

I) Association between FISH (+/- defined by ratio ≥ 2 or < 2) and covariates

N	NMISS	_PCHI_	DF_PCHI	P_PCHI	var
338	0	0.349773	1	0.554242	Sex
338	0	0.000354	1	0.984996	age
338	0	7.666423	3	0.053433	race
338	0	0.217992	2	0.896734	Histology
338	0	3.400994	1	0.065157	Lesion Status
338	0	1.049053	1	0.305725	Biopsy
338	0	0.003342	1	0.953899	Curative_Surger
338	0	10.0916	2	0.00644	Diagnosis
322	16	0.459453	2	0.794751	Stage
254	84	2.510547	2	0.284998	HER2

There is a significant association observed between FISH status and Diagnosis (primary tumor anatomical location), where **esophageal primary** patients had relatively high FISH positive rate (16%) compared to that of gastric patients (3.69%).

DIAG(Diagnosis)	Fish ratio		
Frequency			
Percent			
Row Pct			
Col Pct	<2	>2	Total
gastric	287	11	298
	84.91	3.25	88.17
	96.31	3.69	
	89.13	68.75	
esophageal	26	5	31
	7.69	11.48	9.17
	83.87	16.13	
	8.07	31.25	
EGJ	9	0	9
	2.66	0.00	2.66
	100.00	0.00	
	2.80	0.00	
Total	322	16	338
	95.27	4.73	100.00

II) Association between MET SRM (+/- defined by SRM \geq 400 or $<$ 400) and covariates

N	NMISS	_PCHI_	DF_PCHI	P_PCHI	var
281	0	0.483281	1	0.48694	Sex
281	0	0.240474	1	0.623864	age
281	0	2.997612	3	0.391994	race
281	0	4.178105	2	0.123804	Histology
281	0	0.663548	1	0.41531	LesionStatus
281	0	0.781259	1	0.376756	Biopsy
281	0	0.009618	1	0.921877	Curative_Surger
281	0	3.644522	2	0.16166	Diagnosis
267	14	6.239064	2	0.04418	Stage
281	0	5.475628	2	0.064712	HER2

There is significant association observed between MET SRM status and disease stage, where stage III and stage IV patients had relatively high MET SRM positive rate compared to that of stage I and II patients. Note 2 SRM positive patients had disease stage unknown and were excluded from the table. HER2-SRM and MET-SRM were trending to being associated ($p=0.065$).

Table of stgflag by metaflag				
Stage	MET SRM			
Frequency				
Percent				
Row Pct				
Col Pct		<400	>400	Total
I and II		131	5	136
		49.06	1.87	50.94
		96.32	3.68	
		53.04	25.00	
III		103	14	117
		38.58	5.24	43.82
		88.03	11.97	
		41.70	70.00	
IV		13	1	14
		4.87	0.37	5.24
		92.86	7.14	
		5.26	5.00	
Total		247	20	267
		92.51	7.49	100.00
Frequency Missing = 14				