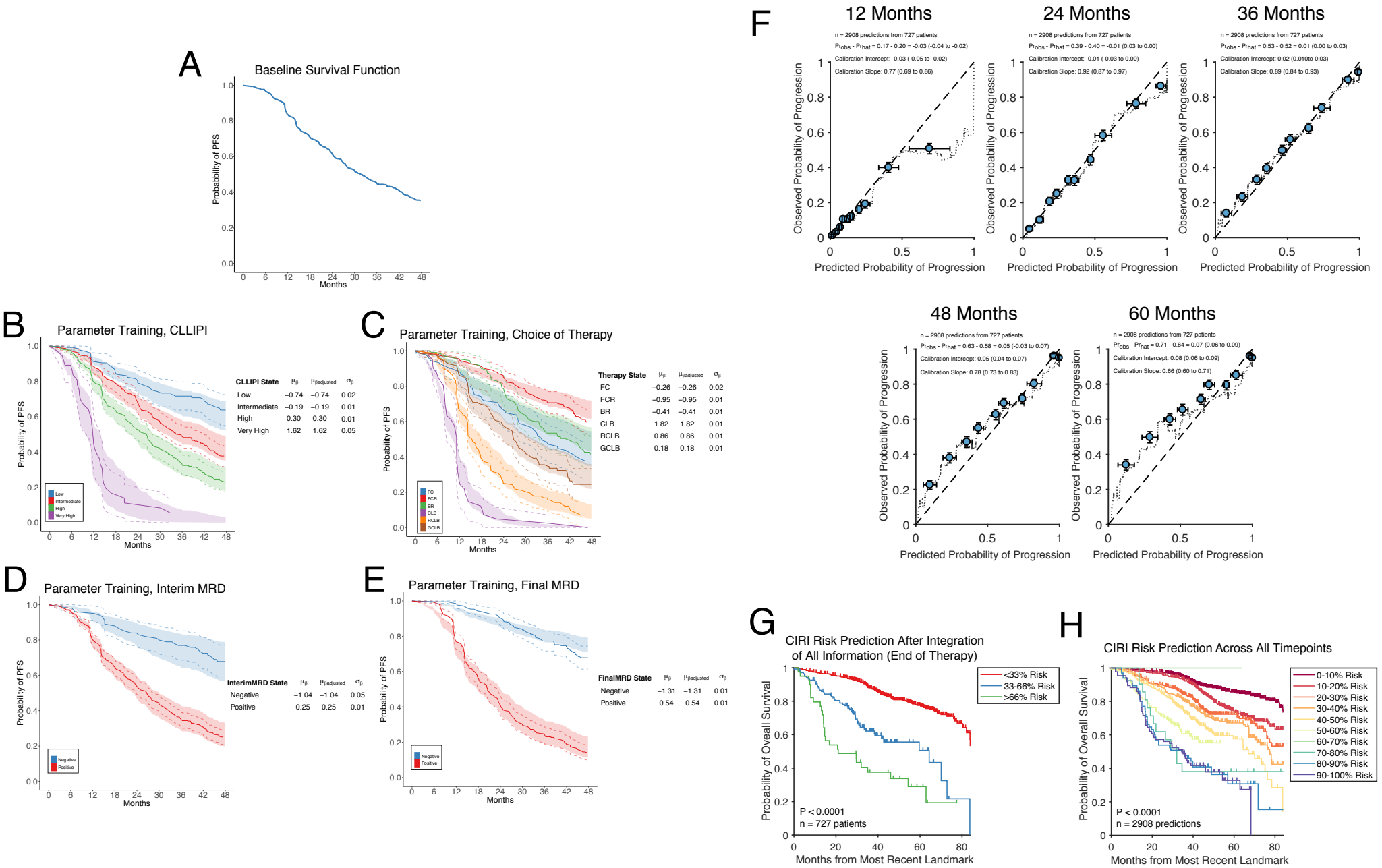
Figure S3


A
Baseline Survival Function
Probability of PFS
Months
B
Parameter Training, CLLIPI
Probability of PFS
Months
Low
Intermediate
High
Very High
CLLIPI State | μ_β | $\mu_{\beta adjusted}$ | σ_β
Low | −0.74 | −0.74 | 0.02
Intermediate | −0.19 | −0.19 | 0.01
High | 0.30 | 0.30 | 0.01
Very High | 1.62 | 1.62 | 0.05
C
Parameter Training, Choice of Therapy
Probability of PFS
Months
FC
FCR
BR
CLB
RCLB
GCLB
Therapy State | μ_β | $\mu_{\beta adjusted}$ | σ_β
FC | −0.26 | −0.26 | 0.02
FCR | −0.95 | −0.95 | 0.01
BR | −0.41 | −0.41 | 0.01
CLB | 1.82 | 1.82 | 0.01
RCLB | 0.86 | 0.86 | 0.01
GCLB | 0.18 | 0.18 | 0.01
D
Parameter Training, Interim MRD
Probability of PFS
Months
Negative
Positive
InterimMRD State | μ_β | $\mu_{\beta adjusted}$ | σ_β
Negative | −1.04 | −1.04 | 0.05
Positive | 0.25 | 0.25 | 0.01
E
Parameter Training, Final MRD
Probability of PFS
Months
Negative
Positive
FinalMRD State | μ_β | $\mu_{\beta adjusted}$ | σ_β
Negative | −1.31 | −1.31 | 0.01
Positive | 0.54 | 0.54 | 0.01
F
12 Months
n = 2908 predictions from 727 patients
Pr_{obs} - Pr_{hat} = 0.17 - 0.20 = -0.03 (-0.04 to -0.02)
Calibration Intercept: -0.03 (-0.05 to -0.02)
Calibration Slope: 0.77 (0.69 to 0.86)
24 Months
n = 2908 predictions from 727 patients
Pr_{obs} - Pr_{hat} = 0.39 - 0.40 = -0.01 (0.03 to 0.00)
Calibration Intercept: -0.01 (-0.03 to 0.00)
Calibration Slope: 0.92 (0.87 to 0.97)
36 Months
n = 2908 predictions from 727 patients
Pr_{obs} - Pr_{hat} = 0.53 - 0.52 = 0.01 (0.00 to 0.03)
Calibration Intercept: 0.02 (0.010to 0.03)
Calibration Slope: 0.89 (0.84 to 0.93)
48 Months
n = 2908 predictions from 727 patients
Pr_{obs} - Pr_{hat} = 0.63 - 0.58 = 0.05 (-0.03 to 0.07)
Calibration Intercept: 0.05 (0.04 to 0.07)
Calibration Slope: 0.78 (0.73 to 0.83)
60 Months
n = 2908 predictions from 727 patients
Pr_{obs} - Pr_{hat} = 0.71 - 0.64 = 0.07 (0.06 to 0.09)
Calibration Intercept: 0.08 (0.06 to 0.09)
Calibration Slope: 0.66 (0.60 to 0.71)
Observed Probability of Progression
Predicted Probability of Progression
G
CIRI Risk Prediction After Integration of All Information (End of Therapy)
<33% Risk
33-66% Risk
>66% Risk
P < 0.0001
n = 727 patients
Probability of Oveall Survival
Months from Most Recent Landmark
H
CIRI Risk Prediction Across All Timepoints
0-10% Risk
10-20% Risk
20-30% Risk
30-40% Risk
40-50% Risk
50-60% Risk
60-70% Risk
70-80% Risk
80-90% Risk
90-100% Risk
P < 0.0001
n = 2908 predictions
Probability of Overall Survival
Months from Most Recent Landmark