











Globally... ...world per capita apparent fish consumption increased from 1960s to 2014 and 2015. ...China remained the major producer of fish and fish products followed by Indonesia, the United States of America and the Russian Federation - FAO-SOFIA, 2016 FOOD AND NUTRITION RESEARCH INSTITUTE Department of Science and Technology













Energy and nutrient content [*] of commonly consumed fishes ¹											
Name	Energy (kcal)	Protein (g)	Iron (g)	Calcium (g)	Vit A (mcg RE)	Vit C (g)	Thiamin (mg)	Riboflavin (g)	Niacin (mg)	Fat (g)	Carbohy- drates (g)
Galunggong	100	20.4	1.2	61	61.7	0	0.14	0.18	7.8	2.1	0
Bangus	136	19.8	1.2	44	136.7	0	0.02	0.1	7.8	6.4	0
Tilapia	107	18.1	0.8	74	65.8	0	0.06	0.2	4.6	3.8	0
Tulingan	119	24.0	1.2	41	90.8	0	0.26	0.24	14.7	2.6	0
Tamban	121	19.5	1.6	(121)	30.8	0	0.01	0.17	8	4.7	0.1
* Based on 1997 1 2015 Updating 9	Philippine Fo Survey, FNRI	ood Composi I-DOST	tion Table								



	Type of Fish Method of Co Weight Per S Estimated Co	oking erving: st Per Serving:	Galunggoi Boiled 17.8 g 35.00 Php	ıg
	Energy and N	utrient Content	of Galunggon	g Escabeche:
an illa	Energy:	22 kcal		
the Jacob -	Carbohydrates:	0.0 g	Vitamin A:	13.5 mcg RE
and the second second	Protein:	4.5 g	Vitamin C:	0.0 mg
	Fate:	0.5 a	Thiamin:	0.03 mg
Contraction of the second	Tuus.		-	
	Iron:	0.3 mg	Riboflavin:	0.04 mg

	Type of Fish Method of Co Weight Per Se Estimated Co	oking erving: st Per Serving:	Bangus Boiled 40.8 g 50.00 Php			
	Energy and Nutrient Content of Sinigang na Bangus:					
1	Energy:	70 kcal				
and the second s	Carbohydrates:	0.0 g	Vitamin A:	70.8 mcg RE		
	Protein:	10.3 g	Vitamin C:	0.0 mg		
	Fats:	3.3 g	Thiamin:	0.01 mg		
	Iron:	0.6 mg	Riboflavin:	0.05 mg		
	Calcium:	22.80 a	Niacin:	4.0 mg		



BENEFITS

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Fish is a low-fat, high quality protein
Fish is a good source of high quality protein that is not high in saturated fat (USDA 2010; AHA, 2012).

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BENEFITS

- ✓ Contains good source of Omega-3 fatty acids
 - may lower risk of heart attacks and strokes
 - reduces risk of some types of cancers
 - reduces risk of type 1 diabetes in children, and form of autoimmune diabetes in adults
 - essential for growth and development.





BENEFITS

- Contains a wide variety of vitamins such as D and B2 (riboflavin).
- Rich in calcium and phosphorus and a great source of minerals, such as iron, zinc, iodine, magnesium, and potassium.











Protein allergens present in fish and shellfish may cause allergic reactions like **hives**, **swelling**, **and/or gut reactions (vomiting, diarrhea)**. Most dangerous symptoms are **difficulty in breathing or collapse**.





Scombroid food poisoning
foodborne illness that results from eating spoiled (decayed) fish.





HISTORICAL BACKGROUND									
	SURVEY PERIOD								
SURVEY COMPONENTS	1978	1982	1987	1993	1998	2003	2008	2013	2015
Anthropometry	1	*	1	*	*	*	*	*	*
Biochemical	1	*	1	*	*	*	*	*	
Clinical & MDG Outcomes	1	1	1	*	HDL Study	NHHeS	NHHeS	1	BP & MDG
Dietary: Household Individual	-	-			-	-	**	1	-
Socio-Economic	1	1	1	4	4	*	1	4	*
Food Insecurity	-	-	-	•	*	*	*	*	1
Government Program Participation	-	-	-	1	4	1	1	*	1
Government Program Participation	-	-	-	-	1	*	*	*	
Infant and Young Child Feeding	-	-	4	1	4	1	*	1	1
Maternal Health and Nutritional Status	-	-	-	-	-	-	-	1	1























Mean one-day per capita intake of Fish and Fish products

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Trend in mean one-day intake* of fish and fish products: 1978-2015									
	140 120 100	102	113	111	99	104	110	109	101
su	80 -						1		
gran	60 -								
	40 -		5.54						
	20 -								
	0 +	1978	1982	1987	1993	2003	2008	2013	2015
					Surv	ey year		*in grams, r	aw as purchased fo
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Commonly consumed fish and fish products and percent (%) of households consuming: Philippines, 2015							
Fish and Fish products	Frequency	% of Households Consuming					
FRESH FISH							
Galunggong	0.1	10.3					
Bangus	0.1	9.3					
Tilapia	0.1	8.7					
Tulingan	0.1	7.8					
Tamban	0.1	4.3					
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Commonly consumed fish and fish products and percent (%) of households consuming: Philippines, 2015.							
Fish and Fish products	Frequency	% of Households Consuming					
DRIED FISH							
Tamban, tuyo	0.1	8.7					
Galunggong, daing	0.03	3.0					
Dilis, tuyo	0.02	2.2					
Sapsap, tuyo	0.01	0.9					
Tamban, daing	0.01	0.9					
	FOOD AND NUTR Department o	TION RESEARCH INSTITUTE f Science and Technology					

Commonly consumed fish and fish products and percent (%) of households consuming: Philippines, 2015.								
Fish and Fish products	Frequency	% of Households Consuming						
PROCESSED FISH								
Sardines in tomato sauce, cnd	0.1	11.2						
Bagoong isda, ginamos	0.1	6.4						
Patis	0.1	5.3						
Shrimp paste (Alamang)	0.02	2.2						
Galunggong, smoked	0.02	2.1						
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Commonly consumed fish and fish products and percent (%) of households consuming: Philippines, 2015								
Fish and Fish products	Frequency	% of Households Consuming						
CRUSTACEANS and MOLLUSK								
Pusit	0.02	1.8						
Shrimp, banana prawn (puti)	0.01	1.4						
Shrimp greasy back, suwahe	0.01	1.2						
Shrimp small marine dried (hibe)	0.01	0.9						
Shrimp sergestid, alamang	0.01	0.7						
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Fish is a part of the typical diet of every Filipino. The highest fish and fish products consumption were recorded in MIMAROPA and Eastern Visayas region.







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