



**15TH NATIONAL
CONVENTION
ON STATISTICS**

03-05 OCTOBER 2022

*Organized by the Philippine Statistical System
Spearheaded by the Philippine Statistics Authority*



THE PHILIPPINE GOVERNMENT PERFORMANCE IN THE PAST FIVE YEARS THROUGH THE STATISTICAL INDICATORS ON PHILIPPINE DEVELOPMENT

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Philippine Statistics Authority

StatDev Session
Crowne Plaza Manila Galleria
04 October 2022, 10:30AM to 12NN

The Philippine Government Performance in the Past Five Years through the Statistical Indicators on Philippine Development



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OUTLINE OF PRESENTATION

- I. Background
- II. StatDev Process Flow
- III. Methodology
 - a. Identification and Assessment of Indicators
 - b. Data Collection
 - c. Computation of Likelihoods
- IV. Results of StatDev 2017 - 2022
- V. Sectoral Performance from 2017-2021 StatDev
- VI. StatDev Infographics and Press Releases
- VII. Challenges
- VIII. Ways Forward

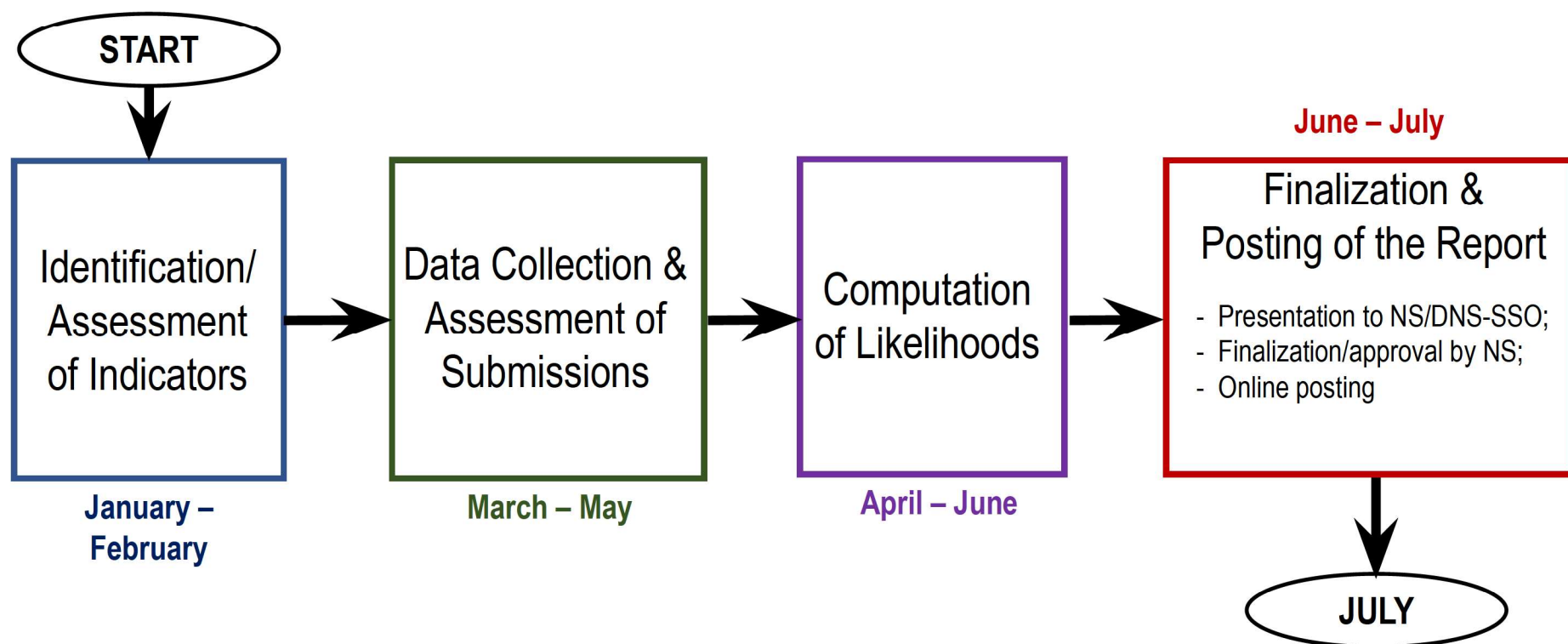
I. Background

- In 2005, the former National Statistical Coordination Board, now part of the Philippine Statistics Authority (PSA), initiated the preparation of Statistical Indicators on Philippine Development or StatDev as part of its commitment “to promote the orderly development of a statistical system capable of providing timely, accurate and useful data for the government and the public”.
- Formerly known as the Economic and Social Indicators (ESI), the StatDev is presented in a more easy-to-read and compact tracking of Philippine development.

I. Background

- The StatDev is an instrument formulated and maintained to track the pace of progress in terms of the likelihood of achieving the end-of-plan target of the economic and social development goals set forth in the Philippine Development Plan (PDP). Hence, the StatDev intends to serve as an input in the State of the Nation Address (SONA) of the President; Its framework is necessarily congruent with the current PDP and is revised each time a new plan is formulated.

II. StatDev Process Flow



III. Methodology

a. Identification and Assessment of Indicators

- The StatDev requires two major information:
 - Indicators == > from the PDP-RM Chapters
 - Data sets == > from two major sources:
 - Baseline and target from the PDP-RM
 - Latest data/Updated data/accomplishments from agency sources
- Grouping of PDP-RM Indicators
 - Group 1 (G1) – with both baseline data and end-of-Plan target
 - Group 2 (G2) – with either baseline data or end-of-Plan target
 - Group 3 (G3) – without baseline data and end-of Plan target

III. Methodology

a. Identification and Assessment of Indicators

Reference

- **For StatDev 2017:** PDP 2017 – 2022 Results Matrices published *09 October 2017*
- **For StatDev 2018 – 2019:** Updated PDP 2017 – 2022 Results Matrices published *14 January 2019*
- **For StatDev 2020:** Updated PDP 2017 – 2022 Results Matrices published *14 January 2019* and the Pre-Publication of the Updated PDP published *February 2021*
- **For StatDev 2021:** The Enhanced PDP 2017-2022 Results Matrices Midterm Update published *14 March 2022*

III. Methodology

a. Identification and Assessment of Indicators

The Enhanced PDP 2017-2022 Results Matrices Midterm Update

The enhancement of the PDP-RM Midterm Update includes the following:

- 1) adjustment of PDP-RM chapter targets;
- 2) addition of new indicators to better measure outputs and outcomes within the new normal scenario;
- 3) replacement of indicators; and
- 4) reporting of cross-cutting indicators, particularly outcome indicators with multiple sectoral contribution.

III. Methodology

a. Identification and Assessment of Indicators

The Enhanced PDP 2017-2022 Results Matrices Midterm Update

Whenever applicable and feasible, adjusted indicators also include data on:

- i. regional breakdown and targets for selected core indicators and
- ii. sex-disaggregated baseline data and annual targets.



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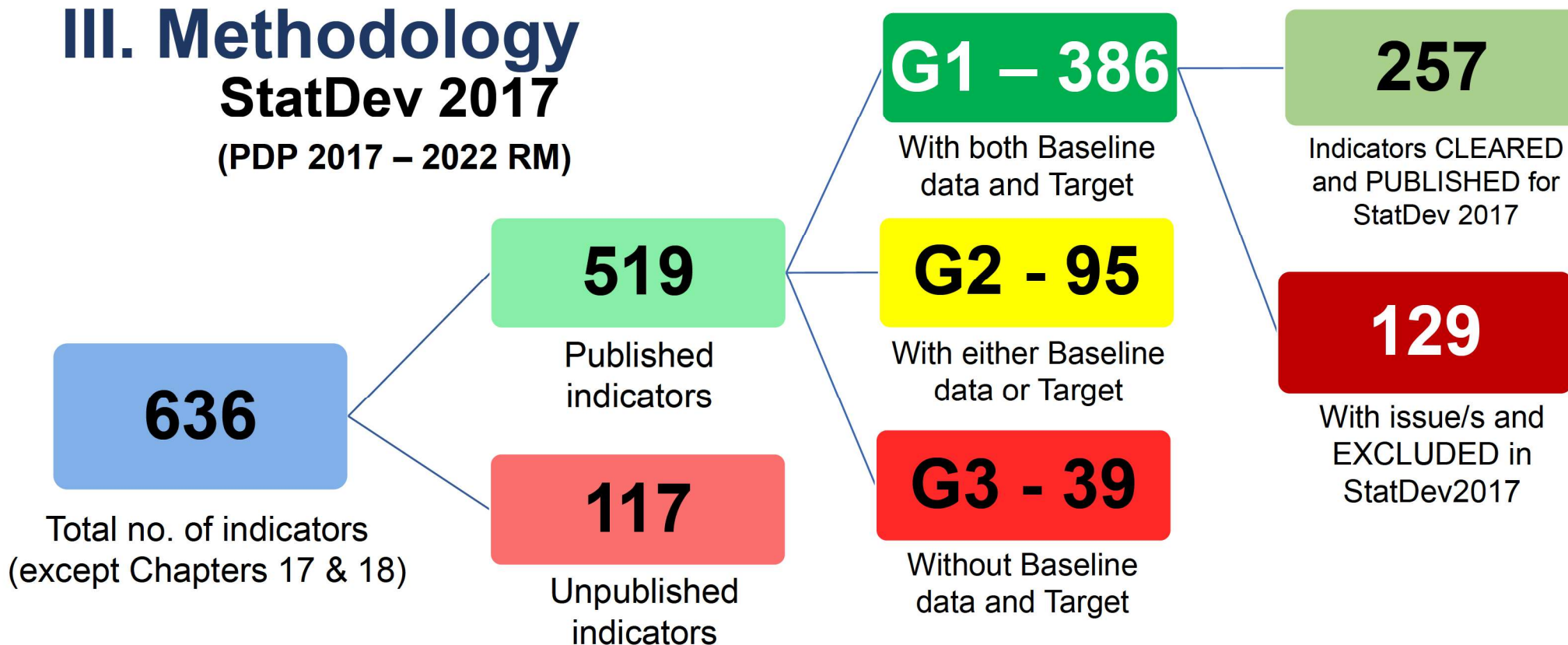
III. Methodology

b. Data Collection

Focused on:

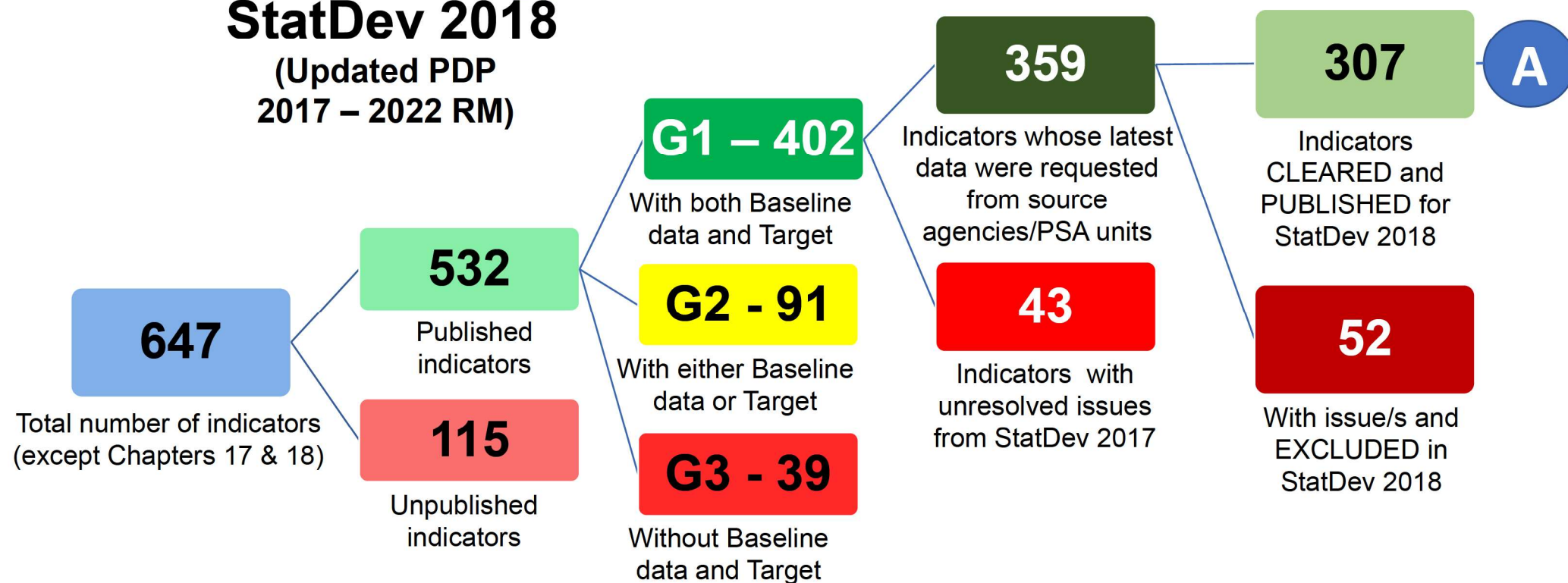
- G1 indicators without issues
 - Letter request directly from data source agencies (reporting agencies in the PDP-RM)
 - Obtained from the agency websites and publications (e.g., [World Economic Forum](#), [Annual Reports](#), [Socioeconomic Report of NEDA](#))
- **For StatDev 2021:** Indicators excluded from the previous StatDev editions whose issues were addressed in the enhanced PDP-RM

III. Methodology StatDev 2017 (PDP 2017 – 2022 RM)



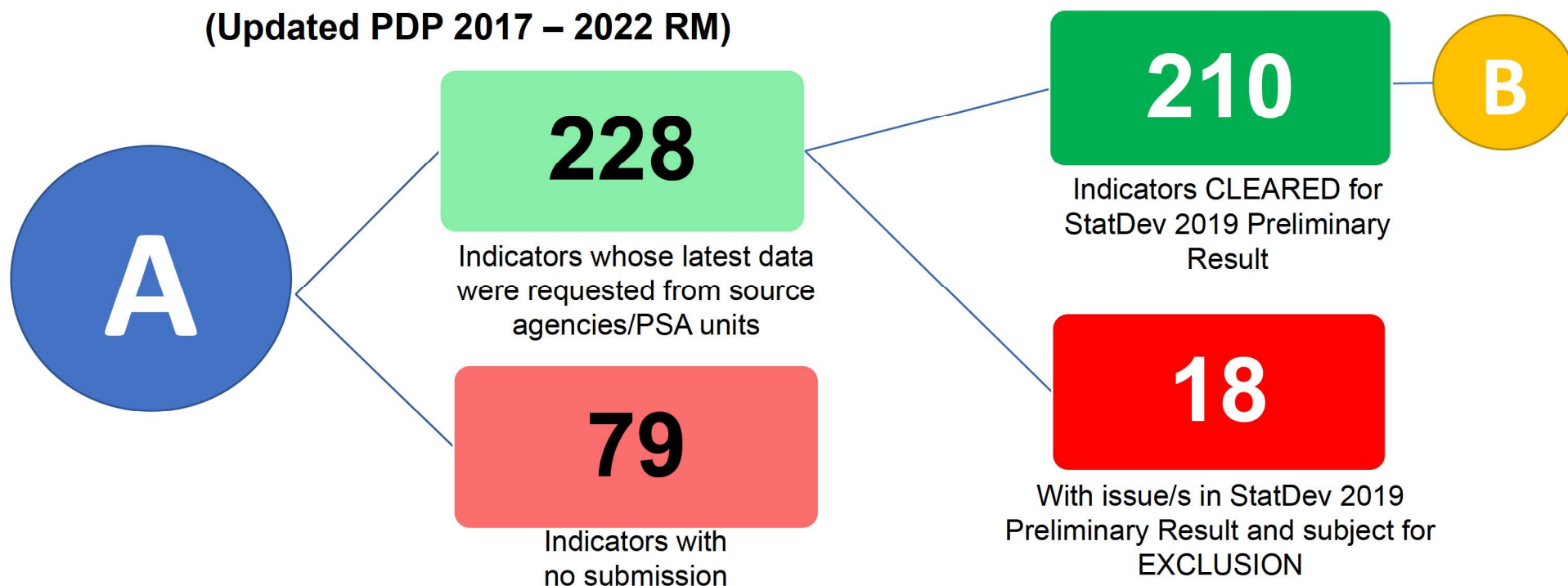
III. Methodology StatDev 2018

(Updated PDP
2017 – 2022 RM)



III. Methodology StatDev 2019

(Updated PDP 2017 – 2022 RM)



III. Methodology

StatDev 2020

(Updated PDP 2017-2022 RM)

Indicators CLEARED
and PUBLISHED for
StatDev 2019
Preliminary Result

B

Indicators with
No Submission
in the StatDev 2019
Preliminary Result

65

Indicators from the
Pre-publication of
the Updated PDP

35

310

Indicators whose latest data
were requested from source
agencies/PSA units

300

Indicators CLEARED
and PUBLISHED for
StatDev 2020

10

With issue/s and
EXCLUDED in
StatDev 2020



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III. Methodology StatDev 2021

(Enhanced PDP
2017-2022 RM
Midterm Update)

1,665

Total number of indicators
(except Chapters 17 & 18)

1,620

Published
indicators

45

Unpublished
indicators

839

National
Disaggregation

C

781

Regional
Disaggregation



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III. Methodology StatDev 2021

(Enhanced PDP
2017-2022 RM
Midterm Update)



National
Disaggregation

G1 – 664*

With both Baseline data and Target

G2 - 135

With either Baseline data or Target

G3 - 40

Without Baseline data and Target

471

Indicators CLEARED and
PUBLISHED for StatDev 2021

191

With issue/s and
EXCLUDED StatDev2021

* 655 are from Enhanced PDP 2017 – 2022
RM Midterm Update and 9 are Core
Indicators and Headline Targets



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III. Methodology

ARTA	DA-ACPC	DepEd	DOST	IC	NWRB	SEC
BLGF	DA-ATI	DFA	DOST-FNRI	IPOPHL	OMB	SSS
BSP	DA-BFAR	DHSUD	DOST-PCAARRD	LIPAD-CIAC	OWWA	TESDA
CAAP	DA-BSWM	DICT	DOT	LTFRB	OWWA-NRCO	PSA
CCC	DAP	DILG	DOTr	LWUA	Pag-IBIG	
CDA	DA-PCIC	DILG-BJMP	DPWH	MCIAA	PCA	
CESB	DA-PhilFIDA	DOE	DSWD	MIAA	PCC	
CEZA	DA-PhilMech	DOE-EUMB	DSWD Pantawid Pamilya National Program Management Office	MMDA	PCEPSDI	
CHED	DAR	DOF	DSWD-DRMB	NAMRIA	PCOO	
COA	DBM	DOF-BTr	DSWD-PMB	NCCA	PhilGuarantee	
COMELEC	DENR-BMB	DOH	DTI	NCIP	PhilHealth	
CPA	DENR-EMB	DOJ	EDC	NDRRMC	PPA	
CSC	DENR-FMB	DOJ-BuCor	GPPB-TSO	NEDA	PRC	
CSI	DENR-LMB	DOLE	GSIS	NIA	SBMA	
DA	DENR-MGB	DOLE-BLE	IACAT	NLP	SC	



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Annex 1 from 2017 - 2021

Annex 1_Data File

2017 Statistical Indicators on Philippine Development (StatDev)

AGENCY:
CHAPTER:
SOCIETAL GOAL:
INTERMEDIATE GOAL:

OBJECTIVE/RESULTS	STATISTICAL INDICATOR	BASELINE		ACTUAL DATA	REMARKS
		Year	Data	2017	

Annex 1_Data File

2018 Statistical Indicators on Philippine Development (StatDev)

AGENCY:
CHAPTER:
SOCIETAL GOAL:
INTERMEDIATE GOAL:

OBJECTIVE/RESULTS	STATISTICAL INDICATOR	BASELINE		ACTUAL DATA		REMARKS
		Year	Data	2017	2018	

Note: Please provide the data for the shaded cells, review the figures previously provided for the other cells, and indicate corrections and corresponding remarks, if any.

Prepared by:
Name: _____
Position/Designation: _____
Bureau/Office/Division: _____
Telephone number(s): _____
Fax number(s): _____
E-mail address(es): _____
Website: _____

Date prepared: _____

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2019 Statistical Indicators on Philippine Development (StatDev)

AGENCY:
CHAPTER:
SOCIETAL GOAL:
INTERMEDIATE GOAL:

OBJECTIVE/RESULTS	STATISTICAL INDICATOR	BASELINE		ACTUAL DATA			REMARKS
		Year	Data	2017	2018	2019	

2020 Statistical Indicators on Philippine Development (StatDev)

AGENCY:
CHAPTER:
SOCIETAL GOAL:
INTERMEDIATE GOAL:

OBJECTIVE/RESULTS	STATISTICAL INDICATOR	BASELINE		ACTUAL DATA				REMARKS
		Year	Data	2017	2018	2019	2020	

2021 Statistical Indicators on Philippine Development (StatDev)

AGENCY:
CHAPTER:
SOCIETAL GOAL:
INTERMEDIATE GOAL:

OBJECTIVE/RESULTS	STATISTICAL INDICATOR	BASELINE		ACTUAL DATA					REMARKS
		Year	Data	2017	2018	2019	2020	2021	

Note: Please provide the data for the shaded cells, review the figures previously provided for the other cells, and indicate corrections and corresponding remarks, if any.

Prepared by:
Name: _____
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Annex 2 from 2017 - 2021

Annex2 Metadata File									
NAME OF AGENCY OFFICE/DEPARTMENT: DIVISION/UNIT IN CHARGE OF COMPILING/GENERATING DATA:						FOCAL PERSON: POSITION/DESIGNATION: TELEPHONE/FAX NUMBER(S): E-MAIL ADDRESS(ES):			
DATA/STATISTICS BEING GENERATED	DEFINITION	FORMULA	POLICY USE/RELEVANCE	PERIODICITY OF THE DATA	DATA DISAGGREGATION	SCHEDULE OF DATA RELEASE/TIME LAG	MODE OF DISSEMINATION	AVAILABLE DATA SERIES/ LATEST DATA AVAILABLE	SOURCE (Admin-based/Survey/Census)
produced by the agency as by-product of their administrative and/or regulatory functions	refers to the major description or meaning of the concept or statistical indicator. This should be an operational definition rather than a conceptual definition.	shows how the term or indicator can be measured and should indicate the major components of the statistical term or indicator being defined. This is required in defining an indicator, but is not applicable when defining a concept.	<ul style="list-style-type: none"> - for performance monitoring and evaluation - for internal management and policy making - for planning and program development - for reporting to oversight agencies and other requesting institutions - others, specify 	<ul style="list-style-type: none"> - decennial (every ten years) - annual - semi-annual - quarterly - monthly - one-shot statistical activity - others, specify 	by geographic area: <ul style="list-style-type: none"> - national - regional - provincial - city/municipality - barangay by sex: <ul style="list-style-type: none"> - male - female by sectoral grouping: <ul style="list-style-type: none"> - women/children/elderly/ persons with disabilities (PWDs)/indigenous peoples (IPs) others (specify)	<ul style="list-style-type: none"> - 15 days after the reference period - one quarter after the reference period - one year after the reference period 	<ul style="list-style-type: none"> - agency website - printed publication - CD-ROM - others, specify 	specify available data series, e.g., 2011-2016/ latest data available, e.g.,	title of administrative form where data was sourced/ title of statistical survey/census and year conducted

III. Methodology

c. Computation of Likelihoods

- Considerations prior to computation
 - Availability of required data
 - Consistency (data vis-à-vis indicator name, means of verification, etc.)
 - Clarity of concept
 - Timeliness of submission
- Adopts the UNSIAP methodology, the tracking method used for monitoring the Millennium Development Goals^{1/}

^{1/} SDC Resolution No. 1, s. 2009: *Adopting the UNSIAP Methodology in Tracking MDG Progress*, 27 May 2009

III. Methodology

c. Computation of Likelihoods – DEFAULT formula

$$\text{Pace of Progress} = \frac{\text{actual annual growth rate}}{\text{required annual growth rate}}$$

where:




$$\text{Actual annual growth rate} = \frac{(\text{latest data}/\text{baseline data})-1}{\text{target year} - \text{year of latest data}}$$

$$\text{Required annual growth rate} = \frac{(\text{target}/\text{baseline data})-1}{\text{target year} - \text{baseline year}}$$

III. Methodology

c. Computation of Likelihoods

The computed probabilities are then used as basis for rating the likelihood of achieving End-of-Plan Target based on the following ranges:

Likelihood	Range	Icon
HIGH	More than 0.9	
MEDIUM	0.5 to 0.9	
LOW	Less than 0.5	

III. Methodology

c. Computation of Likelihoods

Case 1: ANNUAL DATA

Ex: Number of innovation hubs increased (e.g. TBIs, innovation centers, niche centers, etc.) (cumulative)

RM Data:

Baseline		Annual Plan Targets						Plan Target
Year	Data	2017	2018	2019	2020	2021	2022	
2016	23	33	43	53	63	73	83	83

Decision: Use this **DEFAULT** formula



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III. Methodology

c. Computation of Likelihoods

Illustration:

Baseline		Latest Data	Plan Target
Year	Data	2018	2022
2016	23	45	83

Process:

$$\frac{\frac{((30/23) - 1)}{(2018 - 2016)}}{\frac{((83/23) - 1)}{(2022 - 2016)}} = \frac{0.47826}{0.43478} = 1.1 \text{ HIGH} \Rightarrow \text{😊}$$



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III. Methodology

c. Computation of Likelihoods

Case 2: CUMMULATIVE ANNUAL DATA

Ex: *Number of regulatory agencies covered by the regulatory review increased*

RM Data:

Baseline		Annual Plan Targets						Plan
Year	Data	2017	2018	2019	2020	2021	2022	Target
2016	47	22	25	25	16	25	25	138

Decision: Use this revised formula:

$$\text{Actual annual growth rate} = \frac{((\text{baseline data} + \Sigma(\text{latest data}) / \text{baseline data}) - 1)}{\text{year of latest data} - \text{baseline data}}$$

$$\text{Required annual growth rate} = \frac{((\text{baseline data} + \text{target} / \text{baseline data}) - 1)}{\text{target year} - \text{baseline year}}$$



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III. Methodology

c. Computation of Likelihoods

Illustration:

Baseline		Latest Data		Plan Target
Year	Data	2017	2018	2022
2016	47	25	25	138

Process:

$$\frac{\frac{(47 + 25 + 25)/47 - 1}{(2018 - 2016)}}{\frac{(((47 + 138)/47) - 1)}{(2022 - 2016)}} = \frac{0.531915}{0.489362} = \mathbf{1.09 \text{ HIGH}} \Rightarrow \frac{(((47 + 138)/47) - 1)}{(2022 - 2016)}$$

III. Methodology

c. Computation of Likelihoods

Case 3 – SUSTAINED ANNUAL TARGETS

Ex: *All requests for free legal assistance/representation acted upon within three (3) working days from date of request **maintained** (%)*

RM Data:

Baseline		Annual Plan Targets						Plan Target
Year	Data	2017	2018	2019	2020	2021	2022	
2016	100	100	100	100	100	100	100	100

Decision: **LOW** if latest data < baseline; **HIGH** otherwise. (for + indicators)
LOW if latest data > baseline; **HIGH** otherwise. (for - indicators)

III. Methodology

c. Computation of Likelihoods

Case 4 – RANGED ANNUAL TARGETS

Ex: Manufacturing GVA per capita **increased** (PHP)

RM Data:

Baseline		Annual Plan Targets						Plan Target
Year	Data	2017	2018	2019	2020	2021	2022	
2016	809	1,169-1,305	1,454-1,611	1,528-1,710	1,695-1,905	1,781-2,021	2,036-2,314	2,036-2,314

Decision: Decision: Using the **DEFAULT** formula, use the **AVERAGE** of the “Plan Target”



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III. Methodology

c. Computation of Likelihoods

Illustration:

Baseline		Latest Data	Plan Target
Year	Data	2018	2022
2016	809	639	2,036-2,314

Process:

$$\frac{\frac{((639/809) - 1)}{(2018 - 2016)}}{\frac{((\textcolor{red}{2175}/809) - 1)}{(2022 - 2018)}} = \frac{-0.10507}{0.42213} = \textbf{-0.24891} \Rightarrow \text{LOW}$$







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V. Sectoral/Overall Performance

Sectoral/Overall Performance	Icon	Interpretation
Good		The percentage of indicators included in StatDev 2017-2021 which posted low likelihood of achieving their respective end-of-plan targets is at most 33.3%.
Average		The percentage of indicators included in StatDev 2017-2021 which posted low likelihood of achieving their respective end-of-plan targets is more than 33.3% to at most 50.0%.
Poor		The percentage of indicators included in StatDev 2017-2021 which posted low likelihood of achieving their respective end-of-plan targets is more than 50.0%.



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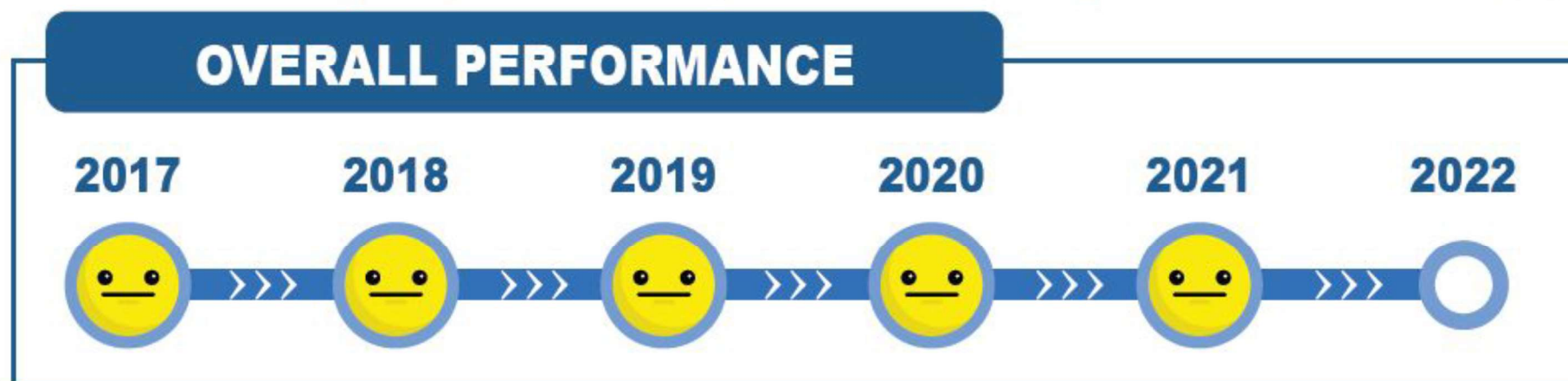
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















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V. Sectoral/Overall Performance

Overall Performance from 2017-2021 StatDev

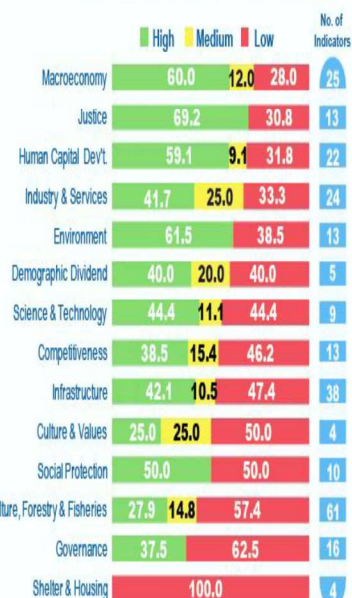


Chapter/Sector	Sectoral Performance			
	2017	2018	2020	2021
Governance				
Justice				
Culture and Values				
Agriculture, Forestry, and Fisheries				
Industry and Services				
Human Capital Development				
Social Protection				
Shelter and Housing				
Demographic Dividend				
Science and Technology				
Macroeconomy				
Competitiveness				
Infrastructure				
Environment				
OFW				

IV. Results of StatDev

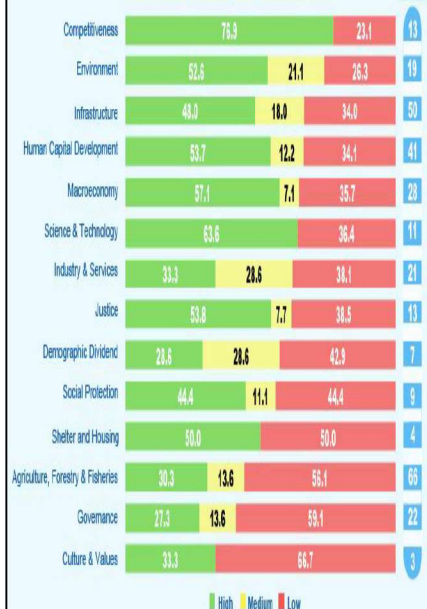
StatDev 2017

Distribution of Indicators according to Likelihood of Achieving the Target by Sector (%)



StatDev 2018

Distribution of Indicators according to Likelihood of Achieving the Target by Sector (%)

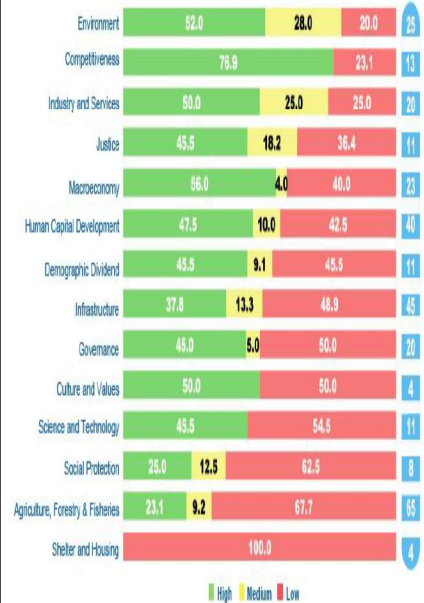


StatDev 2019



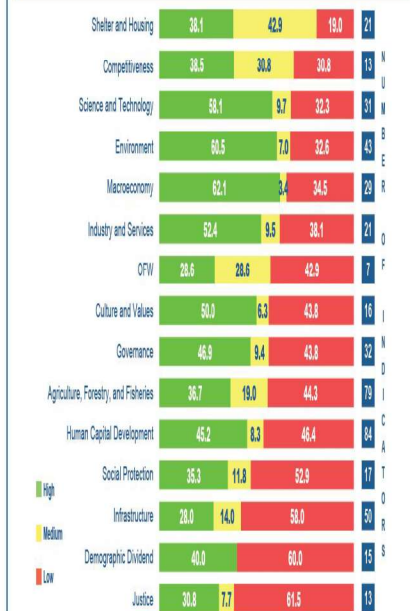
StatDev 2020

Distribution of Indicators according to Likelihood of Achieving the Target by Sector (%)

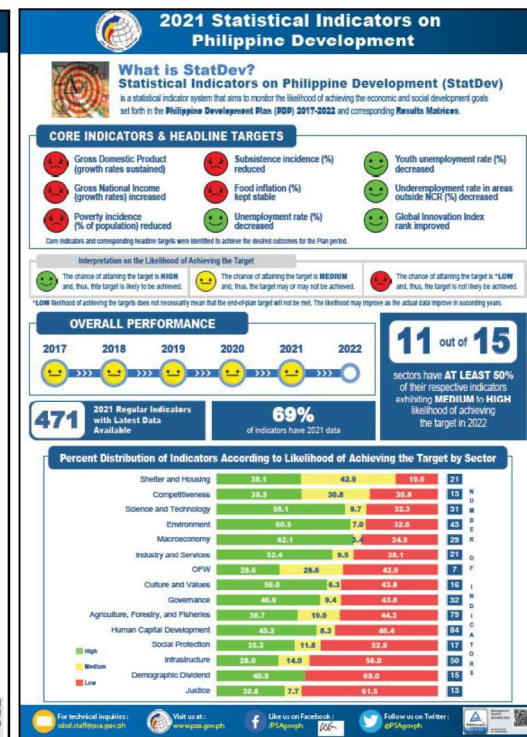
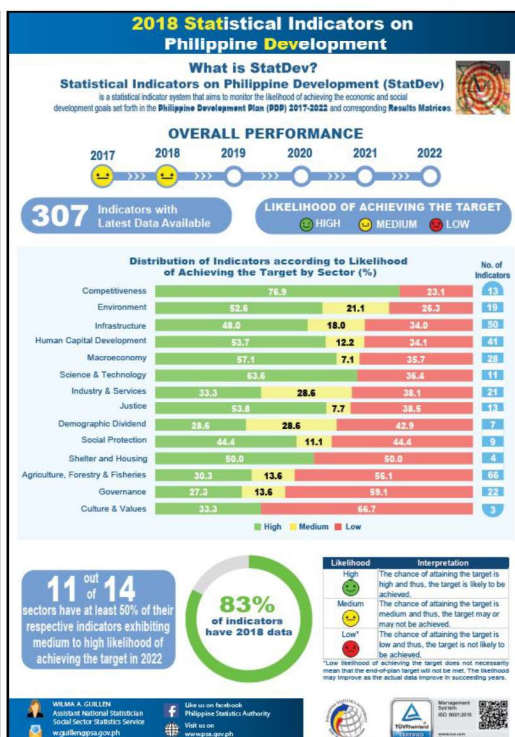
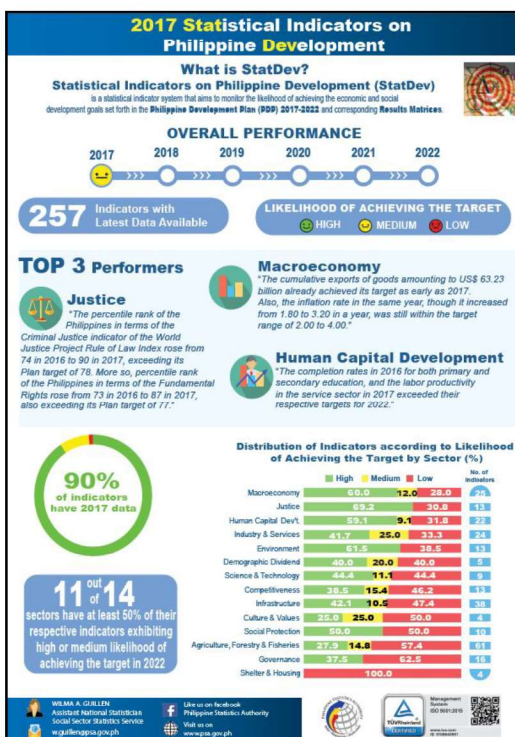


StatDev 2021

Percent Distribution of Indicators According to Likelihood of Achieving the Target by Sector



VI. StatDev Infographics and Press Releases





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VI. StatDev Infographics and Press Releases

The Philippine Government Performance in the Past Five Years through the Statistical Indicators on Philippine Development

VII. Challenges/Limitations

- Mapping, grouping, and identification of indicators;
- Delays in the submission of some data source agencies and change in the focal persons handling the data;
- Submitted data to PSA are different from the data in the PDP-RM;
- Details of some PDP-RM indicators (e.g. indicator name do not match with the data (*indicator name is **Proportion of violence against women cases reported in DSWD served** but the data is in **number***), unit of measure (*indicator name is **Cargo shipped via air increased (international and domestic) (MT, cumulative)** but the unit of measurement of the data is in **kilograms***), Means of Verification (*the means of verification of the indicator name **Youth placed in employment increased MT, cumulative** stated in the PDP-RM is on DOLE-BLE but the indicator is measured through the results of the Labor Force Survey (LFS) of the PSA), etc.);*
- Different number of indicators for each StatDev edition; and
- Equal weights of indicators.

VIII. Ways Forward

- Revisiting the computation of likelihoods/methodology;
- Online platform for data collection/agency submissions for easier tracking;
- Harmonization with other PSA units regarding data collection schedule, and
- Come up with strategies to increase appreciation on the use of StatDev.



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Thank you!



<http://www.psa.gov.ph>



<http://openstat.psa.gov.ph>



<https://twitter.com/PSAgovph>



<https://www.facebook.com/PhilippineStatisticsAuthority>