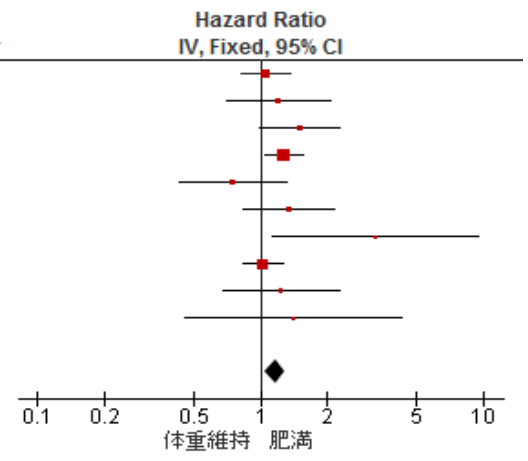


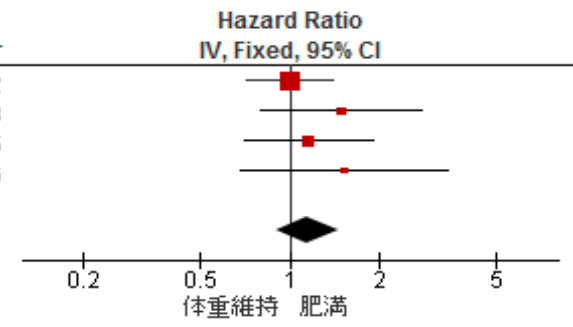
Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Fixed, 95% CI	Year
Sparano E1199 2012	0.0583	0.131	17.6%	1.06 [0.82, 1.37]	2012
Pajares 2013	0.1823	0.275	4.0%	1.20 [0.70, 2.06]	2013
Turkoz 2013	0.4055	0.2069	7.1%	1.50 [1.00, 2.25]	2013
Crozier 2013	0.2469	0.1011	29.6%	1.28 [1.05, 1.56]	2013
Mazzarella ER+HER2+ 2013	-0.2877	0.2838	3.8%	0.75 [0.43, 1.31]	2013
Mazzarella ER-HER2+ 2013	0.2927	0.2383	5.3%	1.34 [0.84, 2.14]	2013
Widschwender 2015	1.1878	0.5392	1.0%	3.28 [1.14, 9.44]	2015
Cecchini B-31 2016	0.0198	0.1052	27.4%	1.02 [0.83, 1.25]	2016
Kawai 2016	0.2151	0.3065	3.2%	1.24 [0.68, 2.26]	2016
Abubaker 2018	0.3436	0.5715	0.9%	1.41 [0.46, 4.32]	2018

Total (95% CI) 100.0% **1.16 [1.05, 1.30]**
 Heterogeneity: Chi² = 11.08, df = 9 (P = 0.27); I² = 19%
 Test for overall effect: Z = 2.76 (P = 0.006)



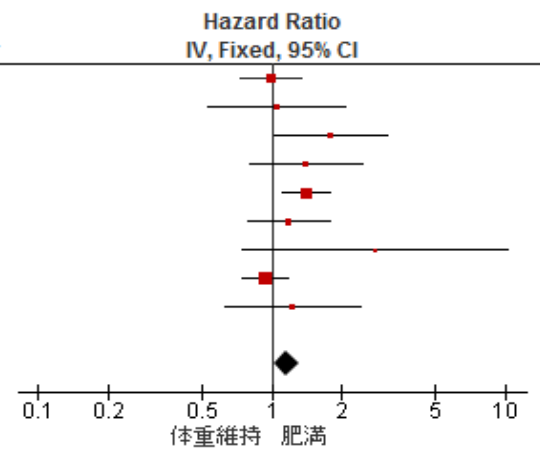
Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Fixed, 95% CI	Year
Sparano E1199 2012	0	0.1747	51.7%	1.00 [0.71, 1.41]	2012
Pajares 2013	0.4055	0.3207	15.3%	1.50 [0.80, 2.81]	2013
Jeon 2015	0.1484	0.2577	23.8%	1.16 [0.70, 1.92]	2015
Kawai 2016	0.4253	0.4137	9.2%	1.53 [0.68, 3.44]	2016

Total (95% CI) 100.0% **1.15 [0.90, 1.47]**
 Heterogeneity: Chi² = 1.80, df = 3 (P = 0.61); I² = 0%
 Test for overall effect: Z = 1.09 (P = 0.28)



Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Fixed, 95% CI	Year
Sparano E1199 2012	-0.0101	0.1554	16.5%	0.99 [0.73, 1.34]	2012
Mazzarella ER+HER2+ 2013	0.0488	0.3488	3.3%	1.05 [0.53, 2.08]	2013
Mazzarella ER-HER2+ 2013	0.5822	0.282	5.0%	1.79 [1.03, 3.11]	2013
Pajares 2013	0.3365	0.2855	4.9%	1.40 [0.80, 2.45]	2013
Turkoz 2013	0.3365	0.123	26.4%	1.40 [1.10, 1.78]	2013
Jeon 2015	0.1655	0.2047	9.5%	1.18 [0.79, 1.76]	2015
Widschwender 2015	1.0225	0.6684	0.9%	2.78 [0.75, 10.30]	2015
Cecchini B-31 2016	-0.0619	0.1152	30.1%	0.94 [0.75, 1.18]	2016
Abubaker 2018	0.207	0.3414	3.4%	1.23 [0.63, 2.40]	2018

Total (95% CI) 100.0% **1.16 [1.02, 1.31]**
 Heterogeneity: Chi² = 11.34, df = 8 (P = 0.18); I² = 29%
 Test for overall effect: Z = 2.34 (P = 0.02)



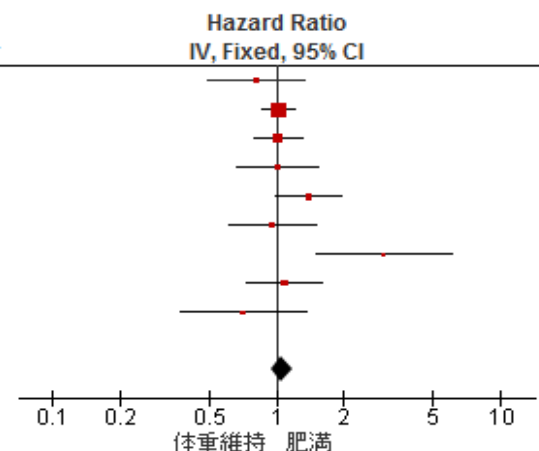
Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Fixed, 95% CI	Year
Ademuyiwa 2011	-0.2107	0.2564	4.6%	0.81 [0.49, 1.34]	2011
Dawood 2012	0.0198	0.0871	39.9%	1.02 [0.86, 1.21]	2012
Sparano E1199 2012	0.0198	0.124	19.7%	1.02 [0.80, 1.30]	2012
Moward 2013	0.01	0.2094	6.9%	1.01 [0.67, 1.52]	2013
Turkoz 2013	0.3365	0.1717	10.3%	1.40 [1.00, 1.96]	2013
Tait 2014	-0.0408	0.2314	5.7%	0.96 [0.61, 1.51]	2014
Widschwender 2015	1.1053	0.357	2.4%	3.02 [1.50, 6.08]	2015
Kawai 2016	0.0862	0.1976	7.8%	1.09 [0.74, 1.61]	2016
Abubaker 2018	-0.3425	0.3325	2.7%	0.71 [0.37, 1.36]	2018

Total (95% CI)

100.0% 1.06 [0.95, 1.18]

Heterogeneity: $\text{Chi}^2 = 14.33$, $\text{df} = 8$ ($P = 0.07$); $I^2 = 44\%$

Test for overall effect: $Z = 1.07$ ($P = 0.29$)



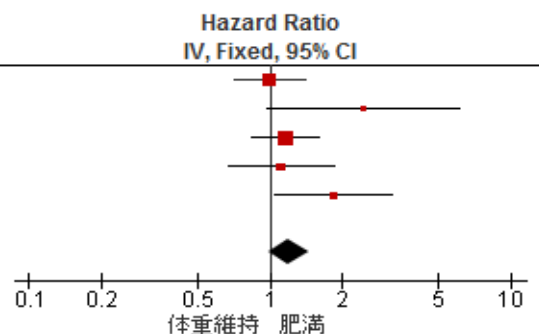
Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Fixed, 95% CI	Year
Sparano E1199 2012	0	0.1747	32.2%	1.00 [0.71, 1.41]	2012
Sun 2015	0.892	0.4707	4.4%	2.44 [0.97, 6.14]	2015
Jeon 2015	0.1484	0.1647	36.3%	1.16 [0.84, 1.60]	2015
Kawai 2016	0.1044	0.2576	14.8%	1.11 [0.67, 1.84]	2016
Bao 2016	0.6043	0.2834	12.2%	1.83 [1.05, 3.19]	2016

Total (95% CI)

100.0% 1.20 [0.99, 1.46]

Heterogeneity: $\text{Chi}^2 = 5.71$, $\text{df} = 4$ ($P = 0.22$); $I^2 = 30\%$

Test for overall effect: $Z = 1.84$ ($P = 0.07$)



Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV, Random, 95% CI	Year
Ademuyiwa 2011	-0.0619	0.2828	7.8%	0.94 [0.54, 1.64]	2011
Dawood 2012	-0.0305	0.092	14.9%	0.97 [0.81, 1.16]	2012
Sparano E1199 2012	0.1044	0.1362	13.2%	1.11 [0.85, 1.45]	2012
Turkoz 2013	0.5306	0.2221	9.8%	1.70 [1.10, 2.63]	2013
Moward 2013	0.3075	0.2902	7.6%	1.36 [0.77, 2.40]	2013
Tait 2014	-0.1393	0.2433	9.1%	0.87 [0.54, 1.40]	2014
Widschwender 2015	1.3481	0.4201	4.8%	3.85 [1.69, 8.77]	2015
Jeon 2015	0.1655	0.2047	10.5%	1.18 [0.79, 1.76]	2015
Sun 2015	1.0043	0.3865	5.4%	2.73 [1.28, 5.82]	2015
Bao 2016	0.5822	0.2673	8.3%	1.79 [1.06, 3.02]	2016
Abubaker 2018	-0.2231	0.2606	8.5%	0.80 [0.48, 1.33]	2018

Total (95% CI)

100.0% 1.26 [1.02, 1.56]

Heterogeneity: $\text{Tau}^2 = 0.07$; $\text{Chi}^2 = 26.63$, $\text{df} = 10$ ($P = 0.003$); $I^2 = 62\%$

Test for overall effect: $Z = 2.14$ ($P = 0.03$)

